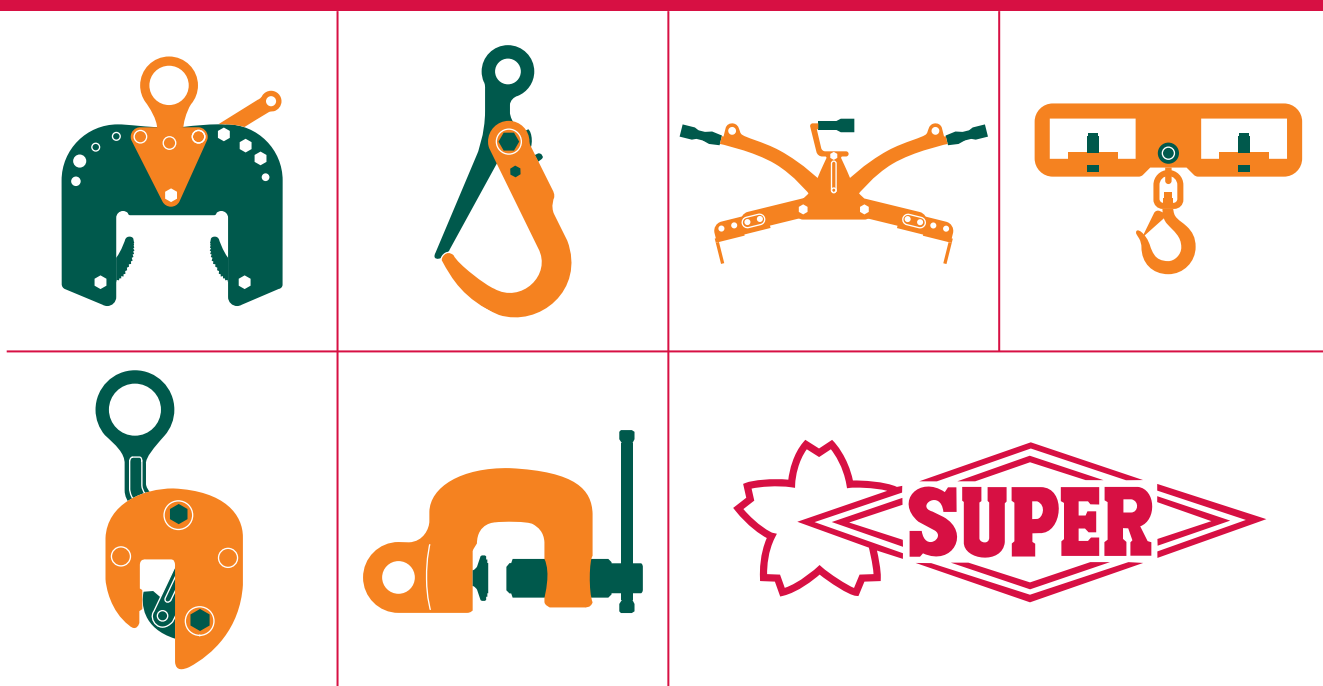
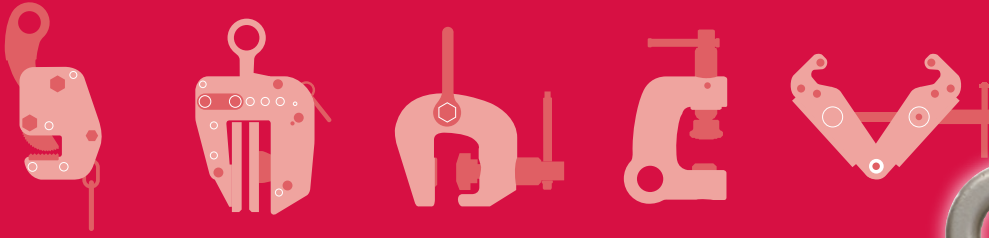




LIFTING CLAMPS CATALOGUE **vol.1**



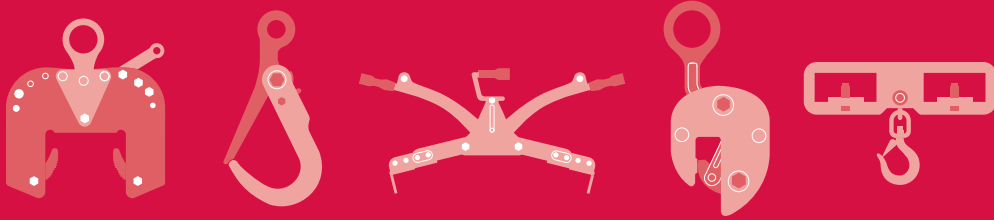
SUPER TOOL CO., LTD.



Over a Century
of History



Safety Fostered
by Our Experience



Super Tool has been producing a wide variety of safety products as a "development-oriented company" to support various industrial fields since the foundation in 1918.

We have steadily worked as a general-tools-manufacturing-company over 100 years, and have been obtaining the trust from many users in a century.

Especially, our lifting clamps are made by the traditional die-forging techniques and are very popular as high quality and durability products in various industrial fields such as steel manufacturing, shipbuilding, machinery, steel frames, bridges, construction, civil engineering, etc.

Furthermore, we have established a system that ensures safe use of our products through the strict internal tests in the manufacturing process and the periodic post-sale check-ups.

We will hear users' voices and try to solve any problems with providing our best quality products and services.

» The die-forging method to realize strong, safe and secure lifting clamps for steel

Die-forging is a method which consists of beating (hardening) the metal in order to mold it and yield a solid metal. It offers many advantages that cannot be realized by the other methods such as machining or can-manufacturing. *Except some products

Specific advantages of die-forging

■ Dense structure with no internal defect

In the die-forging manufacturing method, the metal is compressed in a mold to shape the products. By heating and beating the piece, the bubbles get pressure-bonded and this makes up the defects inside the metal. Thus, the metal crystal structure gets refined and improves the clamps' mechanical characteristics.

■ Metal flow for high resistance of products

With the die-forging method, the crystal structure gets refined and a formation called metal flow in accordance with the product shape is produced. This metal flow has lines looking like tree's growth rings, and these lines improve the metal toughness and shock resistance.



» Comparison of Metal Flow

Die-forging product



Strong, safe and secure due to metal flow which follows the shape

Machined product from steel



Metal flow is severed

Cast product



No metal flow

» Five specialties of masters

» Design



Show the pride as a development-oriented company.

Voice of Craftsmen

We manufacture all of our tools from design. We commit to conduct the testing throughout so that we can launch new products to the market with confidence.

» Mold



Produce product carefully with expert skills.

Voice of Craftsmen

We produce products exactly as designed. We carefully manufacture the products with the belief that any deviations of the mold are not tolerated.

» Die-forging



Craftsmanship in each of our products. Forge the iron tougher.

Voice of Craftsmen

Heated iron is repeatedly forged to produce a strong metal flow. We keep on adjusting the hammering method by the burnt color of each piece of steel and strive to produce products with high quality and beautiful appearance.

» Machining



Produce high precision products.

Voice of Craftsmen

This process is required high precision. We use in-house designed jigs to realize efficient and accurate processes. There are many different processing methods and characteristics. We are familiar with processing machinery so that we can judge which method should be applied appropriately and quickly.

» Quality Assurance



To realize perfect quality.

Voice of Craftsmen

We proceed the load test where a load 2 - 3 times heavier than the rated capacity by sampling and check the clamp range for assembly problems. We perform these tests by several staff members.



We provide high quality lifting clamps through the skills of first-class masters.

HISTORY of CLAMPS

1977

Released series of lifting clamp (vertical clamp, lateral clamp, lifting hook, etc.) for steel.

1979

Production of large special lifting clamps. Released electric coil lifter.

1988

Introduced new models to series of lifting clamp for concrete material.



1991

Released series of lifting clamp for house building.



1992

Released super lock hook.



2000

Released beam clamp.



2007

Released super foot lock and drum lift clamp (vertical lifting).



2008

Released screw cam clamp (universal shackle type) and safety belt clamp (aluminum alloy body).



2010

Added twist cam type to screw cam clamp series.



2012

Released super lock hook (equipped with open/close locking mechanism).



2013

Renewed series of lifting clamp for concrete material.



2022

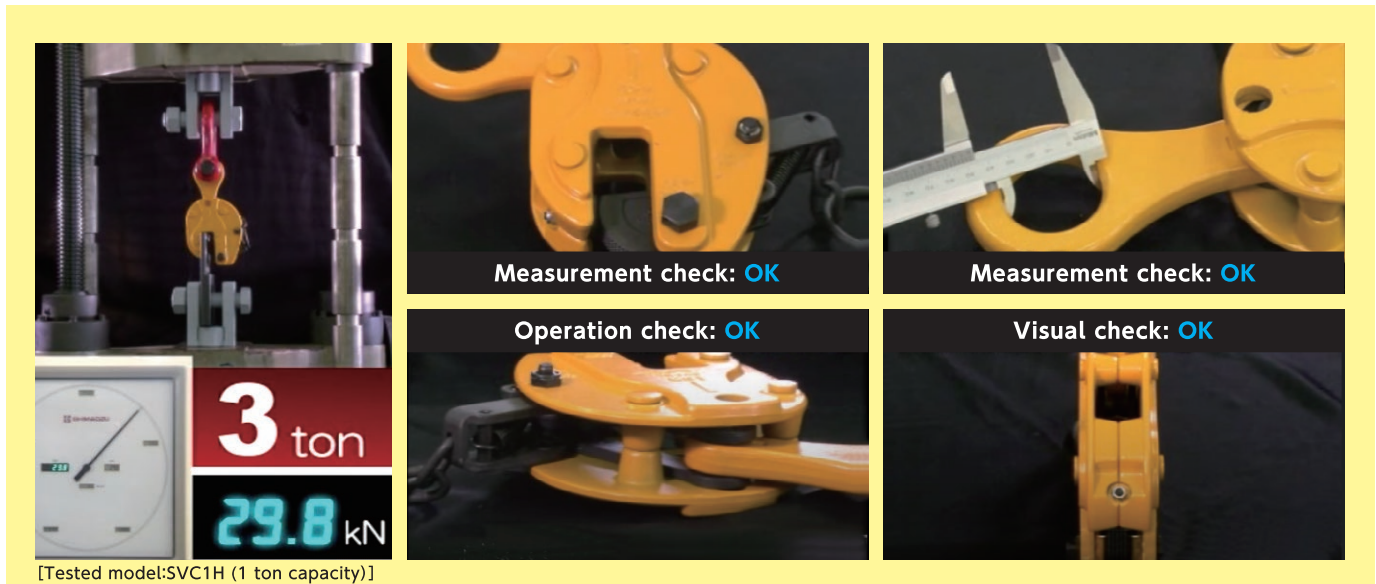
Released screw cam clamp (twist cam with universal shackle type).



» High functionality and high quality maintained by a quality control management

To materialize functional characteristics focusing on safety, appropriate heat treatment is operated to appropriate materials and high toughness is maintained.

Internal tests are proceeded where a load 2-3 times heavier than the rated capacity is applied to the super clamps.



» Maintenance and Inspection

1.Maintenance

Daily maintenance is important for efficient and safe operation even under the severe use condition and for such purposes, please comply with the followings.

- (1) Designate the use standards and control.
- (2) Keep clamps indoor and do not leave them outdoor.
- (3) Check the followings to maintain in a good condition.
 - (a) Operating condition.
 - (b) Any abrasion, damage, or clogging at teeth of cam and pad.
 - (c) Deformation of main body – at jaw opening in particular.
- (4) Separate conforming clamps and other hazardous items identified during use or inspection and designate the defective sections. Perform maintenance any soon.
- (5) For the storage, place soft material as wooden chip in-between cam and pad to protect the teeth.

2.Periodic Inspection

Perform periodic inspection in accordance with the periodic inspection and maintenance standards. Functions and life of clamps may differ in a great degree as they are used in varieties of fields under different conditions of use. Therefore, preparation and practice of effective handling/inspection standards manual by users themselves are recommended. We ask you to establish complete maintenance and control for assurance of safety in reference to our Manufacture's Inspection Standards of our clamp. Clamp is designated for easy replacement of parts and therefore, do not fail to replace defective parts. Also, keeping spare parts at all times is recommended.

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- Rail Clamp
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P38-46

Lifting Clamps for Concrete Material

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- Balance Set
- Balance
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- Lifting Clamp for Extruded Cement Panel

P54-56

Appendix

Product Search

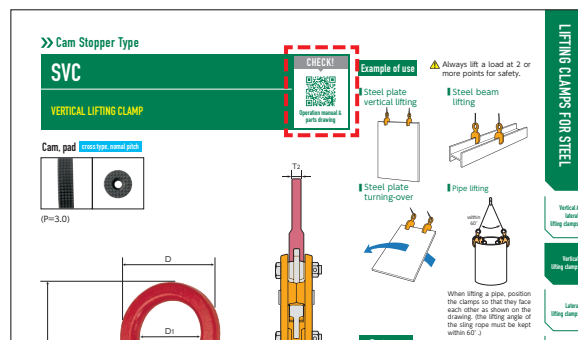
This catalogue is categorized by usage. You can search for your required product at each category. You can also use the index by category displayed at the next page.

Listed Products

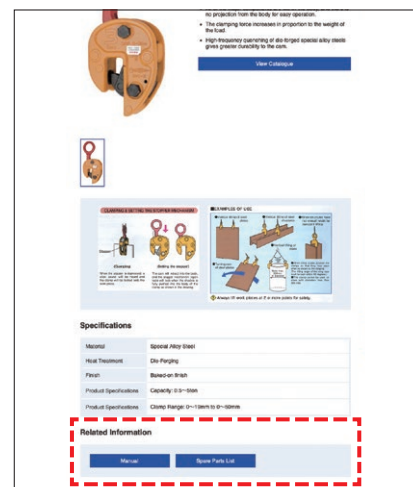
The Products listed in this catalogue are constantly getting improved or upgraded. The products size or specifications can be changed or the products can get discontinued without any prior notice.

QR Code

All standard products in this catalogue have their QR codes. You can download various data such as operation manuals, product videos and parts drawings by reading a code.



▲ QR code is indicated next to each product name.

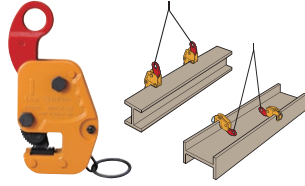


▲ Various data can be downloaded from our website by reading a QR code.

LIFTING CLAMPS FOR STEEL

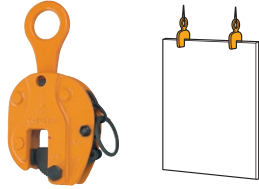
P.11 GVC-R

VERTICAL & LATERAL LIFTING CLAMP
(Lock Handle Type)



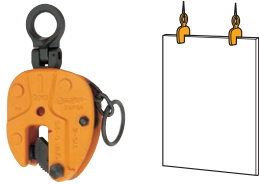
P.12 SVC-H • SVC-WH • SVC-HN • SVC-WHN

VERTICAL LIFTING CLAMP
(Lock Handle Type)



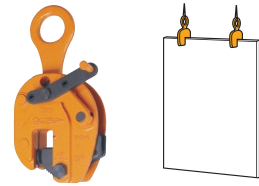
P.13 SVC-E • SVC-EN

VERTICAL LIFTING CLAMP
(Lock Handle Type)



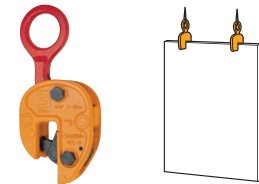
P.14 SVC-L

VERTICAL LIFTING CLAMP



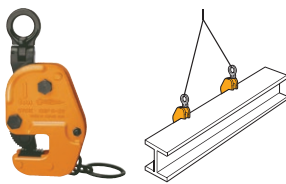
P.15 SVC

VERTICAL LIFTING CLAMP



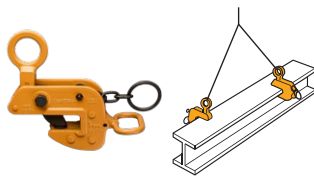
P.16 GVC-E • GVC-EN

LATERAL LIFTING CLAMP
(Lock Handle Type)



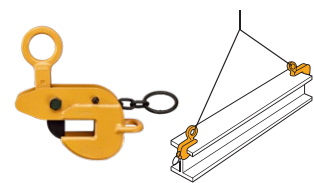
P.17 HLC-H • HLC-WH • HLC-HN • HLC-WHN

LATERAL LIFTING CLAMP
(Lock Handle Type)



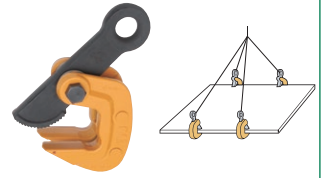
P.18 HLC-U

LATERAL LIFTING CLAMP



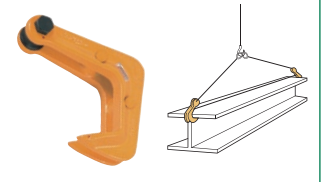
P.19 HPC-N

HORIZONTAL LIFTING CLAMP



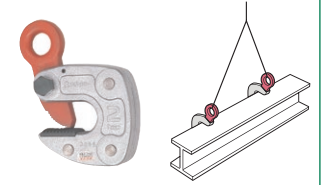
P.19 HHC

LIFTING HOOK



P.20 HLC-S • HLC-W

STEEL BEAM LIFTING CLAMP



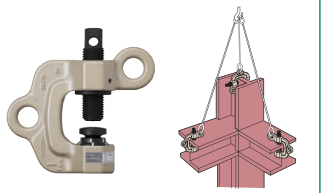
P.20 LSBN

BALANCE



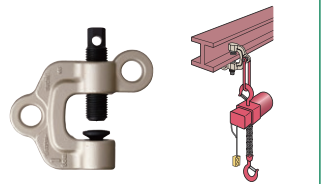
P.22 SWC-S

SCREW CAM CLAMP
(Double Eye Type)
Twist Cam Type PAT.



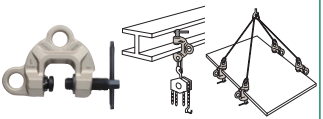
P.22 SWC-N

SCREW CAM CLAMP
(Double Eye Type) PAT.



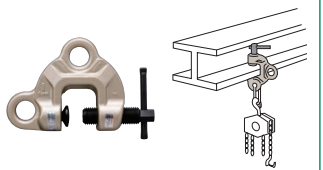
P.23 SDC-S

SCREW CAM CLAMP
(Double Eye Type)
Twist Cam Type PAT.



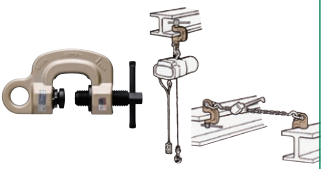
P.23 SDC-N • SDC-WN

SCREW CAM CLAMP
(Double Eye Type)



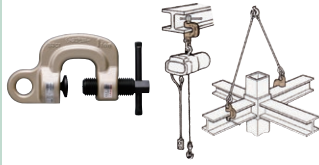
P.24 SJC-S

SCREW CAM CLAMP
(Single Eye Type)
Twist Cam Type PAT.



P.24 SJC

SCREW CAM CLAMP
(Single Eye Type)



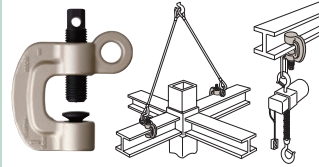
P.30 SLH3A

SUPER LOCK HOOK
(Open / Close Lock Type)



P.25 SSC-N

SCREW CAM CLAMP
(Single Eye Type) PAT.



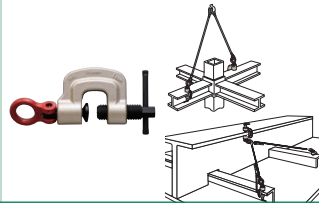
P.30 SLH3AC

SUPER LOCK HOOK
WITH CHAIN SLING
(Open / Close Lock Type)



P.25 SUC

SCREW CAM CLAMP PAT.



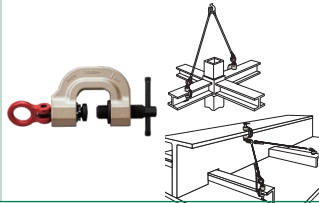
P.31 SLH-N

SUPER LOCK HOOK



P.26 SUC-S

SCREW CAM CLAMP
Twist Cam Type PAT.



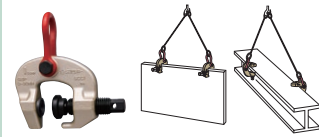
P.31 SLH-NC

SUPER LOCK HOOK WITH
CHAIN SLING



P.27 SCC • SCC-W

SCREW CAM CLAMP
(All-purpose Type)



P.32 SLH-S

SUPER LOCK HOOK



P.28 SBN

BEAM CLAMP



P.32 SLH-SC

SUPER LOCK HOOK
WITH CHAIN SLING
(with Swivel)



P.28 SBN-E

BEAM CLAMP



P.32 CSC31

CHAIN SLING



P.29 SDH3

SUPER FOOT LOCK



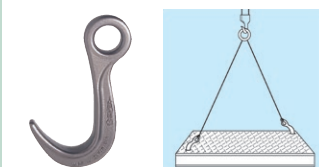
P.33 DLC0.5V

DRUM LIFT CLAMP
(Vertical Lifting)



P.29 FKH1

LIFTING HOOK



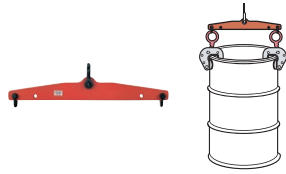
P.33 DLC0.5

DRUM LIFT CLAMP



P.33 DSB1S

BALANCE FOR DRUM LIFT CLAMP



P.40 SKC150(M) · SKC250(W) · SKC1250D

LIFTING CLAMP FOR CONCRETE MATERIAL (Manual / Machine Type)



P.34 FLH

LIFTING HOOK FOR FORKLIFT



P.41 AMC-N

UNIVERSAL LIFTING CLAMP FOR CONCRETE MATERIAL Adjustable Clamp Range Type (Pad Type)



P.34 RGC

RAIL CLAMP



P.41 LSB2H

BALANCE (With Upper Wire Rope and Ring)



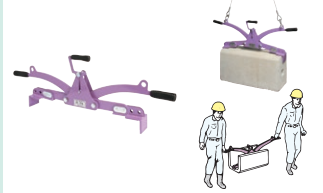
P.35 TVC1

REINFORCING ROD VERTICAL LIFTING CLAMP



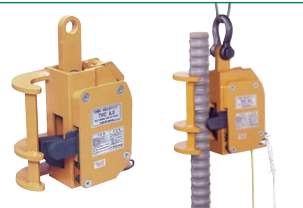
P.42 UGC-M

UNIVERSAL LIFTING CLAMP FOR CONCRETE MATERIAL (Adjustable Clamp Range Type)



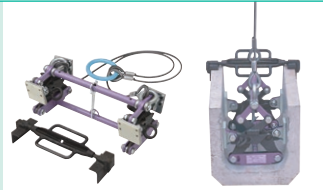
P.35 TVC1L

REINFORCING ROD VERTICAL LIFTING CLAMP



P.43 BUC240N

INTERNAL EXPANDING LIFTING CLAMP FOR U SHAPED GUTTER (Pad Type with Wire Rope and Ring)



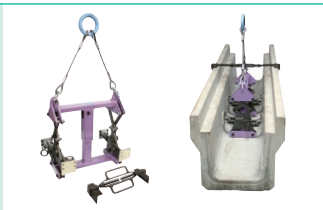
P.36 SSCC130

CLAMP WITH FALL ARREST EQUIPMENT



P.44 BUC1000A

AUTOMATIC INTERNAL EXPANDING LIFTING CLAMP FOR U SHAPED GUTTER (Pad Type with Wire Rope and Ring)



LIFTING CLAMPS FOR CONCRETE MATERIAL

P.39 CGC

LIFTING CLAMP FOR CONCRETE MATERIAL (Cam Type)



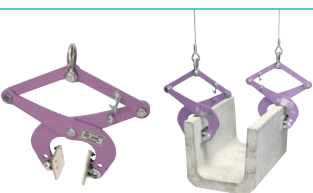
P.45 KBC500WH

BATCH LIFTING CLAMP FOR BANK BLOCK (with Wire Rope and Ring)



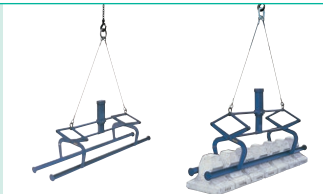
P.39 CGC-N

LIFTING CLAMP FOR CONCRETE MATERIAL (Pad Type)



P.46 KBC500WA

AUTOMATIC BATCH LIFTING CLAMP FOR BANK BLOCK (with Wire Rope and Ring)



LIFTING CLAMPS FOR HOUSING



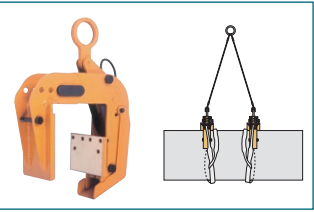
P.48 PTC100

LIFTING CLAMP FOR FORMWORK / PANEL (Ultra-light-weight and Compact Type)



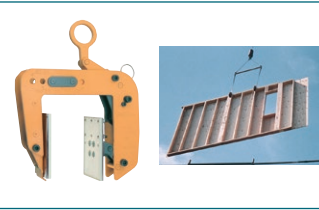
P.52 PAC260

LIFTING CLAMP FOR ALC PANEL



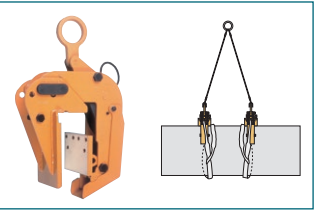
P.48 PTC150

LIFTING CLAMP FOR PANEL / BEAM (Wide Type)



P.52 PSC260

LIFTING CLAMP FOR EXTRUDED CEMENT PANEL



P.49 PTC200

LIFTING CLAMP FOR 2 x 4 PANEL (Wide Type)



P.52 UGC200W

HORIZONTAL LIFTING CLAMP FOR ALC PANEL



P.49 PTC250

LIFTING CLAMP FOR PANEL / BEAM (Super Wide Type)



P.50 PSC100

LIFTING CLAMP FOR PANEL (Ultra-light-weight and Compact Type)



P.50 BLC200

LIFTING CLAMP FOR WOODEN BEAM (Double Cam Type)



P.51 PTC-S • PSC-S • BLC-S

LIFTING CLAMP BALANCE SET FOR PANEL / WOODEN BEAM



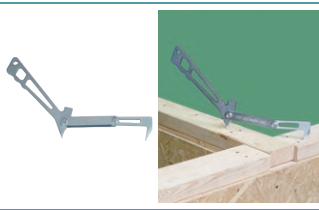
P.51 PSB • PSBSL

2-POINT LIFTING BALANCE SLING BELT FOR BALANCE



P.51 PTP200

PANEL PULLER (Panel Pulling Tool)



» SAFE AND CORRECT USE FOR ALL TOOLS

Supertool is constantly working on the improvement of its products quality and safety, to increase the customer satisfaction. Before using Supertool products, never fail to read the following cautions as well as the cautions in the pages by category, for a longer and safer use.

Lifting clamps are very convenient tools for slinging operations, but incorrect use can lead to major accident involving serious to fatal injuries. Before use, never fail to read the operation manual and use the lifting clamp safely in the proper manner. Furthermore, the followings items of warning are common to all lifting clamp models. Make sure to respect them as well.

⚠️ WARNINGS (COMMON FOR ALL MODELS) "SAFETY ITEMS FOR LIFTING CLAMP HANDLING"

- Always be sure that slinging operations are carried out only by qualified persons.
- Use the appropriate model for the application.
- Always use within the allowable rated capacity.
- Always make sure that the plate thickness is within the clamping range of the lifting clamp.
- Always insert the load completely.
- Before use, always inspect the cam and pad teeth to check if they are clogged or worn and confirm that each part of the clamp has no abnormality.
- Never use a lifting clamp having any deformation, cracks, abrasion or malfunction.
- Lubricate periodically the moving parts and check that there is no oil on the surface of the cam and pad teeth.
- Operate daily and periodical inspections to check for abnormalities with the operation of each part of the lifting clamp according to the inspection standards of the operation manual.
- Never make any modification on the lifting clamp. Heating or processing can significantly reduce the lifting clamp quality (strength).
- Never use other parts than Supertool original parts.
- Never proceed lifting of several plates or stacked plates, or lifting by the sides of a plate.
- When there is oil, painting, rust or scale on the load, make sure to always remove it before lifting.
- As a safety rule, use 2 or more lifting clamps to avoid unbalanced load.
- When lifting at 2 points, always lift the load vertically with a balance.
- Make sure to read carefully the "Selection standards for 2-point lifting" (P.54) and the "Lifting angle and rated load of wire rope" (P.55).
- Never lift with 2 lifting clamps and 1 wire rope (except for lifting hooks).
- Never lift a load out of the center of gravity. And always check the clamping condition before lifting.
- Never enter the area where there is a risk that the lifted load drops or topples down.
- Never give an impact to the lifted load or the lifting clamp.
- Never move or stop the load briskly.
- Never use in dangerous conditions such as strong wind.
- When landing the load, never land it on an unstable place.
- Never use a lifting clamp with a hydraulic shovel.
- Never use in crane operation that drags the load.

⚠️ WARNINGS FOR LIFTING CLAMPS FOR STEEL

- Never use for material other than steel.
- Never use for lifting load with high hardness (30HRC or higher).
- Never lift vertically material with tapered edge on the lifting direction.
- Never lift vertically by clamping the sides of the load.
- Never lift vertically 2 or more stacked plates.
- When there is rust, oil, painting, rust or any other foreign matter on the load, make sure to always remove it before lifting.

⚠️ WARNINGS FOR LIFTING CLAMPS FOR CONCRETE MATERIAL

- Never use for material other than concrete.
- Never use for lifting or pulling out U shaped gutter or other concrete material that are buried in the ground.
- In principle, the lifting must be vertical lifting. Never operate lateral pulling.
- Never lift uncured concrete material (that is not completely hardened).
- When there is water, oil, sand, or any other matter on the cam, the pad or the concrete material (the load), the clamp may slip. Always make sure to remove the matter before lifting.
- Never lift more that one concrete material at the same time.

⚠️ WARNINGS FOR LIFTING CLAMPS FOR HOUSING

- These clamps are dedicated for lifting panels and wooden beams for housing use. Never lift concrete materials, tile plates, glass plates, stone plates, metal plates or other.
- Never lift panel with no structure that are breakable.
- Never lift fixed panel.
- In principle, the lifting must be vertical lifting. Never operate lateral pulling.
- Never lift stacked panels.

LIFTING CLAMPS FOR STEEL



P.11
Vertical & lateral lifting clamps



P.12
Vertical lifting clamps



P.16
Lateral lifting clamps



P.19
Horizontal lifting clamps



P.20
Steel beam lifting clamps



P.22
Screw cam clamps



P.28
Beam clamps



P.29
Super foot locks, lifting hooks



P.30
Super lock hooks



P.33
Drum lift clamps



P.34
Lifting hooks for forklift,
rail clamps



P.35
Reinforcing rod vertical
lifting clamps



P.36
Clamp with fall arrest equipment

LIFTING CLAMPS FOR STEEL

CLAMP USE CHART

● Compliant item ▲ Item that can be used

		GVC-R	SVC-(H/HN/WH/WHN/E/EN/L)	GVC-(E/EN)	HLC-(H/HN/WH/WHN)	HLC-U	HPC-N	HLC-(S/W)	HHC	SWC-(S/N)	SDC-(S/N/WN)	SJC-(S)	SSC-N	SUC-(S)	SCC-/W		
Page number		P11	P12~15	P16	P17	P18	P19	P20	P19	P22	P23	P24	P25	P25~26	P27		
Usage	Lifting	Vertical lifting	●	●						●	●					●	
		Lateral lifting	●		●	●	●	●	●	●	●	●	●	●	●	●	▲
	Steel plate turning-over		●							●	●						
	Steel beam turning-over	●	●	●	●	●		●		●	●	●		●		▲	
	Horizontal pulling									●	●	●	●	●	●	●	
	Hoist, chain block hanging									●	●	●	●	●	●		
Work	Steel plate (vertical lifting)		●	●						●	●					●	
	Steel plate (lateral lifting)		●		●	●	●	●		●	●	●	●	●	●	●	▲
	Horizontal lateral lifting clamps, lifting hooks		●														
		*Check carefully the sling rope lifting angle during lifting. The clamp cannot be used if the lifting angle exceeds the limit mentioned in the operation manual available on our website.															
	Steel beam lifting clamps, balance		●	●							●	●					●
			●		●	●	●	●		●	●	●	●	●	●	●	▲
	Screw cam clamps		●		●	●	●	●		●	●	●	●	●	●	●	▲
			●		●	●	●	●		●	●	●	●	●	●	●	
	Beam clamps	*Check carefully the sling rope lifting angle during lifting. The clamp cannot be used if the lifting angle exceeds the limit mentioned in the operation manual available on our website.															
			●		●	●	●	●			●	●	●	●	●	●	▲
	Super foot locks, lifting hooks						●			●							
	Super lock hooks		●		●	●	●	●		●	●	●	●	●	●	●	▲
	Drum lift clamps		●		●	●	●	●		●	●	●	●	●	●	●	▲
	Lifting hooks for forklift, rail clamps		●		●	●	●	●		●		●	●		●		▲
*Check carefully the sling rope lifting angle during lifting. The clamp cannot be used if the lifting angle exceeds the limit mentioned in the operation manual available on our website.																	
Reinforcing rod vertical lifting clamps	Pipe (vertical lifting)		●							●	●					●	
	Pipe (vertical lifting)							●		●	●	●	●	●	●	▲	

Note 1 : For the steel beam, the longer side must be in horizontal position.

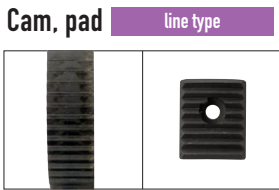
Note 2 : For the ▲ marks (item that can be used), please refer to the operation manual.

Note 3 : For details, please refer to the operation manual of each clamp, available on our website.

» Multi-use Type

GVC-R

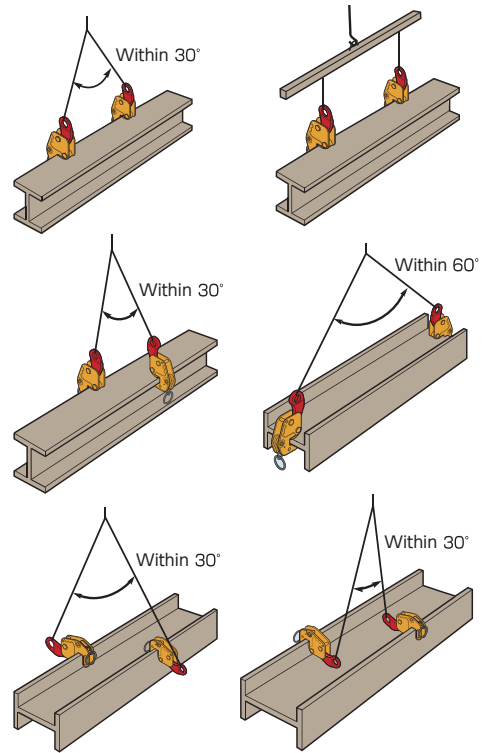
VERTICAL & LATERAL LIFTING CLAMP (Lock Handle Type)



Example of use

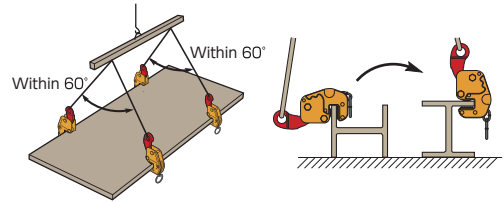
⚠ Always lift a load at 2 or more points for safety.

■ Steel beam lifting



■ Steel plate lifting

■ Steel beam turning-over



Features

- Not only suitable for H shaped and I shaped steel beams, but enables also stable lifting operation for steel plates.
- The spring-type tightening lock mechanism assures a positive initial clamp force.
- Can be used for both vertical and lateral lifting. The line-type cam brings a sure grip.
- GVC0.5R can be used also for steel beam with 100mm wide flanges.

■ Tightening lock mechanism

When you pull downward the lock handle, the lock gets set and the clamp grips firmly the workpiece. This lock is very safe and even if the sling rope loosens, or if a shock occurs, the clamp will not come off.

■ Releasing lock mechanism

When you pull upward the lock handle, the lock gets released. Never attempt a lifting operation in this state. It would be dangerous as the tightening would be insufficient.

Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)														N.W. (kg)
			L	L1	L2	L3	H(MAX)	H1	H2	H3	D	D1	T	T1	T2	T3	
GVC0.5R	0.5	0~20	103	47	21	6	229	145	34	23	52	30	55	45	24	10	2.6
GVC1R	1	0~25	130	62	26	10	278	183	40	28	60	35	64	52	29	12	4.5

★ Parts drawings and operation manuals can be downloaded from our website.
 ● For all the appendix, please refer to P.54 ~56

» Conventional Model for Vertical Lifting

SVC-H • SVC-WH • SVC-HN • SVC-WHN

VERTICAL LIFTING CLAMP (Lock Handle Type)

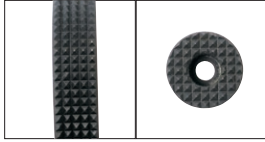
CHECK!



Operation manual & parts drawing

SVC0.5H~5WH

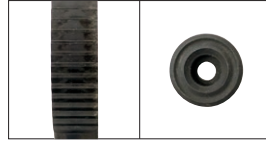
Cam, pad cross type, normal pitch



(P=3.0)

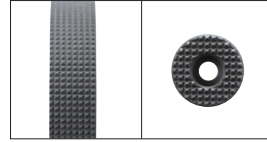
SVC7H~10WH

Cam, pad line type



SVC-HN • SVC-WHN

Cam, pad cross type, fine pitch

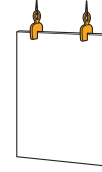


(P=2.0)

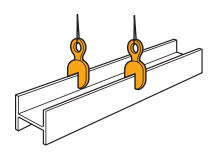
Example of use

⚠ Always lift a load at 2 or more points for safety.

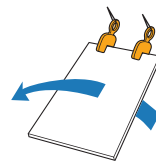
Steel plate vertical lifting



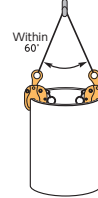
Steel beam lifting



Steel plate turning-over



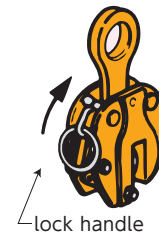
Pipe lifting



When lifting a pipe, position the clamps so that they face each other as shown on the drawing. (the lifting angle of the sling rope must be kept within 60°.)

Features

- Including a releasing lock pin for 7 & 10 ton.
- Standard clamp for vertical lifting of steel plates and other steel structures.
- (SVC-HN • SVC-WHN) The Cam & Pad is designed for less biting marks on the load with the fine pitch cross pattern.



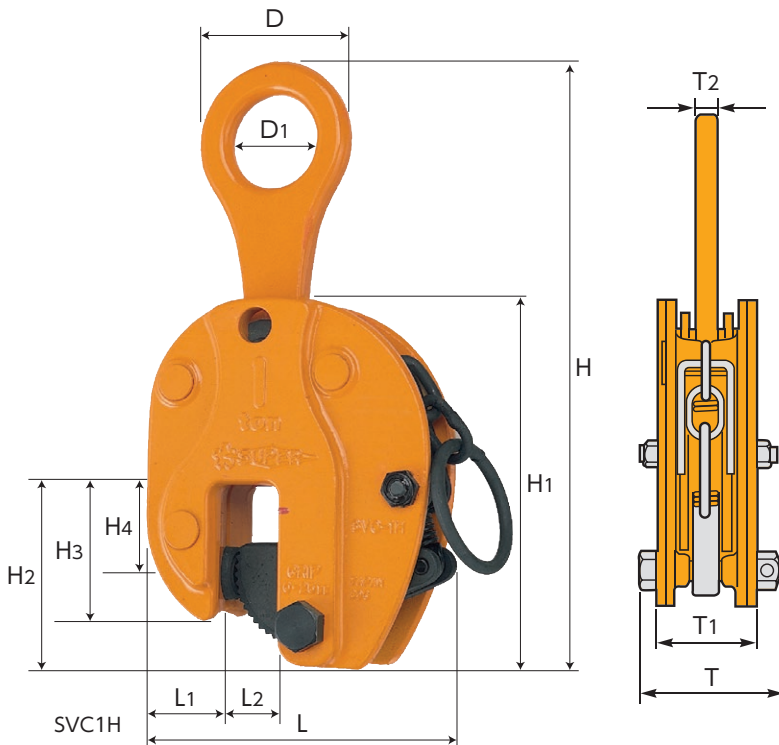
Tightening lock mechanism

When you pull upward the lock handle, the lock gets set and the clamp grips firmly the load. This lock is very safe and even if the sling rope loosens, or if a shock occurs, the clamp will not come off.



Releasing lock mechanism

When you pull downward the lock handle, the lock gets released. Never attempt a lifting operation in this state. It would be dangerous as the tightening would be insufficient.



Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)													N.W. (kg)
			L	L1	L2	H(MAX)	H1	H2	H3	H4	D	D1	T	T1	T2	
SVC0.5H	0.5	0~19	131	36	26	250	158	80	60	36	64	36	67	49	12	3
SVC1H	1	0~25	152	42	32	310	185	90	69	45	85	48	81	59	16	6
*SVC1WH	1	0~40	165	43	44	360	225	104	70	45	85	48	72	53	16	6.2
SVC2H	2	0~30	172	48	39	375	210	100	77	47	106	60	97	71	18	10.5
SVC3H	3	0~35	182	51	42	405	225	105	81	47	117	66	102	75	20	12.5
*SVC3WH	3	25~60	212	56	67	432	253	123	99	65	117	66	102	75	20	15
*SVC5H	5	0~40	220	65.5	49.5	455	260	120	95	49	148	84	122	92	22	21.5
*SVC5WH	5	25~65	245	65.5	74.5	485	285	141	116	70	148	84	122	92	22	25
*SVC7H	7	10~70	340	100	75	615	402	195	145	80	120	60	149	95	25	43
*SVC7WH	7	30~90	360	100	95	615	402	195	145	80	120	60	149	95	25	45
*SVC10H	10	20~80	360	100	85	645	412	205	145	80	130	65	177	116	32	56
*SVC10WH	10	40~100	380	100	105	645	412	205	145	80	130	65	177	116	32	60
SVC0.5HN	0.5	0~19	131	36	26	250	158	80	60	36	64	36	67	49	12	3
SVC1HN	1	0~25	152	42	32	310	185	90	69	45	85	48	81	59	16	6
*SVC1WHN	1	0~40	165	43	44	360	225	104	70	45	85	48	72	53	16	6.2

For * marked items, the main body is made of high-tensile steel plates.

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

Compact Type with Swing Shackle

SVC-E • SVC-EN

VERTICAL LIFTING CLAMP (Lock Handle Type)

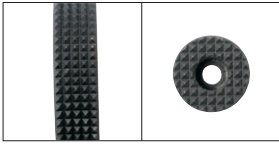
CHECK!



Operation manual & parts drawing

SVC-E

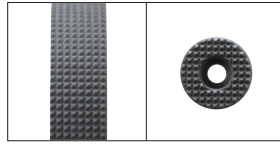
Cam, pad cross type, normal pitch



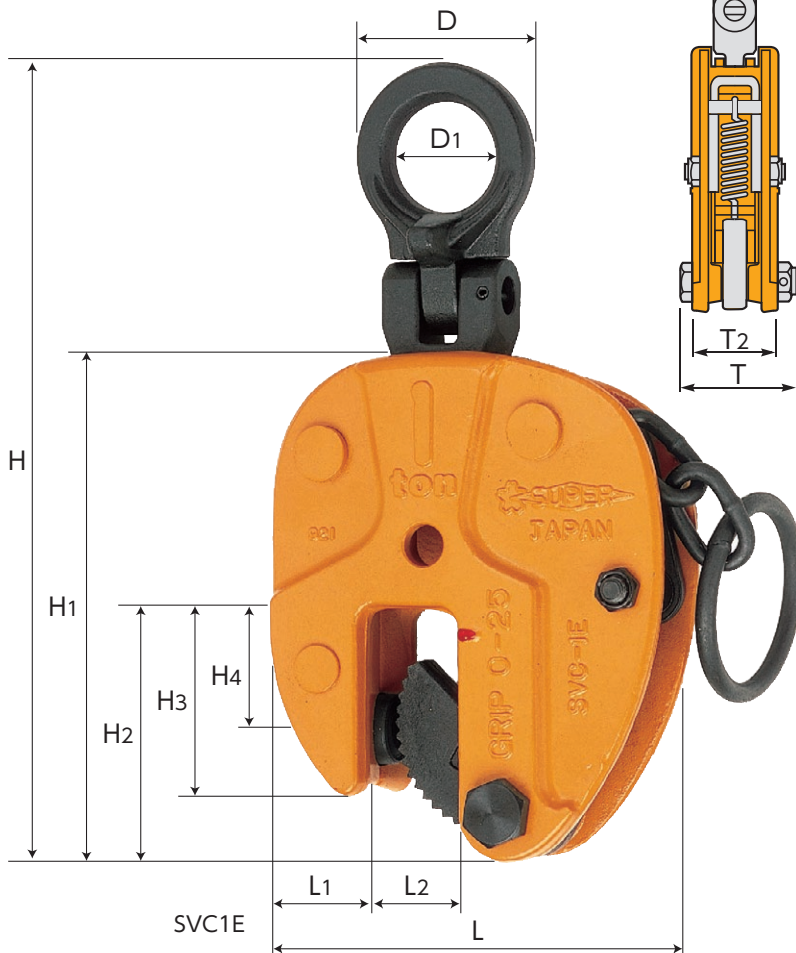
(P=3.0)

SVC-EN

Cam, pad cross type, fine pitch



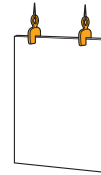
(P=2.0)



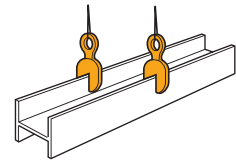
Example of use

Always lift a load at 2 or more points for safety.

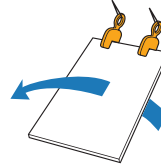
Steel plate vertical lifting



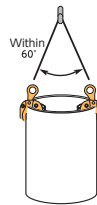
Steel beam lifting



Steel plate turning-over



Pipe lifting

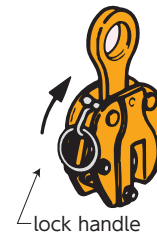
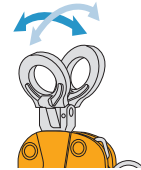


When lifting a pipe, position the clamps so that they face each other as shown on the drawing. (the lifting angle of the sling rope must be kept within 60°.)

Features

- For vertical lifting of steel plates and other steel structures, with more lifting directions possible and light-weight type.
- The spring-type tightening lock mechanism assures a positive initial clamp force.
- Swing shackle type.
- (SVC-EN) The Cam & Pad is designed for less biting marks on the load with the fine pitch cross pattern.

The Swing shackle allows the cam to generate a clamping force on the load at any direction it is pulled.



Tightening lock mechanism

When you pull upward the lock handle, the lock gets set and the clamp grips firmly the load. This lock is very safe and even if the sling rope loosens, or if a shock occurs, the clamp will not come off.



Releasing lock mechanism

When you pull downward the lock handle, the lock gets released. Never attempt a lifting operation in this state. It would be dangerous as the tightening would be insufficient.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)														N.W. (kg)
			L	L1	L2	H(MAX)	H1	H2	H3	H4	D	D1	T	T1	T2	T3	
SVC0.3E	0.3	0~16	100	25	19	176	110	57	48	30	45	26	50	39	36	8	1.6
SVC0.5E	0.5	0~19	110	28	22	204	125	67	53	34	52	30	55.5	45	40	10	2.1
SVC1E	1	0~25	130	35	29	257	160	80	60	38	60	35	67.5	53	48	12	3.7
SVC1.5E	1.5	0~28	150	39	33	290	174	88	67	42	76	45	76.5	67	55	14	5.5
SVC2E	2	0~32	162	43	37	335	194	97	73	45	94	55	82	83	58	16	7
SVC0.3EN	0.3	0~16	100	25	19	176	110	57	48	30	45	26	50	39	36	8	1.6
SVC0.5EN	0.5	0~19	110	28	22	204	125	67	53	34	52	30	55.5	45	40	10	2.1
SVC1EN	1	0~25	130	35	29	257	160	80	60	38	60	35	67.5	53	48	12	3.7

* Parts drawings and operation manuals can be downloaded from our website.
 ● For all the appendix, please refer to P.54 ~56

» Lock Lever Type

SVC-L

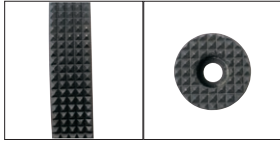
VERTICAL LIFTING CLAMP

CHECK!

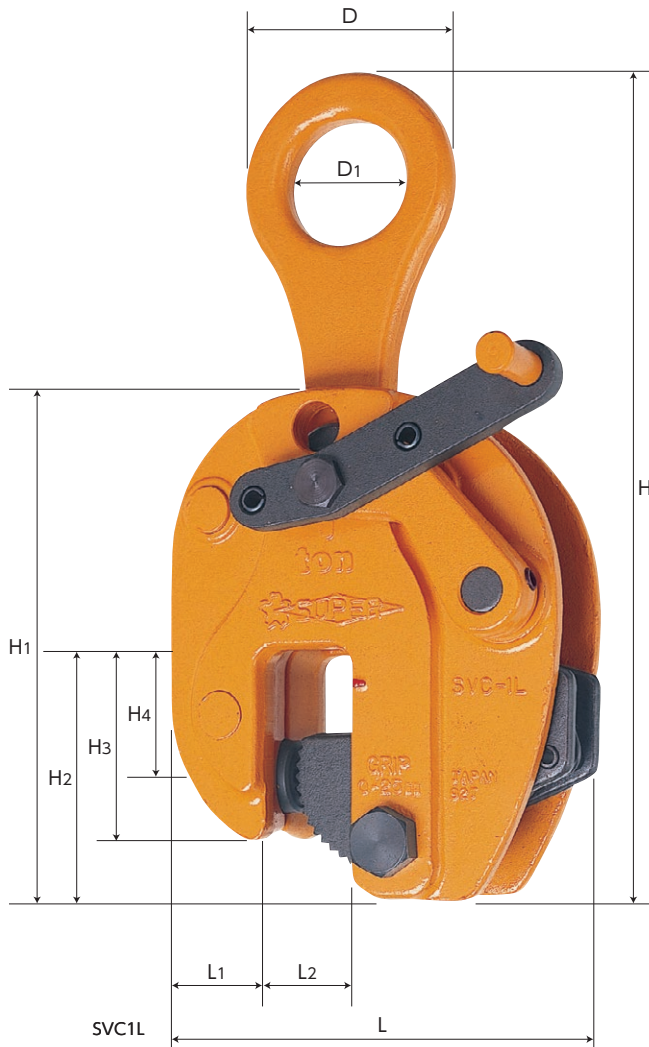
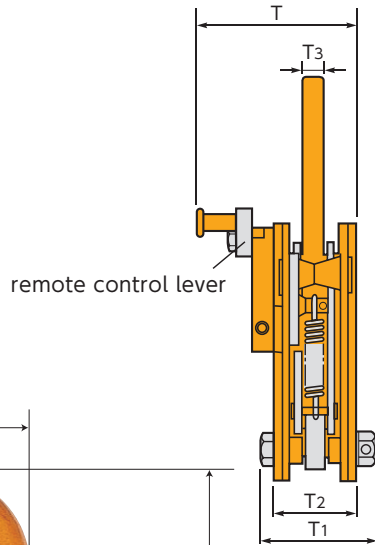


Operation manual & parts drawing

Cam, pad **cross type, nominal pitch**



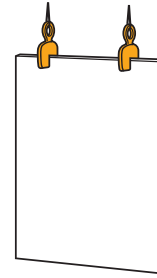
(P=3.0)



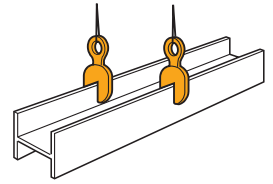
Example of use

⚠ Always lift a load at 2 or more points for safety.

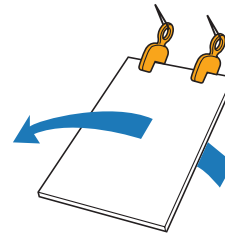
Steel plate vertical lifting



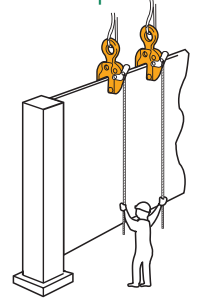
Steel beam lifting



Steel plate turning-over



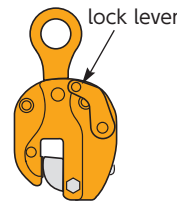
Including a remote control rope



Features

- The spring-type tightening lock mechanism assures a positive initial clamp force.
- The lever and the rope allow to unlock the clamp and to remove it from the load remotely from the floor.

Tightening lock mechanism



- When you push upward the lock lever, the lock gets set and the clamp grips firmly the load.
- As the spring brings always a certain clamping force, even with the shock of the load landing or when the sling rope loosens, the clamp will not come off.

Releasing lock mechanism



- When you push downward the lock lever, the cam retracts inside the main body, the releasing lock gets set and the release position is locked.
- With the remote control lever, it is easy to unlock and remove the clamp from high places.

Accessories

- Remote control lever
- Remote control rope

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)													N.W. (kg)	
			L	L1	L2	H(MAX)	H1	H2	H3	H4	D	D1	T	T1	T2		T3
SVC0.5L	0.5	0~19	131	36	26	250	158	80	60	36	64	36	89(80)	67	49	12	3
SVC1L	1	0~25	152	42	32	310	185	90	69	45	85	48	113(104)	81	59	16	6
SVC2L	2	0~30	172	48	39	375	210	100	77	47	106	60	130(118)	97	71	18	10.5
SVC3L	3	0~35	182	51	42	405	225	105	81	47	117	66	141(129)	102	75	20	12.5
*SVC5L	5	0~40	220	65	50	455	260	120	95	49	148	84	157(145)	122	92	22	21.5

Note : The values between brackets refer to the dimension when the remote control lever is not installed.
For * marked item, the main body is made of high-tensile steel plates.

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» Cam Stopper Type

SVC

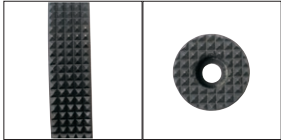
VERTICAL LIFTING CLAMP

CHECK!

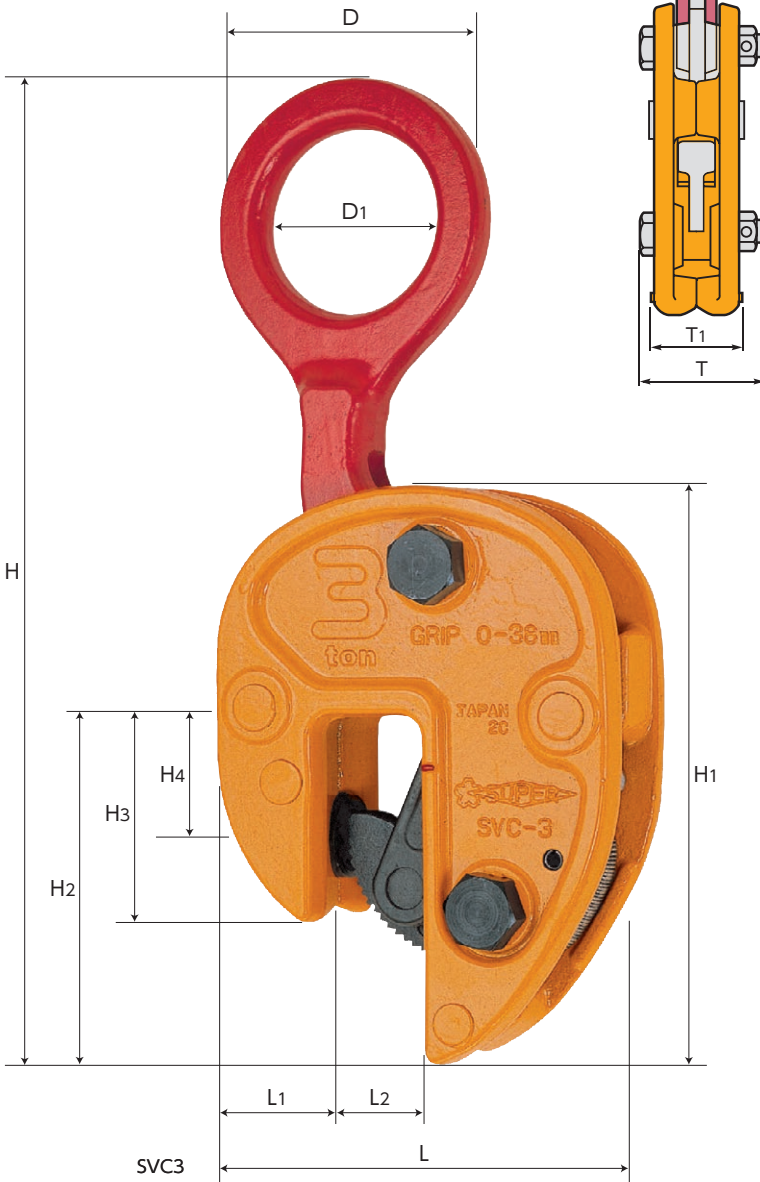


Operation manual & parts drawing

Cam, pad cross type, normal pitch



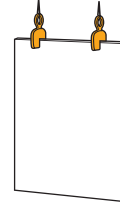
(P=3.0)



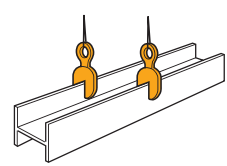
Example of use

⚠ Always lift a load at 2 or more points for safety.

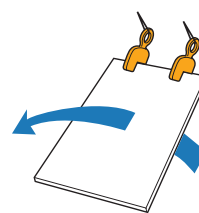
Steel plate vertical lifting



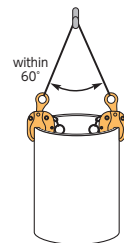
Steel beam lifting



Steel plate turning-over



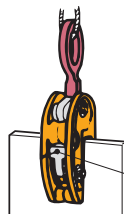
Pipe lifting



When lifting a pipe, position the clamps so that they face each other as shown on the drawing. (the lifting angle of the sling rope must be kept within 60°.)

Features

- For vertical lifting of steel plates and other steel structures (light-weight and compact type).
- All the major components are protected inside the body, with no protrusion, for easy handling operation.
- With the stopper, the cam stays locked in release position and the load is easy to set. As lifting is impossible unless the stopper is released, the safety can be easily confirmed.

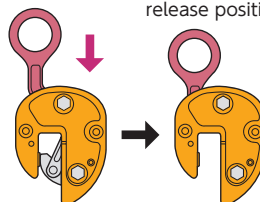


Tightening lock mechanism

When you push the stopper, a click sound is heard and the clamp grips firmly the workpiece.

Releasing lock mechanism

When you fully push downward the shackle as shown in the drawing, the cam retracts inside the main body, the releasing lock gets set and the release position is locked.



Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)													N.W. (kg)
			L	L1	L2	H(MAX)	H1	H2	H3	H4	D	D1	T	T1	T2	
SVC0.5	0.5	0~19	108	29	22	210	138	85	54	33	54	35	45	31	9	1.6
SVC1	1	0~25	126	35	28	265	165	101	62	38	72	46	58	42	12	3.2
SVC2	2	0~32	152	43	35	330	200	120	73	45	96	61	72	56	16	6
SVC3	3	0~38	168	47	41	385	225	135	81	48	116	74	84	66	19	9
SVC5	5	0~50	212	59	54	485	276	162	99	61	146	92	101	81	25	18

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56



Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

» Swing Shackle Type

GVC-E • GVC-EN

LATERAL LIFTING CLAMP (Lock Handle Type)

CHECK!

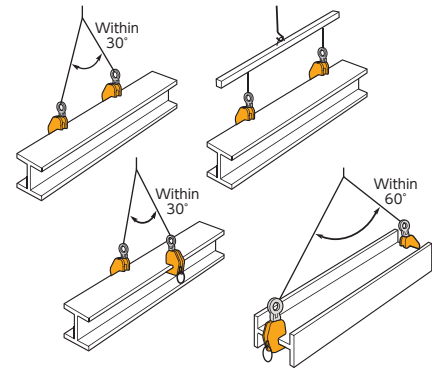


Operation manual & parts drawing

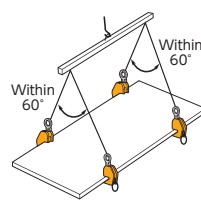
Example of use

Always lift a load at 2 or more points for safety.

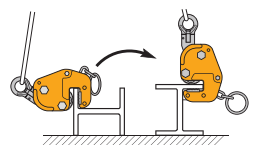
Steel beam lifting



Steel plate lifting

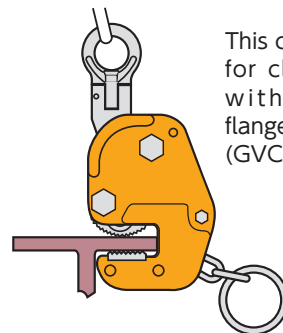


Steel beam turning-over



Features

- For lateral (horizontal) lifting of steel beams for structure (H beam, I beam, T beam, L beam, etc.) and flat steel bars.
- The Swing shackle and the arc-shaped pad provide a stable lateral (horizontal) clamping force (Swing shackle type).
- The spring-type tightening lock mechanism assures a positive initial clamp force (lock handle type).
- (GVC-EN) The Cam & Pad is designed for less biting marks on the load with the fine pitch cross pattern.



This clamp can be used for clamping I beams with 100mm wide flanges. (GVC0.35E, GVC0.5E)

GVC-E

Cam

cross type, normal pitch



(P=3.0)

Pad

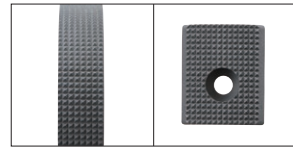
line type



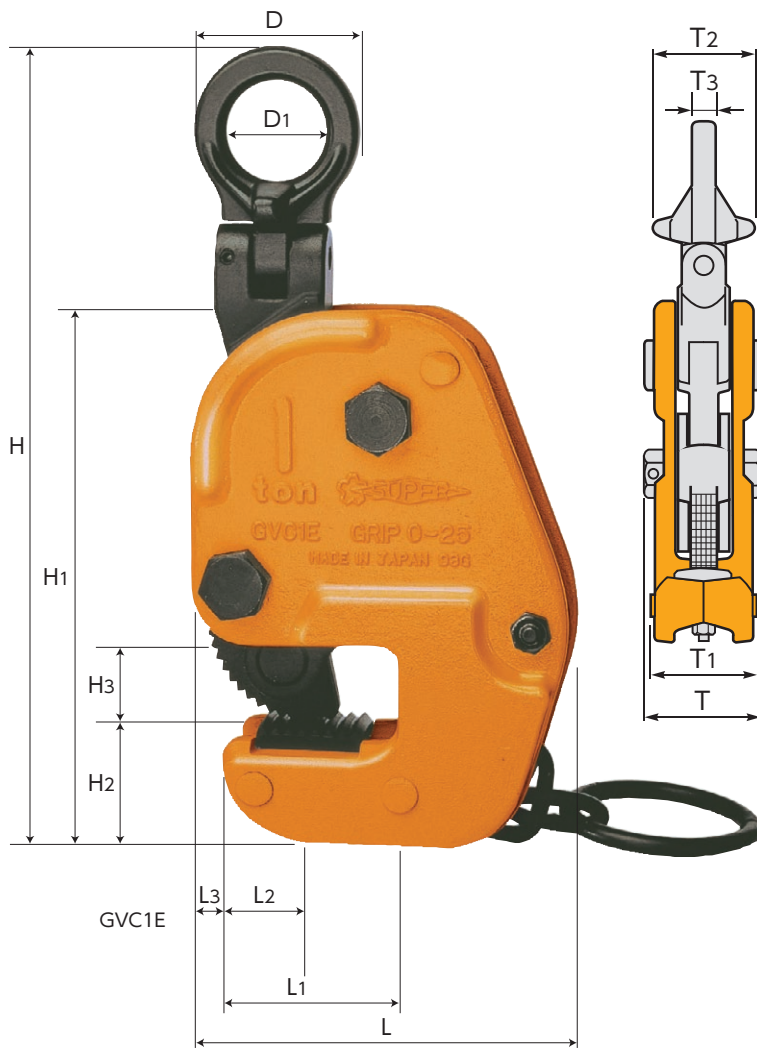
GVC-EN

Cam, pad

cross type, fine pitch



(P=2.0)



Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)													N.W. (kg)	
			L	L1	L2	L3	H(MAX)	H1	H2	H3	D	D1	T	T1	T2		T3
GVC0.35E	0.35	0~16	87	42	21	6	191	120	26	19	45	26	51	41	39	8	1.7
GVC0.5E	0.5	0~20	103	47	20	6	229	145	34	23	52	30	55	45	45	10	2.6
GVC1E	1	0~25	130	62	26	10	276	183	40	28	60	35	64	52	53	12	4.5
GVC2E	2	5~35	163	70	27	12	343	222	50	38	76	45	79	63	67	14	9
GVC0.35EN	0.35	0~16	87	42	21	6	191	120	26	19	45	26	51	41	39	8	1.7
GVC0.5EN	0.5	0~20	103	47	20	6	229	145	34	23	52	30	55	45	45	10	2.6
GVC1EN	1	0~25	130	62	26	10	276	183	40	28	60	35	64	52	53	12	4.5

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

- Vertical & lateral lifting clamps
- Vertical lifting clamps
- Lateral lifting clamps
- Horizontal lateral lifting clamps, lifting hooks
- Steel beam lifting clamps, balance
- Screw cam clamps
- Beam clamps
- Super foot locks, lifting hooks
- Super lock hooks
- Drum lift clamps
- Lifting hooks for forklift, rail clamps
- Reinforcing rod vertical lifting clamps
- Clamp with fall arrest equipment

» Conventional Model for Lateral Lifting

HLC-H • HLC-WH • HLC-HN • HLC-WHN

CHECK!

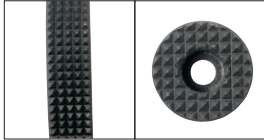


Operation manual & parts drawing

LATERAL LIFTING CLAMP (Lock Handle Type)

HLC0.5H~5WH

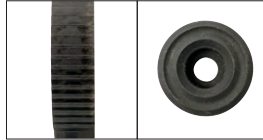
Cam, pad **cross type, normal pitch**



(P=3.0)

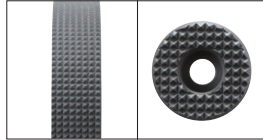
HLC7H~10WH

Cam, pad **line type**

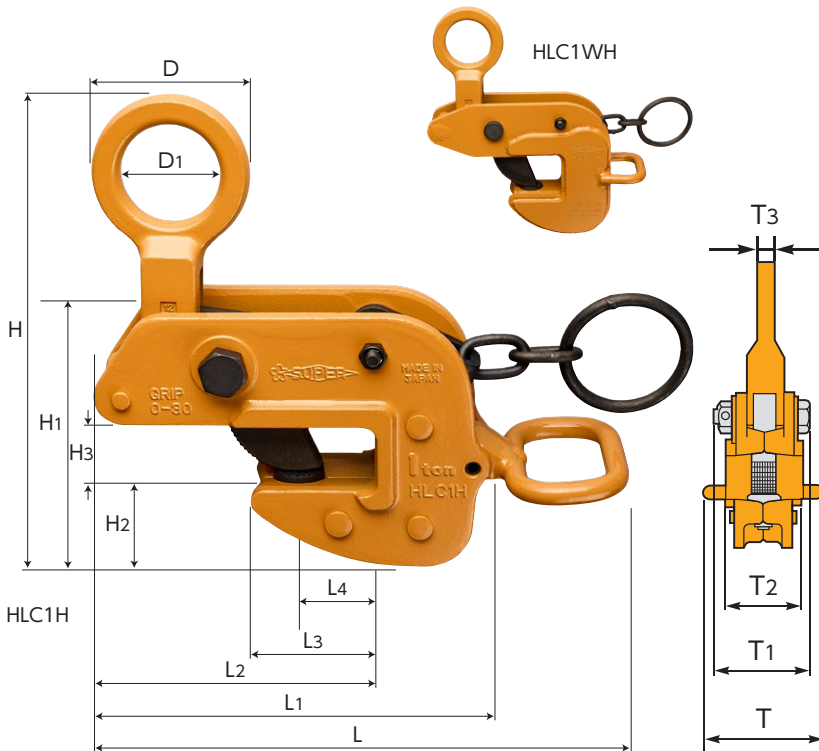


HLC-HN • HLC-WHN

Cam, pad **cross type, fine pitch**



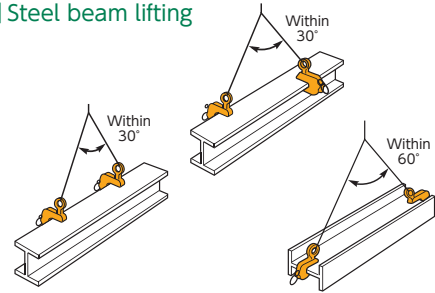
(P=2.0)



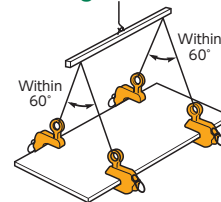
Example of use

⚠ Always lift a load at 2 or more points for safety.

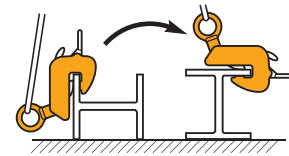
Steel beam lifting



Steel plate lifting



Steel beam turning-over



Features

- For lateral (horizontal) lifting of steel beams for structure (H beam, I beam, T beam, L beam, etc.) and flat steel bars.
- The spring-type tightening lock mechanism assures a positive initial clamp force (lock handle type).
- The handle makes it easy and safe to set and remove the clamp onto and from the load.
- (HLC-HN • HLC-WHN) The Cam & Pad is designed for less biting marks on the load with the fine pitch cross pattern.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)															N.W. (kg)
			L	L1	L2	L3	L4	H (MAX)	H1	H2	H3	D	D1	T	T1	T2	T3	
HLC0.5H	0.5	0~25	229	173	122	56	34	208	115	38	27	65	40	86	65	49	12	3
HLC1H	1	0~30	273	203	143	65	40	246	140	48	32	80	50	104	80	61	16	5.5
* HLC1WH	1	0~40	262	209	151	62	35	270	161	56	43	80	50	100	68	64	16	5.9
HLC2H	2	0~35	307	237	162	74	45	292	168	58	37	100	60	104	93	75	18	9.5
HLC3H	3	0~40	350	270	181	83	50	337	195	68	42	120	70	118	106	87	20	13.5
* HLC3WH	3	25~60	360	303	208	98	65	379	229	77	65	120	70	112	99.5	91	20	19
* HLC5H	5	0~45	372	312	212	90	55	388	222	81	47	140	80	112	110.5	103	22	23
* HLC5WH	5	25~65	407	347	227	105	70	419	245	81	70	140	80	112	110.5	103	22	29
* HLC7H	7	10~70	529	458	328	130	80	525	300	95	75	160	80	124	140	124	25	50
* HLC7WH	7	30~90	529	458	328	130	80	552	320	95	95	160	80	124	140	124	25	52
* HLC10H	10	20~80	553	482	342	134	80	573	335	100	85	160	80	142	166	142	32	70
* HLC10WH	10	40~100	553	482	342	134	80	593	355	100	105	160	80	142	166	142	32	72
HLC0.5HN	0.5	0~25	229	173	122	56	34	208	115	38	27	65	40	86	65	49	12	3
HLC1HN	1	0~30	273	203	143	65	40	246	140	48	32	80	50	104	80	61	16	5.5
* HLC1WHN	1	0~40	262	209	151	62	35	270	161	56	43	80	50	100	68	64	16	5.9

For * marked items, the main body is made of high-tensile steel plates.

- ★ Parts drawings and operation manuals can be downloaded from our website.
- For all the appendix, please refer to P.54 ~56



Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

» Split Jaw Type

HLC-U

LATERAL LIFTING CLAMP

CHECK!

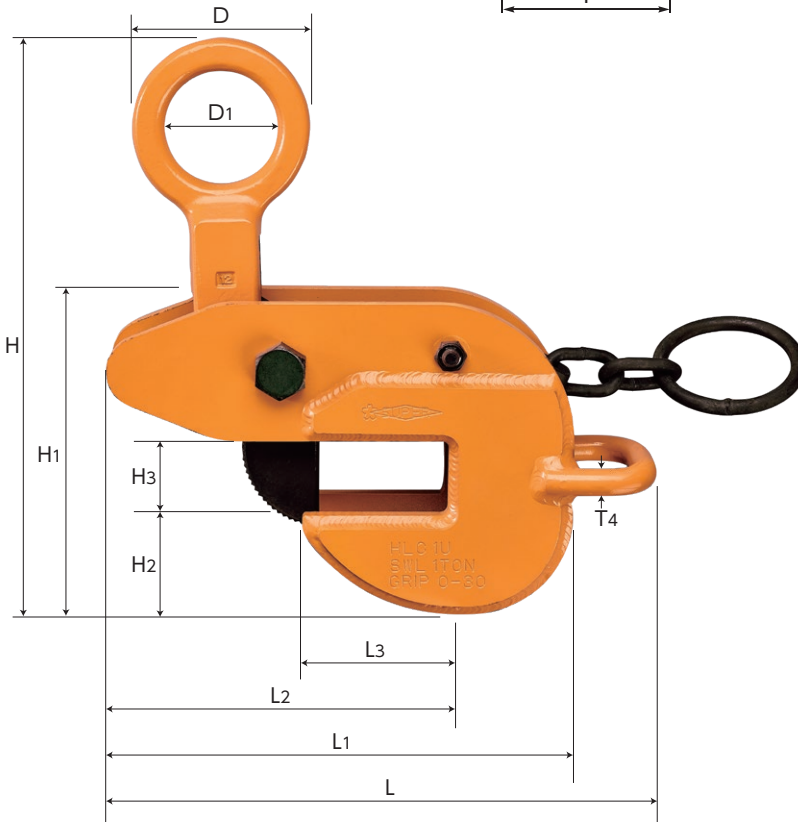
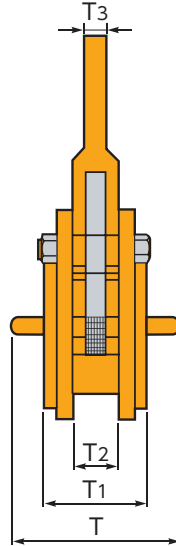


Operation manual & parts drawing

Cam cross type, normal pitch



(P=3.0)

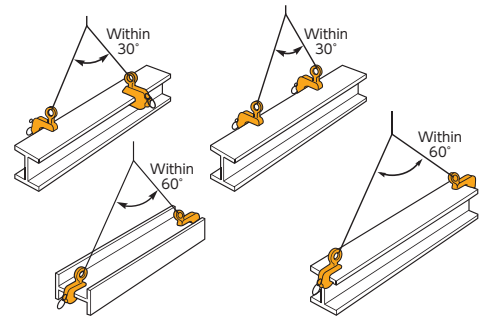


HLC1U

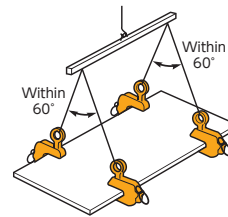
Example of use

Always lift a load at 2 or more points for safety.

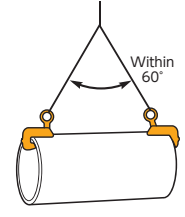
Steel beam lifting



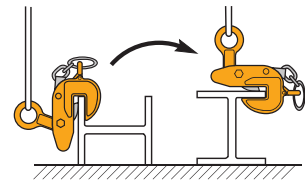
Steel plate lifting



Pipe lifting

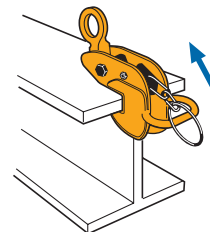


Steel beam turning-over



Features

- For lateral (horizontal) lifting of steel beams for structure (H beam, I beam, T beam, L beam, etc.) and flat steel bars (ideal for clamping at the longer end of the steel beam at 2-point lifting).
- The spring-type tightening lock mechanism assures a positive initial clamp force.
- The handle makes it easy and safe to set and remove the clamp onto and from the load.



As the clamping part is split, this clamp can also be set in the direction shown in the drawing.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)														N.W. (kg)	
			L	L1	L2	L3	H (MAX)	H1	H2	H3	D	D1	T	T1	T2	T3		T4
*HLC0.5U	0.5	0~25	212	170	130	56	208	112	35	28	65	40	84	57	27	12	12	3.2
*HLC1U	1	0~30	250	208	152	65	246	141	46	33	80	50	84	64	34	16	12	5.1
*HLC2U	2	0~35	283	241	173	74	292	171	58	38	100	60	98	80	38	18	12	8.7
*HLC3U	3	0~40	329	273	193	83	337	200	70	43	120	70	112	90	42	20	16	13.5
*HLC5U	5	0~45	370	314	218	90	385	229	86	48	140	80	112	102	46	22	16	21.5

For * marked items, the main body is made of high-tensile steel plates.

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» Convenient for Steel Plate Lifting

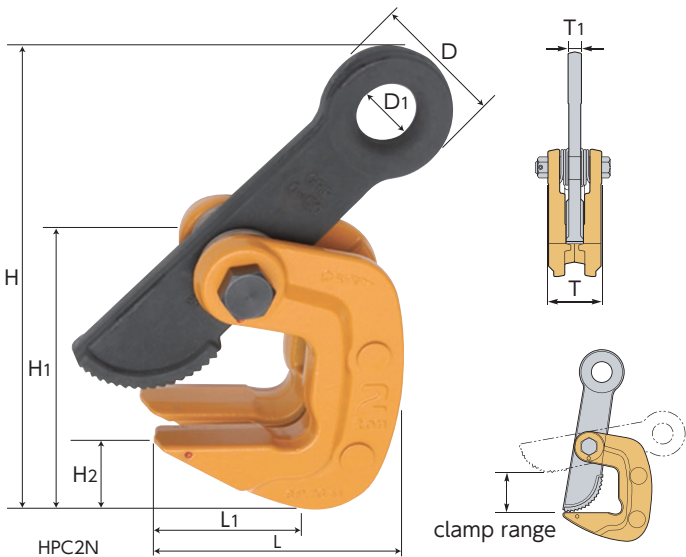
HPC-N

HORIZONTAL LIFTING CLAMP

CHECK!



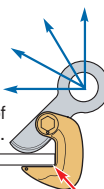
Operation manual & parts drawing



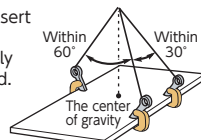
Example of use

⚠ Always lift a load at 2 or more points for safety.

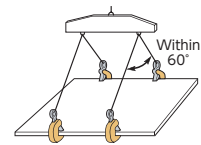
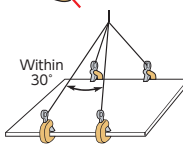
Pull the shackle upward in the direction of the arrows.



Always insert the load completely to the end.



When lifting at 3 points, always lift from above the center of gravity of the load.



When lifting a long load, lift at 4 or more points, and use a balance whenever possible. (for safe operation, the lifting angle of the sling ropes must be kept within the specified angles.)

Features

- For lateral (horizontal) lifting of steel plates, flat steel bars, H beams, etc.
- With the spring mechanism, it is unnecessary to hold the clamp after setting it onto the load. And when the load lands on the floor, the initial clamp force assures that the clamp does not come off.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	H(MAX)	H1	H2	D	D1	T	T1		
HPC0.5N	0.5	0~35	82.5	51.5	170	96.5	25	40	18	40	10	0.9	
HPC1N	1	0~40	98	59	204	117	32	50	23	51	13	1.8	
HPC2N	2	0~50	125	73	268	152.5	33	67	30	67	17	4.0	
HPC3N	3	0~60	150	88	329	181	51	82	36	80	22	6.8	
HPC5N	5	0~80	195	117	415	236	66	101	46	102	28	15	

Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

» Suitable for Various Steel Structures

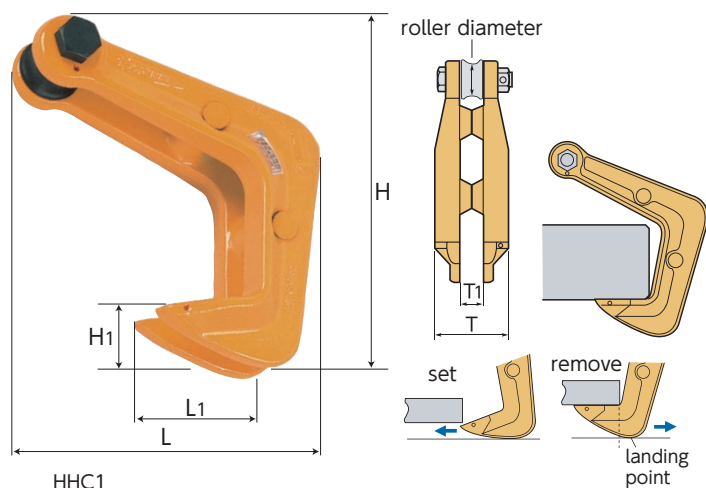
HHC

LIFTING HOOK

CHECK!

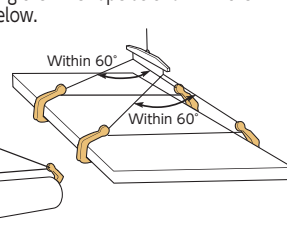
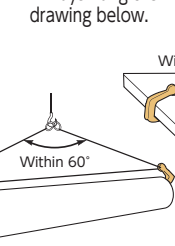
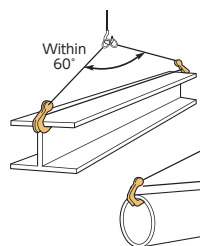


Operation manual & parts drawing



Example of use

⚠ For safety, always use lifting hooks at 4 or more points in opposite positions. For steel beams, and pipes, lift at 2 points positioned at both ends. * Always hang the wire rope as shown in the drawing below.



* Conduct daily inspection to confirm that all parts are functioning properly.

Features

- Ideal for lifting and handling various steel structures.
- The roller at the head of the hook prevents from damaging the wire rope.
- The sharp hook ends enable easy inserting into small clearance.
- The landing point designed slightly outside of the hook makes the remove operation very smooth.

Item No.	Rated capacity (ton)	Max. plate thickness	Size (mm)								N.W. (kg)
			L	L1	H	H1	T	T1	Roller dia.		
HHC0.5	0.5	58	121	42	152	27	63	30	19	1.1	
HHC1	1	65	144	47	178	33	80	40	23.5	2.1	
HHC2	2	80	182	58	223	42	105	54	30	4.5	
HHC3	3	95	215	68	264	49	125	65	35	7.8	
HHC5	5	125	279	90	342	60	160	85	44	16.5	

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

* Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

Compact Type for Beam Lifting

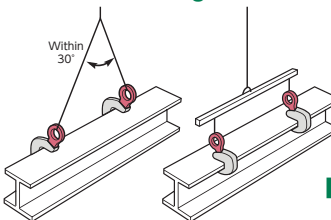
HLC-S • HLC-W

STEEL BEAM LIFTING CLAMP

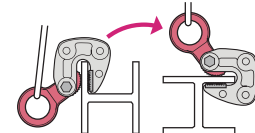


Example of use ⚠ Always lift a load at 2 or more points for safety. Be sure to set clamps from the same direction.

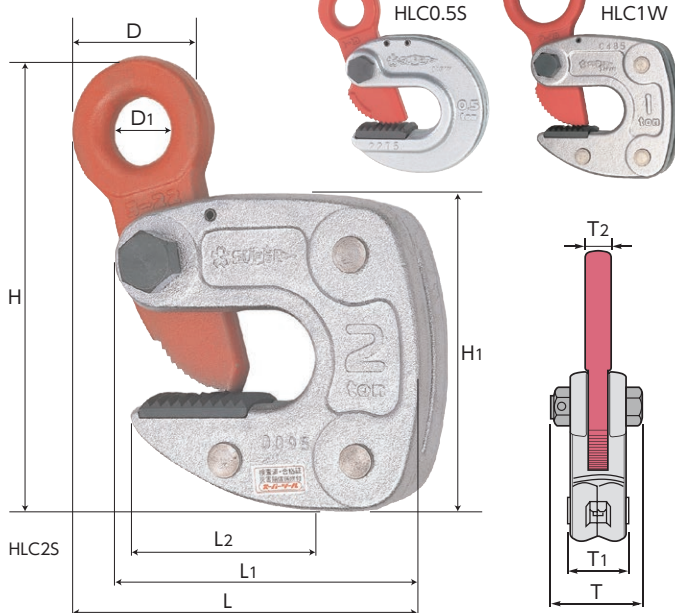
Steel beam lifting



Steel beam turning-over



Cam, pad line type



Features

- Special clamp for lateral lifting of steel structures (H beam, I beam, T beam, L beam, etc.) (light-weight and compact type).
- When lifting a steel beam, it will be almost perfectly horizontal, assuring efficient operability.
- With the spring mechanism, no need to hold the clamp by hand when you set the load. And when the load lands on the floor, the initial clamp force assures that the clamp does not come off.
- The wide diameter shackle of HLC1W allows easy handling operation.
- Light-weight, compact, easy to use and safe.
- The action of the arc-shaped pad provides a stable clamping force.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L (MIN)	L1	L2	H (MAX)	H1	D	D1	T	T1	T2	
HLC0.5S	0.5	1~13	119	100	65	139	97	46	23	48.5	31	14	1.3
HLC1S	1	1~13	108	108	66	152	104	51	23	52	32	14	1.5
HLC1W	1	2~20	152	123	75	188	118	72	46	52	32	14	2.5
HLC2S	2	3~22	143	142	87	199	136	66	30	67	42	18	3.7
HLC3S	3	12~35	192	184	108	263	179	80	36	77	48	22	8.1

Adjustable Span Type

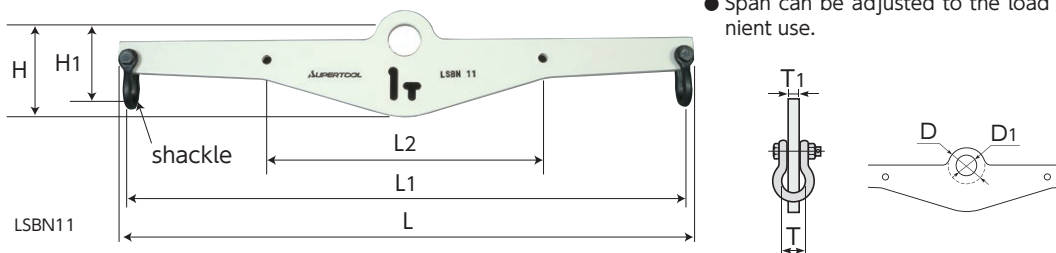
LSBN

BALANCE



Features

- Special balance for lifting long loads.
- New design enabling efficient use of the lifting height (H1 : guaranteed lifting height).
- Span can be adjusted to the load size or length for convenient use.



* Use the item size adapted to the load size or weight.

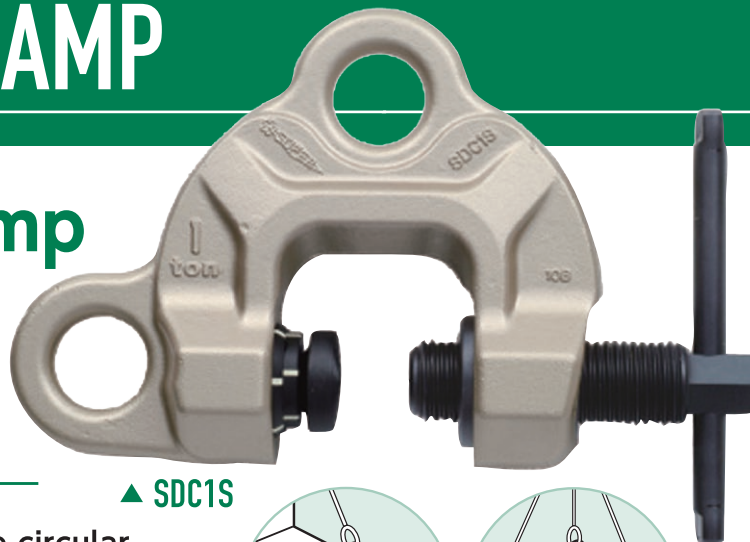
Item No.	Rated capacity (ton)	Size (mm)										Shackle JIS B2801	N.W. (kg)
		L	L1	L2	H	H1	D	D1	T	T1			
LSBN11	1	1,044	1,000	500	170	137	110	60	40	19	BB-14	16	
LSBN11.5		1,544	1,500	1,000	190	137							
LSBN21	2	1,056	1,000	500	210	175	150	80	53	25	BB-18	28	
LSBN22		2,056	2,000	1,500	260	175							
LSBN31	3	1,062	1,000	500	240	199	180	90	58	28	BB-20	36	
LSBN32		2,062	2,000	1,500	300	199							
LSBN51	5	1,080	1,000	500	270	229	210	100	70	36	BB-24	57	
LSBN52		2,080	2,000	1,500	335	229							

* Other rated capacity or span are available upon request.

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

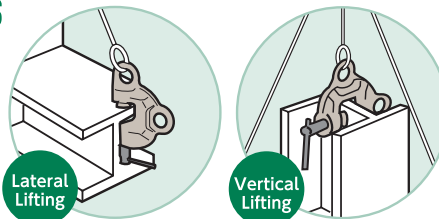
SCREW CAM CLAMP

All-purpose Clamp for Vertical and Lateral Lifting



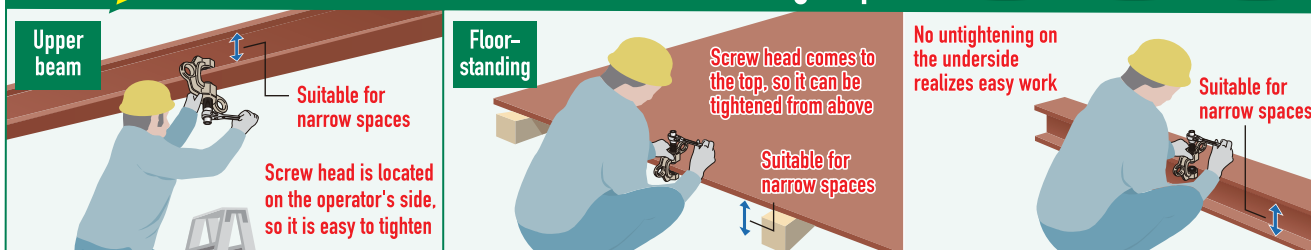
▲ SDC1S

- When a lateral load is applied, the circular cam tilts and grips tightly in proportion to the magnitude of the load.
- The circular cam has the mechanism that always returns to its normal position by the spring force.



Outstanding Point!

SSC-N, SWC-N and SWC-S can be used in tight spaces



Super Tool lifting clamps have been registered with NETIS



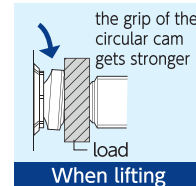
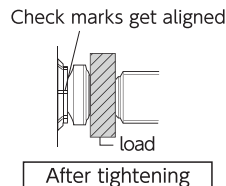
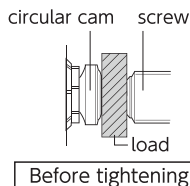
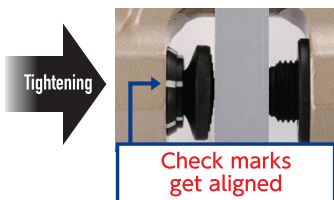
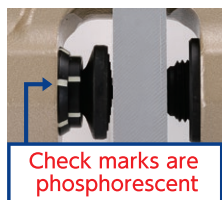
What is NETIS?

NETIS (NEW TECHNOLOGY INFORMATION SYSTEM) is "a database of technologies developed by private companies that anyone can search and use". It is operated by the Japanese Ministry of Land, Infrastructure, Transport and Tourism, and each company applies for its own products and technologies.

Using NETIS-registered technologies has **three advantages**: obtaining additional scoring points when bidding for public works projects*, shortening construction period, and reducing costs. The government promotes using NETIS-registered technologies to make construction more efficient.

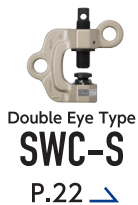
*If a contractor proposes the use of new technology in the Trial Application Type (the proposal is made after the contract is signed) or the Contractor Selection Type, and the technology is used in a construction project, points are awarded in the construction performance evaluation according to effectiveness of use.

Safe and secure structure that allows confirmation of tightening With Twist Cam Mechanism



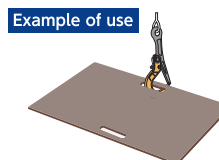
Applicable Products

Registration Date Twist Cam 2021.09.09
NETIS Registration No.: KK-210036-A



This product is also registered with NETIS

Registration Date Open/Close Lock Type 2022.12.10
NETIS Registration No.: KK-210076-A



MOVIE



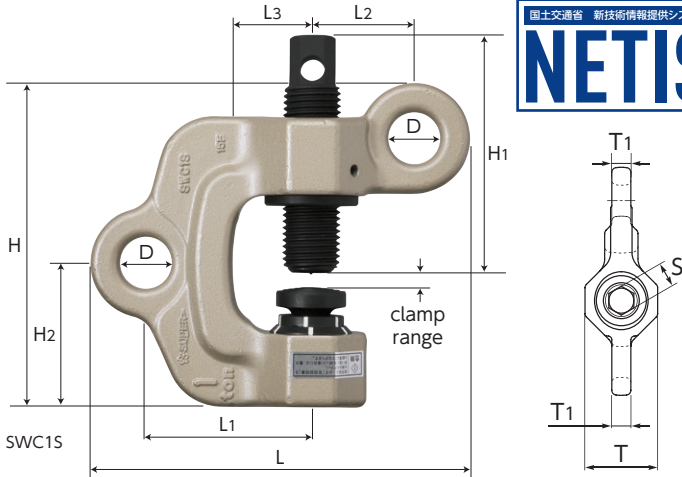
- Safe and efficient operation by the open/close lock

* Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

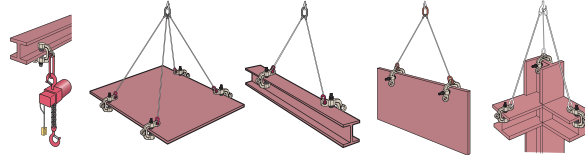
Original Twist Cam System

SWC-S

SCREW CAM CLAMP (Double Eye Type)
Twist Cam Type PAT.



Example of use ⚠ Always lift a load at 2 or more points for safety.
In case of lifting down, cannot be set to slanted-shape part such as steel I beams.



*Common to all the screw cam clamps (SCC, SCC-W, SDC-S, SJC-S, SDC-N, SDC-WN, SJC, SUC, SWC-N, SSC-N, SWC-S).

● The clamp cannot be used for the load shapes described below.

DO NOT USE

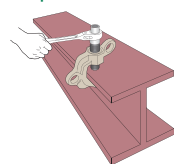
- * Even with wedge shape under 8°, the clamp cannot be used if the clamp part has a taper in the lifting direction.
- Wedge shape over 8°
- Round bars
- Curved shape with radius under 300mm
- Objects with uneven clamp part
- Cylinders with inner diameter under 600mm

Accessories ● 17x21 Double Size Ratchet Wrench (Short Type)

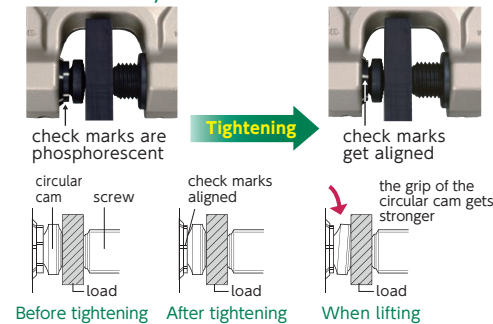
Features

- All-purpose clamp that can be used for a variety of operations such as lifting up and down, lateral pulling and turning over.
- Adequacy of tightening can be visually confirmed by secure and safe structure of the twist cam.
- When used in horizontal lifting, the screw is placed on top (operator's side), so the tightening operation can be done easily (when installing underneath a beam, the tightening can be done on the operator's side).
- The tightening mechanism with a screw and a circular cam (special spring type) provides sure clamping force on a load even when the load is landed or when vibrations occur during the lifting operation.
- The tightening check marks have phosphorescent (glow in the dark) paint for easy visual recognition.

Tightening operation



Visual safety check



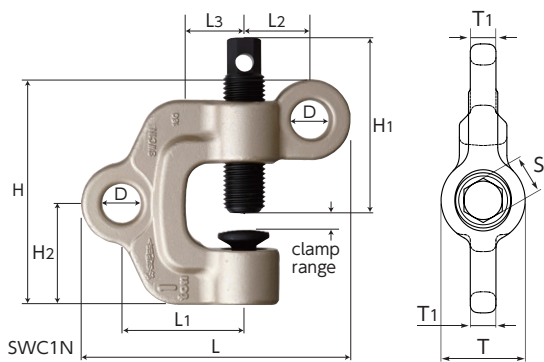
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)											N.W. (kg)
			L	L1	L2	L3	H	H1	H2	D	T	T1	S	
SWC0.5S	0.5	0~25	151.5	63	43.5	30	130	88	57.5	22	50	14	17	1.9
SWC1S	1	0~40	191.5	84	51.5	40	164	120	72.5	26	61	16	21	3.5
SWC2S	2	0~40	224.0	94	62.0	40	184	129	79.0	32	77	18	21	5.8

Note : After having checked that the check marks are aligned, operate tightening over 25N·m (approx. 250kgf·cm).

Normal Type

SWC-N

SCREW CAM CLAMP (Double Eye Type) PAT.



Example of use · Features

* The features (except the twist cam with check marks) and the examples of use are the same as SWC-S.

Accessories

● 17x21 Double Size Ratchet Wrench (Short Type)

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)											N.W. (kg)
			L	L1	L2	L3	H	H1	H2	D	T	T1	S	
SWC0.5N	0.5	0~25	147	63	39	30	122	89	45	22	46	14	21	1.8
SWC1N	1	0~40	185	84	45	40	156	121	58.5	26	50	16	21	3.2
SWC2N	2	0~40	215	94	53	40	170	121	63.5	32	60	18	21	5.0

Note : For the torque value of the screw tightening, operate tightening over 25N·m (approx. 250kgf·cm).

» Original Twist Cam System

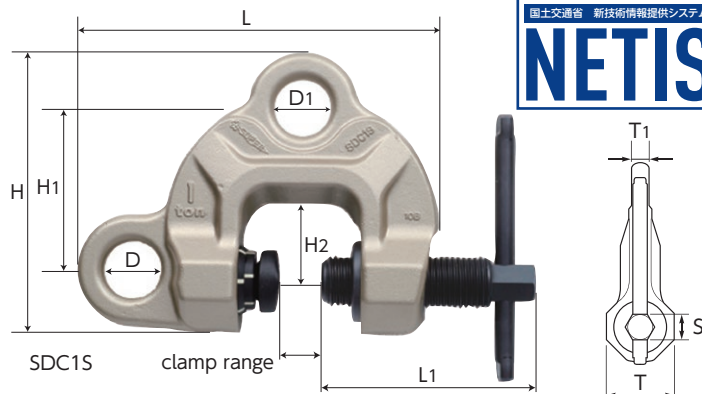
SDC-S

SCREW CAM CLAMP (Double Eye Type)
Twist Cam Type PAT.

CHECK!

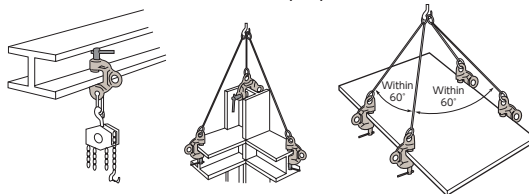


Operation manual, parts drawing and movie

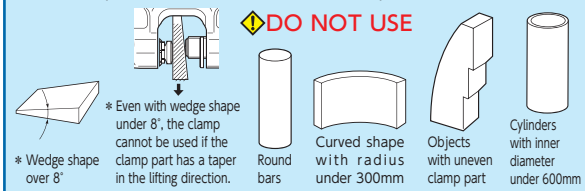


Example of use

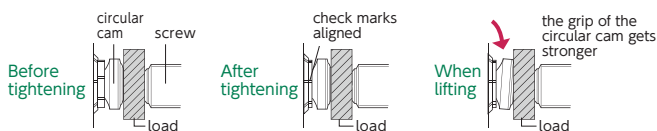
⚠ Always lift a load at 2 or more points for safety.
In case of lifting down, cannot be set to slanted-shape part such as steel I beams.



*Common to all the screw cam clamps (SCC, SCC-W, SDC-S, SJC-S, SDC-N, SDC-WN, SJC, SUC, SWC-N, SSC-N, SWC-S).
● The clamp cannot be used for the load shapes described below.



Visual safety check



Features

- All-purpose clamp that can be used for a variety of operations such as lifting up and down, lateral pulling and turning over.
- Adequacy of tightening can be visually confirmed by secure and safe structure of the twist cam.
- The tightening mechanism with a screw and a circular cam (special spring type) provides sure clamping force on a load even when the load is landed or when vibrations occur during the lifting operation.
- The tightening check marks have phosphorescent (glow in the dark) paint for easy visual recognition.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	H	H1	H2	D	D1	T	T1	S	
SDC0.5S	0.5	0~25	158	89	121	71.5	30	27	27	46	13	17	1.9
SDC1S	1	0~40	208	121	161	94	45	32	32	54	14	21	3.6
SDC2S	2	0~40	227	121	177	105	45	36	32	60	18	21	4.8
SDC3.2S	3.2	0~40	252	136	196	118.5	50	45	35	64	20	21	7
SDC6.3S	6.3	0~50	291	152	225	132	55	50	41	90	43	21	16

Note : After having checked that the check marks are aligned, operate tightening over 25N·m (approx. 250kgf·cm).

» Normal Type

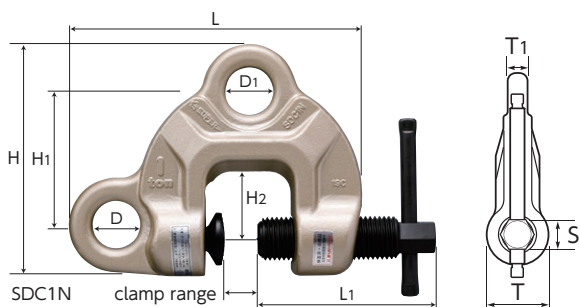
SDC-N・SDC-WN

SCREW CAM CLAMP (Double Eye Type)

CHECK!



Operation manual & parts drawing



Example of use・Features

* The features (except the twist cam with check marks) and the examples of use are the same as SDC-S.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	H	H1	H2	D	D1	T	T1	S	
SDC0.5N	0.5	0~25	145.5	89	119	68.5	30	27	27	46	15	21	2.0
SDC1N	1	0~40	199	121	157	90	45	32	32	50	16	21	3.4
SDC1.5WN	1.5	10~50	214	121	164	96	45	36	32	50	18	21	6.0
SDC2N	2	0~40	215	121	168.5	96	45	36	32	55	19	21	4.5
SDC3N	3	0~40	236.5	136	180.5	103	50	45	35	60	20	21	5.9
SDC3WN	3	35~75	269.5	136	190.5	113	50	45	35	60	20	21	7.8
SDC5N	5	0~50	270	152	215	123	55	50	37	80	43	21	13.3

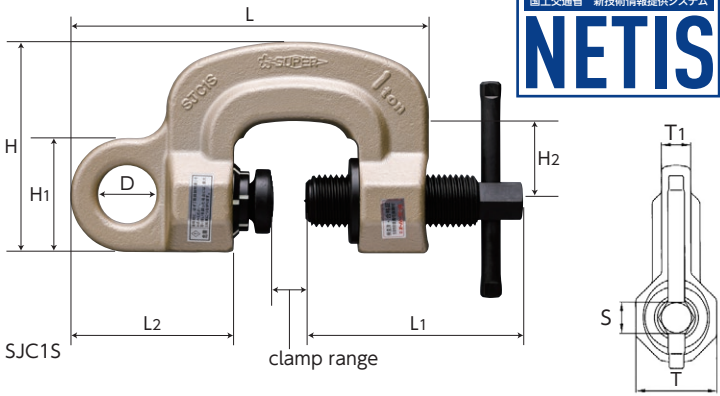
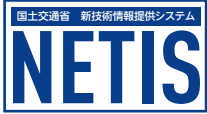
Note : For the torque value of the screw tightening, operate tightening over 25N·m (approx. 250kgf·cm).

* Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» Original Twist Cam System

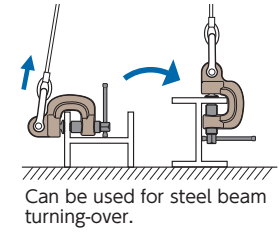
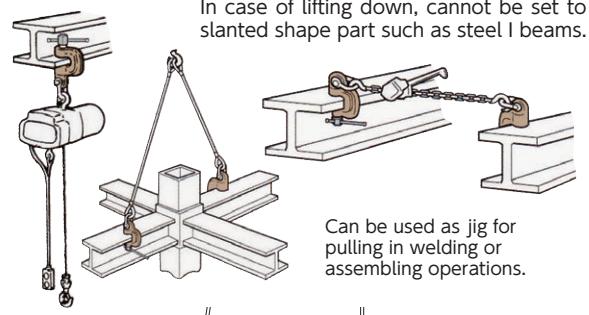
SJC-S

SCREW CAM CLAMP (Single Eye Type)
Twist Cam Type PAT.

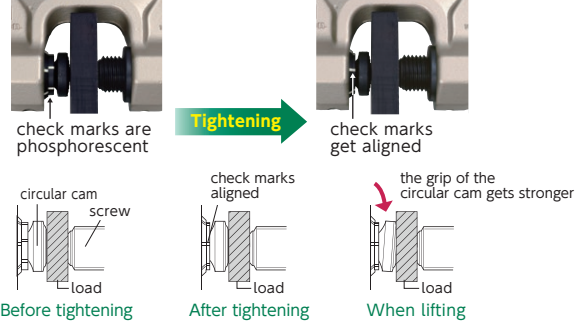


Example of use

Always lift a load at 2 or more points for safety.
In case of lifting down, cannot be set to slanted shape part such as steel I beams.



Visual safety check



Features

- All-purpose clamp that is especially ideal as lifting piece for chain blocks or hoists.
- The tightening mechanism with a screw and a circular cam (special spring type) provides sure clamping force on a load even when the load is landed or when vibrations occur during the lifting operation.
- High frequency quenching of special alloy steel gives greater toughness and durability.
- The main body has a champagne gold baked-on finish.
- The tightening check marks have phosphorescent (glow in the dark) paint for easy visual recognition.

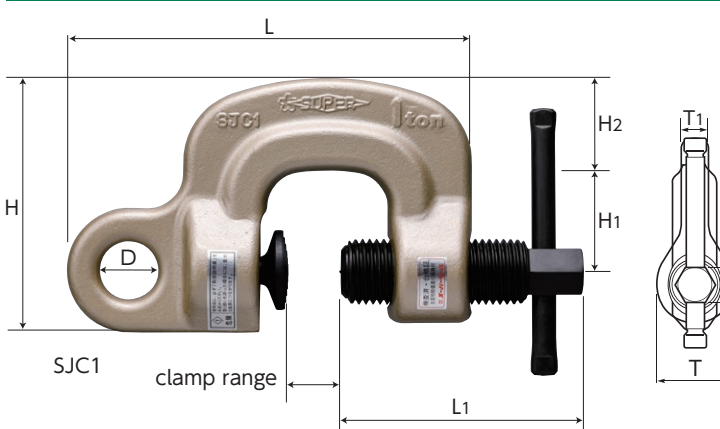
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	L2	H	H1	H2	D	T	T1	S	
SJC0.5S	0.5	0~25	158	89	74	107.5	49	45	27	44	16	17	1.7
SJC1S	1	0~40	200	121	91	118.5	64	45	32	52	18	21	3.0

Note : After having checked that the check marks are aligned, operate tightening over 25N·m (approx. 250kgf·cm).

» Normal Type

SJC

SCREW CAM CLAMP (Single Eye Type)



Example of use · Features

* The features (except the twist cam with check marks) and the examples of use are the same as SJC-S.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)									N.W. (kg)
			L	L1	H	H1	H2	D	T	T1	S	
SJC0.5	0.5	0~25	147.5	89	102.5	45	35	22	40	14	21	1.6
SJC1	1	0~40	182	109	115	45	42	26	46	16	21	2.6
SJC2	2	0~40	195	121	137	45	57	36	55	25	21	3.8
SJC3	3	0~40	219.5	136	155	50	65	45	60	30	21	4.8

Note : For the torque value of the screw tightening, operate tightening over 25N·m (approx. 250kgf·cm).

» Easy Tightening for Hanging Operation

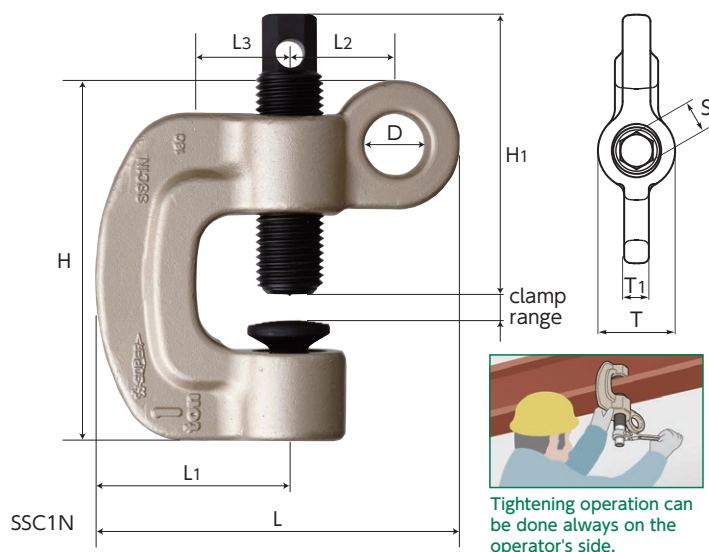
SSC-N

SCREW CAM CLAMP (Single Eye Type) PAT.

CHECK!

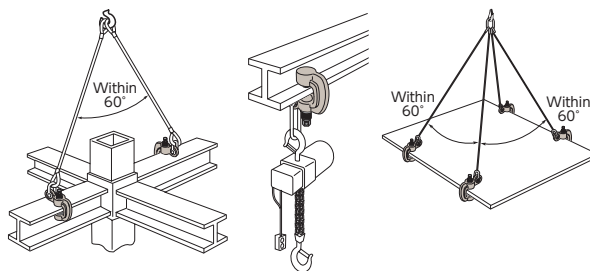


Operation manual & parts drawing



Example of use

⚠ Always lift a load at 2 or more points for safety.



Accessories

- 17x21 Double Size Ratchet Wrench (Short Type)

Features

- Ideal clamp for lifting up and down, and especially suitable as lifting piece for chain blocks or hoists.
- When used in horizontal lifting, the screw is placed on top (operator's side), so the tightening operation can be done easily (when installing underneath a beam, the tightening can be done on the operator's side).
- The circular cam has a mechanism with a spring making it always return to its original position.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	L2	L3	H	H1	D	T	T1	S	
SSC0.5N	0.5	0~25	129.5	68	39	30	122	89	22	46	16	21	1.8
SSC1N	1	0~40	161	88	45	40	156	121	26	50	18	21	3.2
SSC2N	2	0~40	186	100	53	40	170	121	32	60	28	21	5.0

Note : For the torque value of the screw tightening, operate tightening over 25N·m (approx. 250kgf·cm).

» Universal Shackle Type

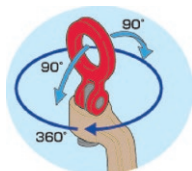
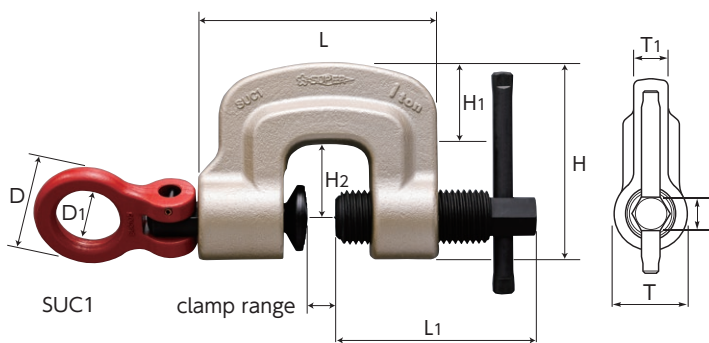
SUC

SCREW CAM CLAMP PAT.

CHECK!



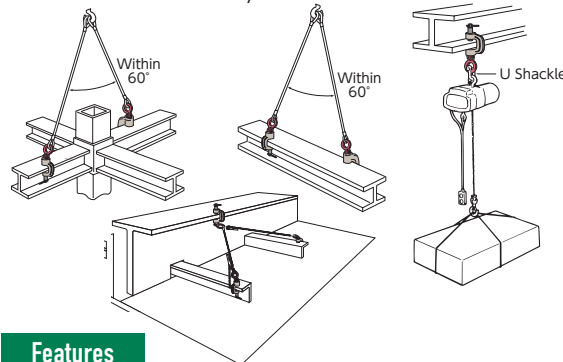
Operation manual & parts drawing



※Using in the 90 degrees direction is only for pull operation. Lift up operation must be within in 30 degrees.

Example of use

⚠ Always lift a load at 2 or more points for safety.



Features

- The shackle turns at 360° in all lifting or pulling directions, enabling a stable lifting angle and a wide range for pulling operations.
- The screw and the circular cam provide sure clamping force.
- The cam tilts and the clamping force increases in proportion to the load weight in the lateral direction.
- The circular cam has a mechanism with a spring making it always return to its original position.

Applications

- Ideal for lifting, horizontal pulling and turning-over of steel plates and steel beams in industries like civil engineering, construction, shipbuilding, can manufacturing industry.
- Also most suitable as light-weight and compact type for lifting down chain blocks or hoists as a jig, or horizontally pulling structural steel.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)	
			L	L1	H	H1	H2	D	D1	T	T1	S		
SUC0.5	0.5	0~25	119.5	89	91	38	30		60	35	46	22	21	2.4
SUC1	1	0~30	129.5	109	108	45	40		75	45	50	26	21	3.7
SUC1.6	1.6	0~30	132.5	136	110	55	45		80	50	60	30	21	6.0
SUC3.2	3.2	0~40	165	136	130	55	45		80	50	60	30	21	6.0

Note : For the torque value of the screw tightening, operate tightening over 25N·m (approx. 250kgf·cm).

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

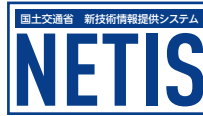
Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

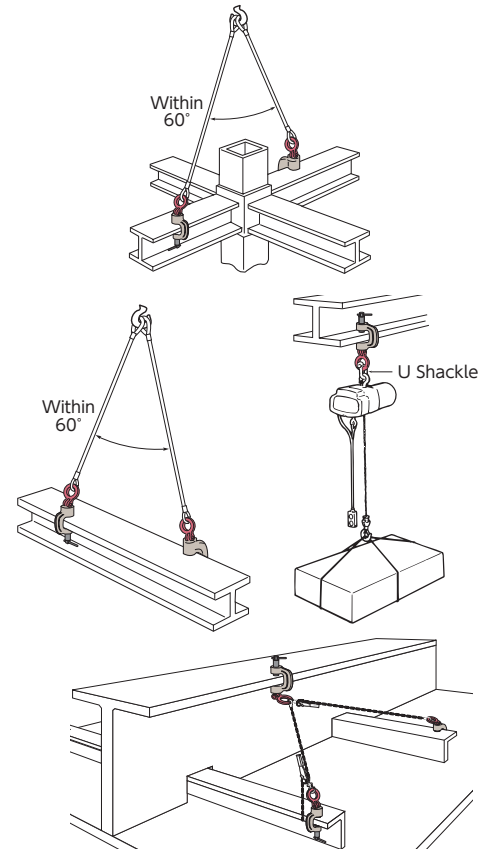
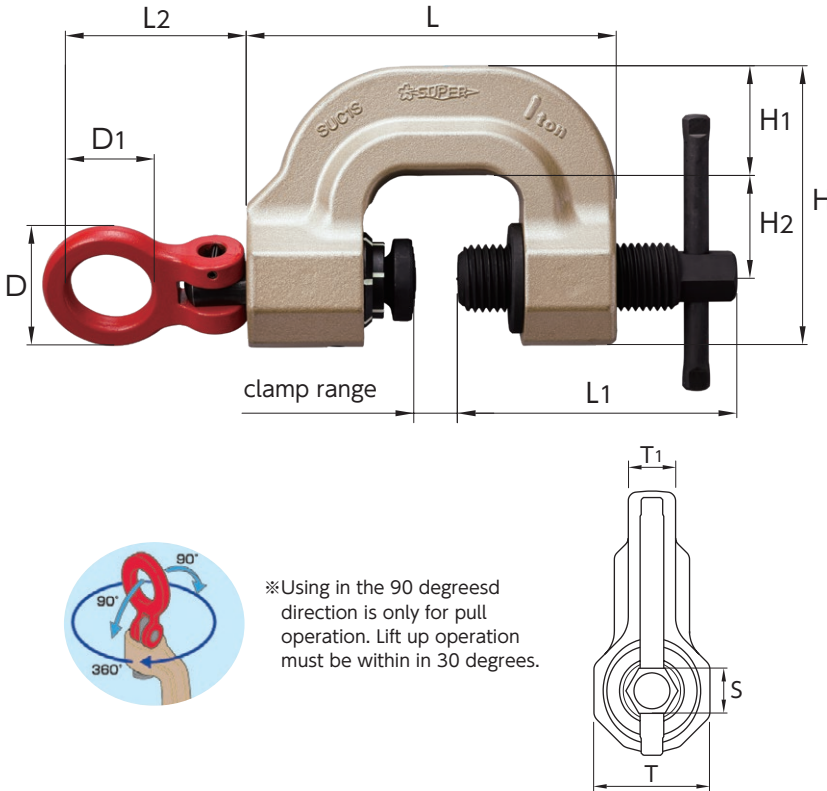
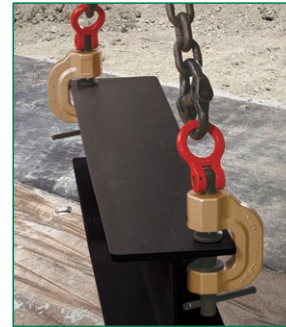
» Original Twist Cam System with Universal Shackle

NEW SUC-S

SCREW CAM CLAMP Twist Cam Type PAT.

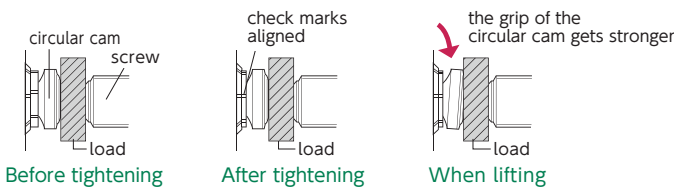
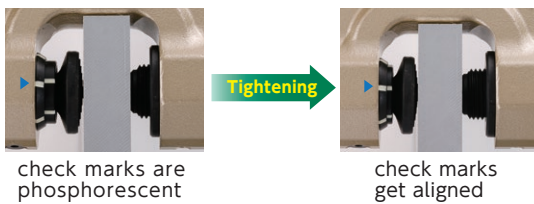


Example of use ⚠ Always lift a load at 2 or more points for safety.



Visual safety check

Safe and secure mechanism that allows tightening check
With Twist Cam Mechanism



Features

- The shackle turns at 360° in all lifting or pulling directions, enabling a stable lifting angle and a wide range for pulling operations.
- The screw and the circular cam provide sure clamping force.
- The cam tilts and the clamping force increases in proportion to the load weight in the lateral direction.
- The circular cam has a mechanism with a spring making it always return to its original position.

Applications

- Ideal for lifting, horizontal pulling and turning-over of steel plates and steel beams in industries like civil engineering, construction, shipbuilding, can manufacturing industry.
- Also most suitable as light-weight and compact type for lifting down chain blocks or hoists as a jig, or horizontally pulling structural steel.

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)	
			L	L1	L2	H	H1	H2	D	D1	T	T1		S
SUC0.5S	0.5	0~25	125	89	78	93	38	30	60	35	46	22	21	2.5
SUC1S	1	0~40	160	121	78	122	48	45	60	35	54	22	21	4.2

Note : For the torque value of the screw tightening, operate tightening over 25N·m (approx. 250kgf·cm).

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

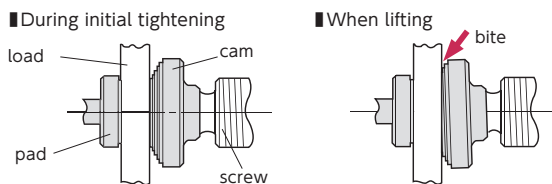
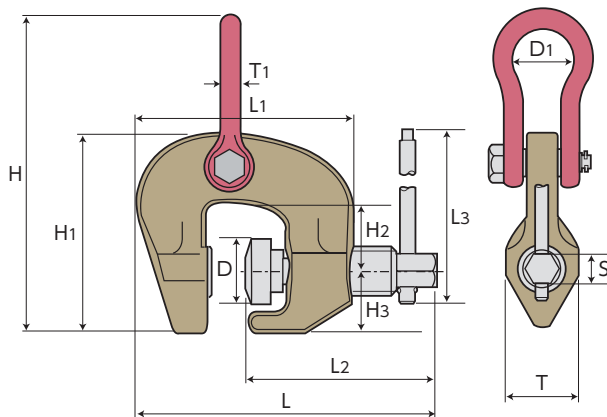
SCC • SCC-W

SCREW CAM CLAMP (All-purpose Type)

CHECK!



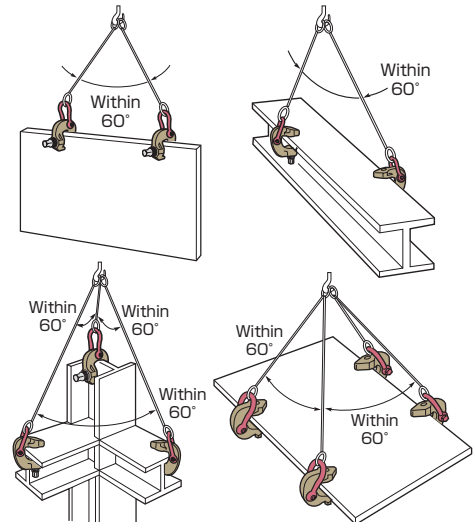
Operation manual & parts drawing



As an anti-vibration type clamp, the cam bites harder and the clamping force gets stronger in proportion of the load weight.

Example of use

⚠ Always lift a load at 2 or more points for safety.



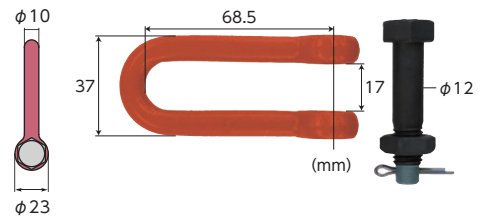
*SCC0.5 and SCC-W(Wide Type) can be used only for vertical lifting, and use for lateral lifting is prohibited. SCC0.5 can be used for lateral lifting only by using a long shackle for SCC0.5 (sold separately).

Features

- Simple all-purpose clamp showing its great power especially for lifting steel materials with complicated shapes (spherical plate, curved plate, etc.).
- Ideal for lifting, pulling operations.
- The tightening mechanism with a screw cam (universal spherical type) provides sure clamping force on a load even when the load is landed.
- The cam and the pad can be easily replaced.
- During lifting, the cam tilts in accordance with the load weight, the cam teeth bite harder into the load and the clamping force increases.

PARTS

Long Shackle for SCC0.5



Item No.

SCH0.5L

Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)													N.W. (kg)
			L (MIN)	L1	L2	L3	H	H1	H2	H3	D	D1	T	T1	S	
SCC0.3W	0.3	50~100	196	176	116	75	155	91	35	16	26	17	32	10	14	1.3
SCC0.5	0.5	0~28	126	104	92	60	113	76	26.5	16	26	17	30	10	14	0.8
SCC1	1	0~30	175	148	126	190	204	128	45	38	42	38	46	12	21	3.2
SCC1W	1	50~100	258	225	153	190	273	190	88	38	42	45	46	16	21	6
SCC1.5	1.5	0~32	187	154	135	190	229	143	52	39	42	45	46	16	21	4
SCC3	3	0~50	224	190	165	240	265	165	60	45	49	50	54	19	21	6
SCC3W	3	25~75	250	215	165	240	291	191	76	45	49	50	54	19	21	7.8
SCC6	6	0~75	291	255	215	240	365	214	76	54	63	80	69	31.5	21	18

Note : For the torque value of the screw tightening, operate tightening over 35N·m (approx. 350kgf·cm) [for SCC0.3W and SCC0.5, over 5N·m (approx. 50kgf·cm)]

- ★ Parts drawings and operation manuals can be downloaded from our website.
- For all the appendix, please refer to P.54 ~56

» Compact Jaw Type for Narrow Spaces

SBN

BEAM CLAMP

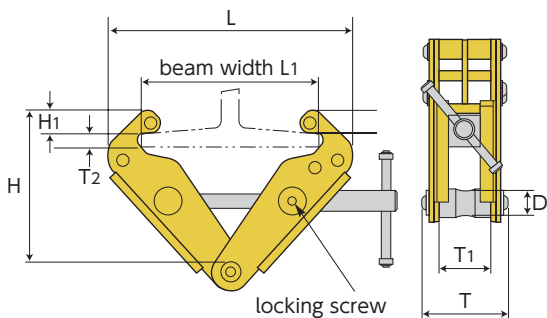
CHECK!



Operation manual & parts drawing



SBN1



Example of use



Features

- Lifting piece for chain blocks or hoists.
- Ideal for being fixed to H or I beam, and hanging a chain block or a wheel.
- Suitable as a connecting clamp to beams in various sites like factories and construction sites.
- Can be easily fixed or removed just by tightening or loosening the screw.
- The head part (H1) is small, to fit conveniently even in narrow spaces.
- For permanent fixing or fixing in a place with vibrations, tighten the locking screw on the side of the clamp with a hex key wrench to prevent main screw loosening.

Item No.	Rated capacity (ton)	Size (mm)								N.W. (kg)
		Applicable beam width L1	Applicable beam thickness T2	L	H(MAX)	H1	D	T	T1	
SBN1	1	75~230	9~25	300	191	26	20	77	46	4.8
SBN2	2	75~230	9~25	304	191	26	20	97	58	6.2
SBN3	3	80~320	10~35	425	265	26~41	32	117	69	12.6
SBN5	5	90~320	10~35	425	265	32~41	32	125	69	14.3

» Standard Type

SBN-E

BEAM CLAMP

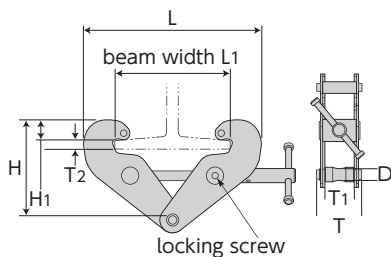
CHECK!



Operation manual & parts drawing



SBN1E



Example of use



Features

- Lifting piece for chain blocks or hoists.
- Ideal for being fixed to H or I beam, and hanging a chain block or a wheel.
- Suitable as a connecting clamp to beams in various sites like factories and construction sites.
- Can be easily fixed or removed just by tightening or loosening the screw.
- For permanent fixing or fixing in a place with vibrations, tighten the locking screw on the side of the clamp with a hex key wrench to prevent main screw loosening.

Item No.	Rated capacity (ton)	Size (mm)								N.W. (kg)
		Applicable beam width L1	Applicable beam thickness T2	L	H(MAX)	H1	D	T	T1	
SBN1E	1	75~230	8~20	350	198	32~48	20	84	50	3.8
SBN2E	2	75~230	8~20	350	200	32~50	20	94	50	4.6
SBN3E	3	80~320	10~32	451	285	42~60	22	122	70	9.2
SBN5E	5	90~320	10~32	451	285	42~60	28	129	70	11

» For Road Plates

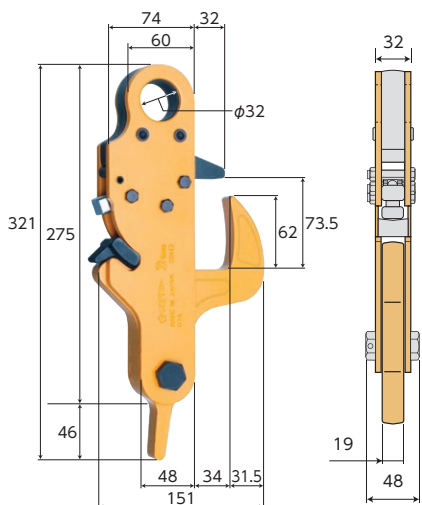
SDH3

SUPER FOOT LOCK

CHECK!



Operation manual, parts drawing and movie



Example of use

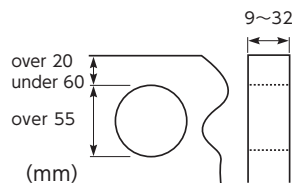
Setting



Lifting

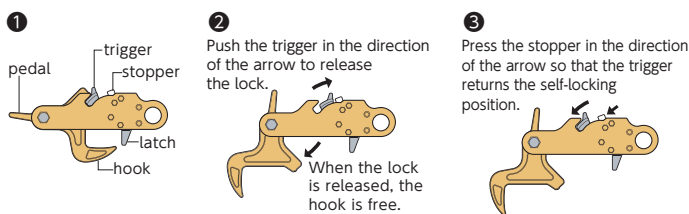


Extracting



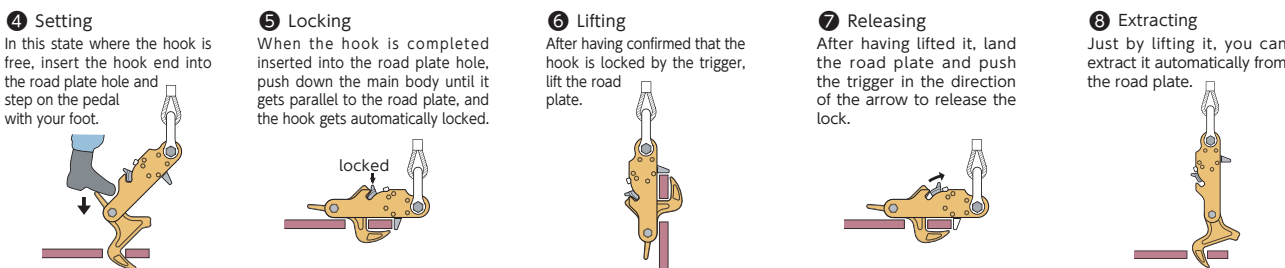
⚠ The applicable road plate thickness and hole dimensions shall be within the ranges of the drawing.

How to use (extraction type)



Features

- Hook dedicated to road plates (extraction type).
- Ideal for laying and removing road plates.
- You can easily remove the hook just by lifting it when the lock is released.



Item No.	Rated capacity(ton)	N.W.(kg)
SDH3	3	3.8

» For Road Decking Panels

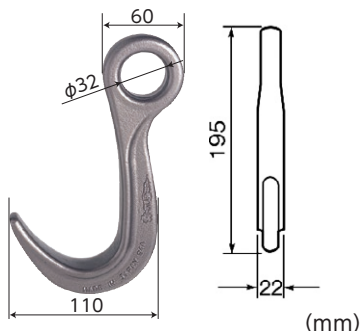
FKH1

LIFTING HOOK

CHECK!

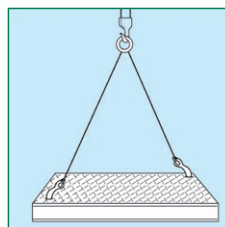


PDF of Catalogue



Example of use

⚠ Always lift a load at 2 or more points for safety.



Features

- Hook dedicated to road decking panels.
- Ideal for lifting and installing road decking panels.
- Light weight and simple design for easy operation.

Item No.	Rated capacity(ton)	N.W. (kg)
FKH1	1	0.95

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

» Automatic Releasing System

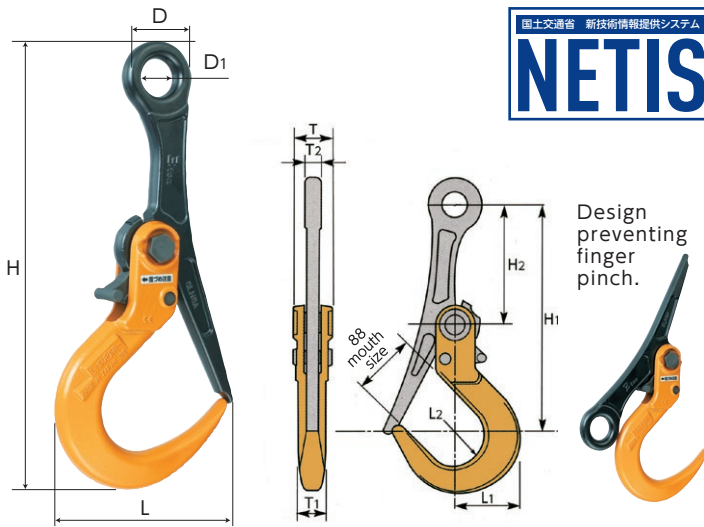
SLH3A

SUPER LOCK HOOK (Open / Close Lock Type)

CHECK!

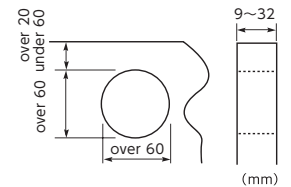
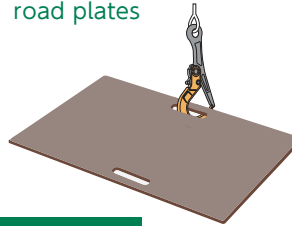


PDF of Catalogue



Example of use

Laying and removing road plates



⚠ The applicable road plate thickness and hole dimensions shall be within the ranges of the drawing and the chart.

Features

- During lifting, the close lock is automatically set so that the load can be lifted safely without coming off.
- When removing the hook, as a lever enables to set an open lock, removing the hook from works like a crane for instance is very easy.
- The hook mouth opens widely, making load set or remove operation very simple.

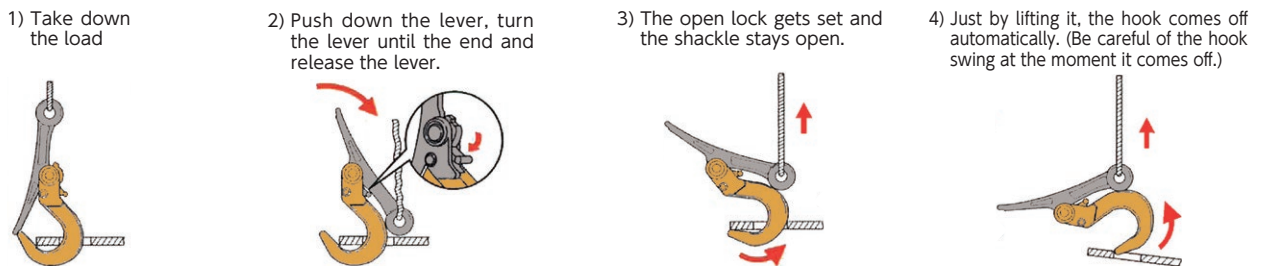
Turning the shackle and close the mouth will lock the hook automatically.

When lifting in this position, the shackle turns only to the closing direction.

State with the open lock set.



Open lock mechanism

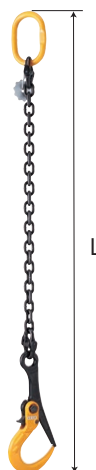


Item No.	Rated capacity (ton)	Size (mm)											N.W. (kg)
		L	L1	H	H1	H2	D	D1	R	T	T1	T2	
SLH3A	3	169	78	383	280	145	64	32	38	54	33	18	3.8

» For Extra Safety

SLH3AC

SUPER LOCK HOOK WITH CHAIN SLING (Open / Close Lock Type)



Features

- Chain slings can be used safely for a longer time than wire ropes.
- Including a tag showing the serial number and the rated capacity for control.
- When removing the hook, as a lever enables to set an open lock, removing the hook from works like a crane for instance is very easy.

Size of master link

- Inner diameter: 70×140 mm
- Wire diameter of master link: φ19mm



Item No.	Rated capacity (ton)	Set details		L (mm)	N.W. (kg)
		Super lock hook item No.	Chain item No.		
SLH3AC	3	SLH3A	CSC31	1,391	7.3

Normal Type

SLH-N

SUPER LOCK HOOK

CHECK!

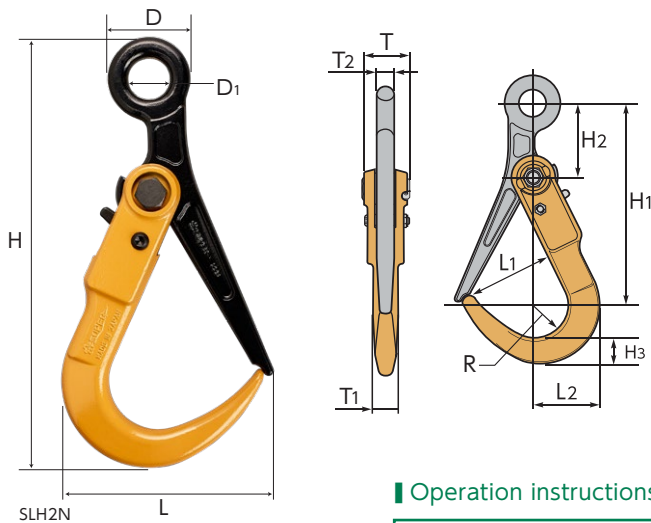
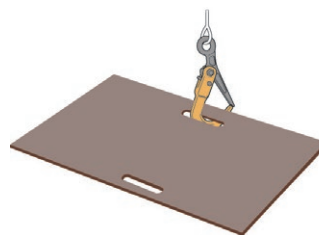


Operation manual & parts drawing

Example of use

Laying and removing road plates

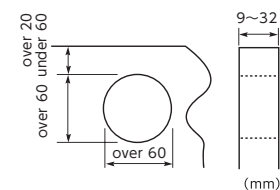
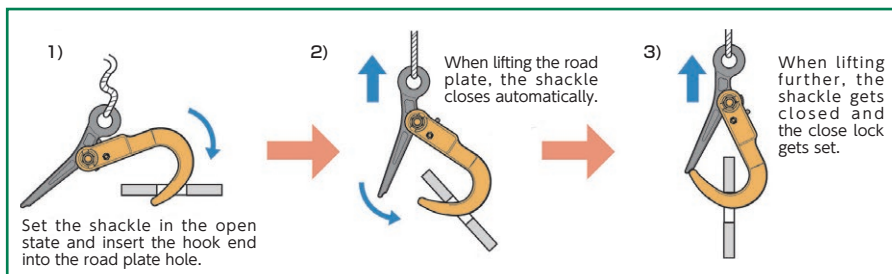
As a safety hook for direct lifting



Features

- Ideal for laying or removing road plates and for lifting wire ropes and sling belts.
- The hook mouth opens widely, making load set or remove operation very simple.
- During lifting, the close lock is automatically set so that the load can be lifted safely without coming off.

Operation instructions for lifting a road plate



⚠ The applicable road plate thickness and hole dimensions shall be within the ranges of the drawing and the chart.

Item No.	Rated capacity (ton)	Size (mm)													N.W. (kg)
		L	L1	L2	H	H1	H2	H3	D	D1	R	T	T1	T2	
SLH1N	1	140	80	65	298	210	80	28	56	24	32	48	28	16	2.5
SLH2N	2	166	105	75	336	236	89	30	64	32	38	54	29	18	3.2
SLH3N	3	169	105	78	339	236	89	33	64	32	38	54	31	18	3.4

For Extra Safety

SLH-NC

SUPER LOCK HOOK WITH CHAIN SLING

Features

- Chain slings can be used safely for a longer time than wire ropes.
- Including a tag showing the serial number and the rated capacity for control.

Size of master link

- Inner diameter: 70×140 mm
- Wire diameter of master link: φ19mm



Item No.	Rated capacity (ton)	Set details		L (mm)	N.W. (kg)
		Super lock hook item No.	Chain item No.		
SLH2NC	2	SLH2N	CSC31	1,344	6.7
SLH3NC	3	SLH3N	CSC31	1,347	6.9

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

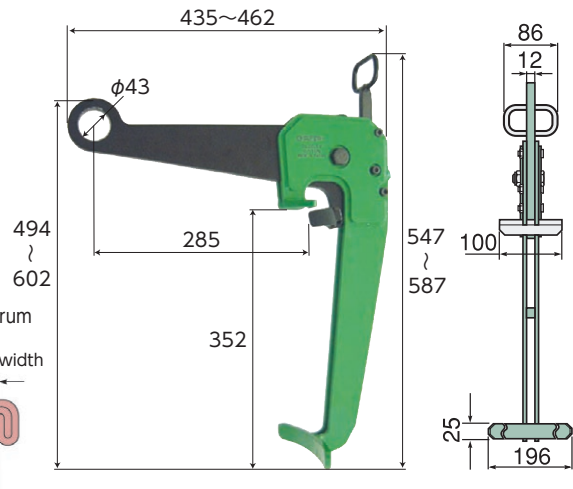
Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

» Stable Lifting for Drums

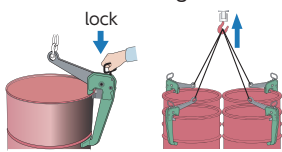
DLC0.5V

DRUM LIFT CLAMP (Vertical Lifting)



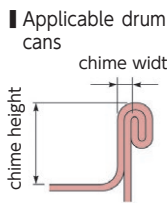
Example of use

⚠ You cannot lift a drum can with no lid. Don't use for turning over a drum can.



Features

- Clamp dedicated to vertical lifting of drum cans.
- Easy operation with firm locking (by wedge method).
- You can safely lift a drum can vertically.
- Easy to lock by pushing and pulling the handle.
- The lifting ring diameter is large enough to be hooked directly.



Applicable drum cans
JIS Z1601 type : H class and M class (with 600mmφ lid) and drum cans with lid of 500 to 700mm in diameter, with chime thickness of 2 to 3.5mm and chime height of 22 to 28mm (lifting is vertical only for 600mmφ lid).

Item No.	Rated capacity (ton)	Clamp range (mm)	N.W. (kg)
DLC0.5V	0.5	Chime width: 2~3.5, Chime height: 22~28	9

Vertical & lateral lifting clamps

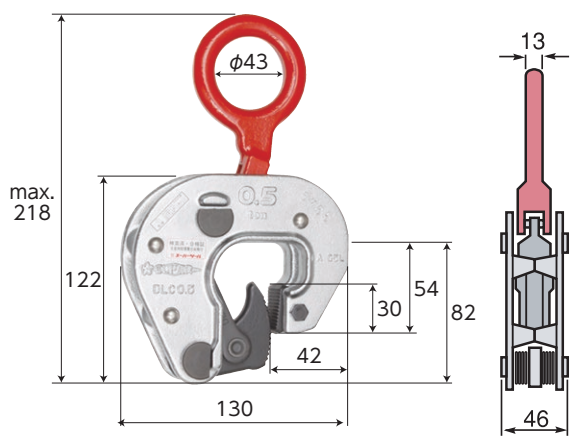
Vertical lifting clamps

Lateral lifting clamps

» Easy Operation for Open Drum

DLC0.5

DRUM LIFT CLAMP



Features

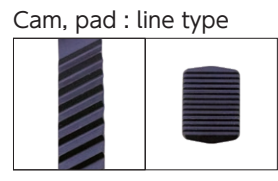
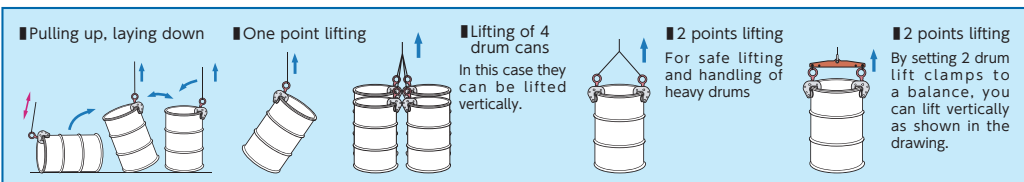
- Clamp dedicated to lifting drum cans.
- Easy lifting of steel drums and drums without lid by one touch grip of the chime.
- Drum cans can be easily lifted vertically and turned over.

Applicable drum can

Chime height over 25mm and
Drum conforming to JIS Z1600 H class or M class
Drum conforming to JIS Z1601 H class or M class

Example of use

⚠ You cannot lift a drum can with no chime. Do not lift 5 or more drum cans for safety.



Item No.	Rated capacity (ton)	N.W. (kg)
DLC0.5	0.5	2

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

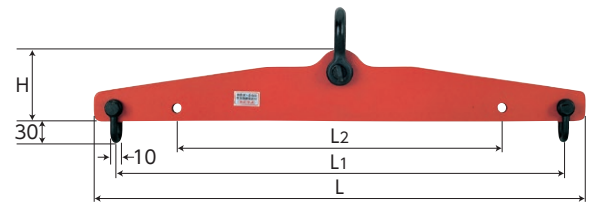
Super lock hooks

Drum lift clamps

» Adjustable Span Type

DSB1S

BALANCE FOR DRUM LIFT CLAMP



Features

- Balance dedicated to drum lift clamp (DLC0.5).
- Lifting width between 2 points (L1, L2).

Item No.	Rated capacity (ton)	Size (mm)				N.W. (kg)
		L	L1	L2	H	
DSB1S	1	675	615	445	100	6

Lifting hooks for forklift, rail clamps

Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

* Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

Stable Lifting with Fixing Bolts & Swivel Hook

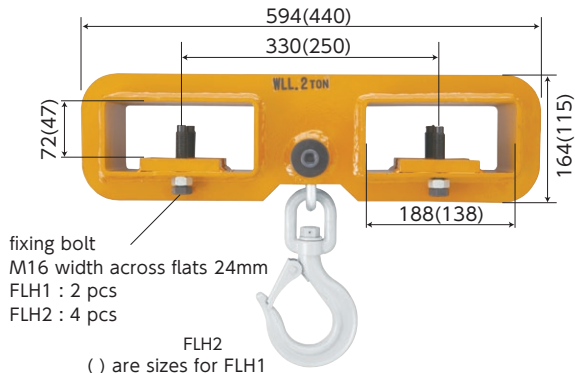
FLH

LIFTING HOOK FOR FORKLIFT

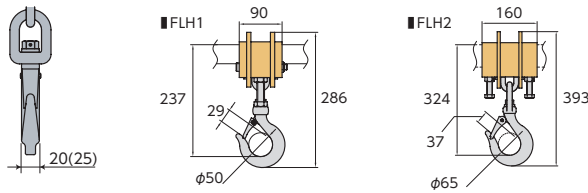
CHECK!



Operation manual & parts drawing



fixing bolt
M16 width across flats 24mm
FLH1 : 2 pcs
FLH2 : 4 pcs



Example of use



Features

- Balance with hook dedicated to forklifts.
- Can be used immediately just by setting to the forklift jaws.
- Fixing can be done very simply by tightening the fixing bolts.
- The swivel hook with latch allows free hook direction.
- ⚠ Do not turn around the hook while lifting (loading).

Item No.	Rated capacity (ton)	Applicable forklift claw size(mm)		N.W. (kg)
		Width	Thickness	
FLH1	1	70~120	15~40	12
FLH2	2	120~150	38~65	24

For Various Types of Rails

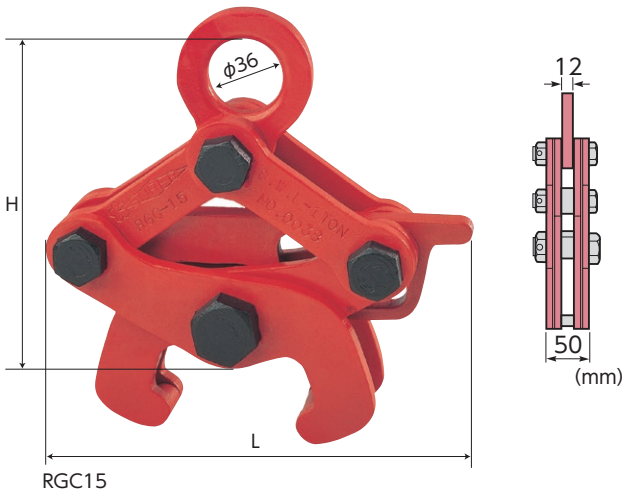
RGC

RAIL CLAMP

CHECK!



Operation manual & parts drawing

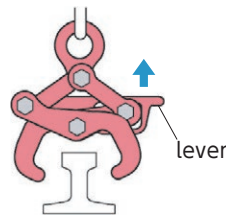


Features

⚠ Always lift a load at 2 or more points for safety.

- Clamp dedicated to various types of rail for railroads.

Releasing lock mechanism



Position the clamp above the rail as shown in the drawing. Pull the shackle while raising the lever to tighten the clamp.

Tightening lock mechanism



When the lever is released, the tightening lock is set automatically, and you can lift the rail as shown in the drawing.

Item No.	Rated capacity (ton)	Applicable rail (Nominal)	Application	Size (mm)		N.W. (kg)
				H	L	
RGC10	1	6kg rail	Rails for civil engineering trolley	198	205	5
		9kg rail				
		10kg rail				
RGC15	1	12kg rail		198	205	5
		15kg rail				
		22kg rail				
RGC30	1	30kg rail	Small to medium railroad rails	198	205	5
		37kg rail				

Item No.	Rated capacity (ton)	Applicable rail (Nominal)	Application	Size (mm)		N.W. (kg)
				H	L	
RGC50	1	40kgN rail	Small to medium railroad rails	198	205	5
		50kg rail				
		50kgN rail	Railway, subway and major railroad rails			
		60kg rail	Shinkansen rails			
RGC75	1	CR73K rail	Crane rails	228	254	6
		CR74K rail	CR-73K (old size rails)			
RGC100	1	CR100K rail	Crane rails	234	264	6
		CR101K rail	CR-100K (old size rails)			

Normal Type

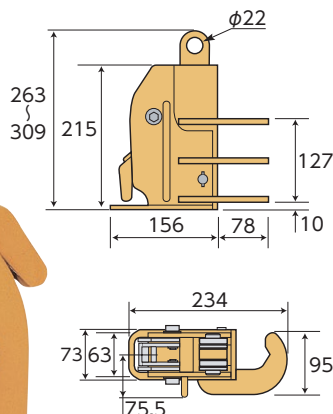
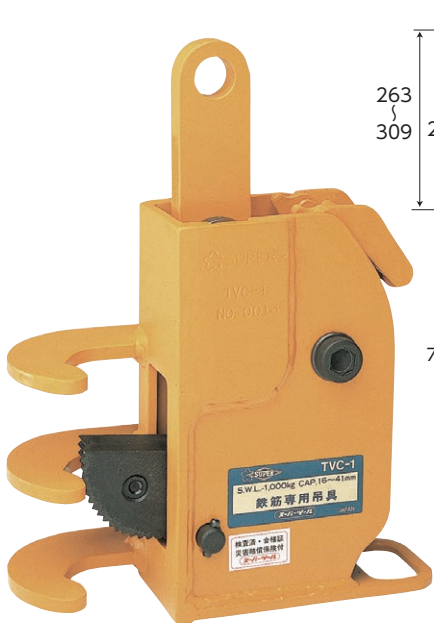
TVC1

REINFORCING ROD VERTICAL LIFTING CLAMP

CHECK!



Operation manual & parts drawing



Example of use

When you connect the rope to the remote control lever and you pull it, the open lock gets set and the clamp can be easily removed.



Accessories

- Rope for remote control (2.9m) included

Features

- Ideal for assembling, pressure welding and extracting reinforcing steel rods.
- This clamp allows sure and safe vertical lifting of pre-assembled rods and round or irregulars shaped bars.
- The open lock is a center lever type, enabling remote control with the rope included.
- As the clamp body has been designed to have no superfluous components protruding on the sides, rod lifting operations and remote operations can be done smoothly.
- When clamping a load, the curved shaped holding plate and the cam generate a sure grip of the rod.

Item No.	Rated capacity (ton)	Applicable diameters (mm)	Applicable reinforcing rod name	N.W. (kg)
TVC1	1	φ16~41	D16~D38	6

Double Lock Type

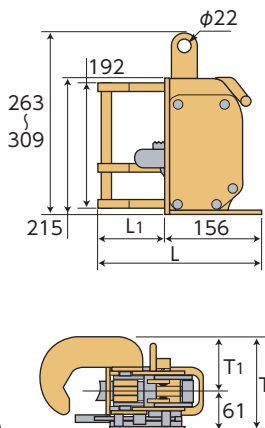
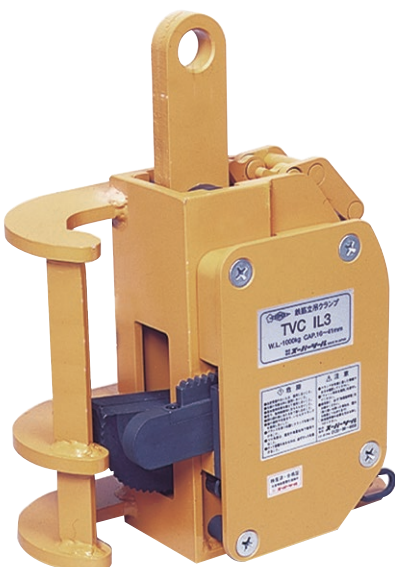
TVC1L

REINFORCING ROD VERTICAL LIFTING CLAMP

CHECK!



Operation manual & parts drawing



Example of use

1. When the remote control lever is pulled up, the cam bites the reinforcing rod and the anti-drop off lever comes out.
2. To release the rod, pull down the stopper of the anti-drop off lever and pull the rope. The open lock gets set and the clamp can be easily removed.



Accessories

- Ropes for remote control (yellow : 2.9m ; white : 1.5m) included

Features

- Clamp for reinforcing rod including a safety lever to prevent rod dropping off.
- This clamp allows sure and safe vertical lifting of pre-assembled rods and round or irregulars shaped bars.
- The open lock is a center lever type, enabling remote control with the rope included.
- When the remote lever is pulled up, the anti-drop off lever on the side of the body comes out to prevent safely reinforcing rod from coming off from the push up pressure.

TVC1L3

Item No.	Rated capacity (ton)	Applicable diameters (mm)	Applicable reinforcing rod name	Size (mm)				N.W. (kg)
				L	L1	T	T1	
TVC1L3	1	φ16~41	D16~D38	234	78	124	63	11
TVC1L5	1	φ35~55	D35~D51	264	108	148	87	12

* Parts drawings and operation manuals can be downloaded from our website.
 ● For all the appendix, please refer to P.54 ~56

Vertical & lateral lifting clamps

Vertical lifting clamps

Lateral lifting clamps

Horizontal lateral lifting clamps, lifting hooks

Steel beam lifting clamps, balance

Screw cam clamps

Beam clamps

Super foot locks, lifting hooks

Super lock hooks

Drum lift clamps

Lifting hooks for forklift, rail clamps

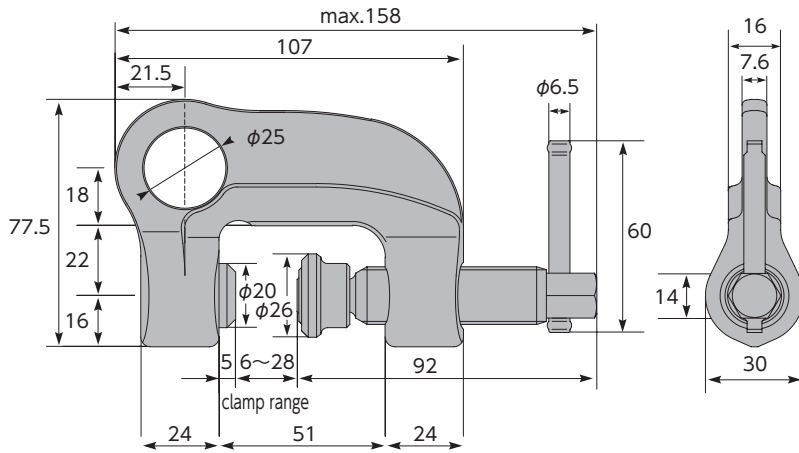
Reinforcing rod vertical lifting clamps

Clamp with fall arrest equipment

» Anti-accidental Falls

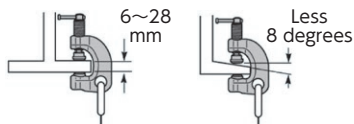
SSCC130

CLAMP WITH FALL ARREST EQUIPMENT



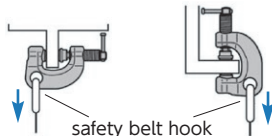
Handling of clamps with fall arrest equipment

● Right setting point



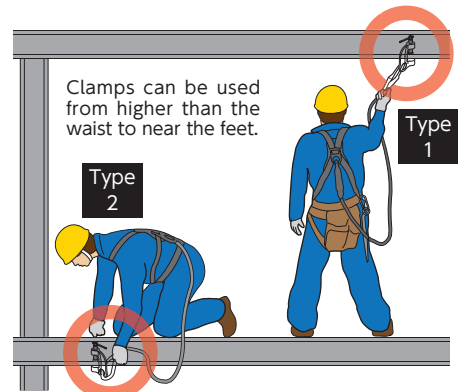
⚠ It cannot be set to slanted-shape part such as steel objects I-beam.

● Right setting direction



Example of use

■ Fall arrest equipment (safety belt) standard (compatible type 1 and type 2)

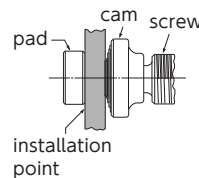


Features

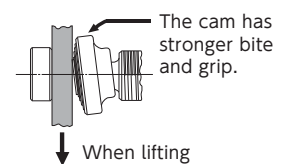
- Upgraded the maximum usable equipment weight up to 130 kg.
- Screws, cams, and pads make clamps hard to come off even when vibrations occur during operation.
- In proportion to the increased tensile force of the rope (lifeline), the cam tilts to increase the tangential surface and grips more strongly.
- High frequency quenching of special alloy steel gives greater toughness and durability.

Structure of cam

● When setting



● When lifting



Item	Maximum usable equipment weight (kg)	Clamp range (mm)	N.W.(g)
SSCC130	130	6~28	680

* Equipment weight means the total weight of body and all equipment. * Please use the type 1 and 2 of fall arrest equipment (safety belt) standard.
 * For the torque value of the screw tightening, operate tightening over 5N · m (approx. 50kgf · cm).

LIFTING CLAMPS FOR CONCRETE MATERIAL



P.39

Lifting clamps for concrete material
[cam type, pad type]



P.40

Lifting clamps for concrete material
[manual, machine type]



P.41

Lifting clamps for concrete material
[adjustable clamp range type]



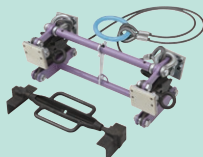
P.41

Balances



P.42

Lifting clamps for concrete material
[adjustable clamp range type]



P.43

Internal expanding lifting clamps
for U shaped gutter

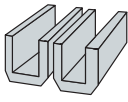
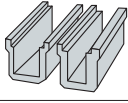
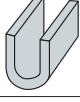
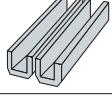
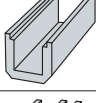
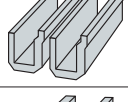
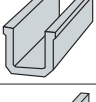
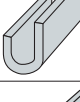
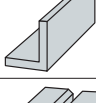
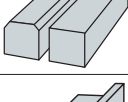
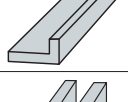
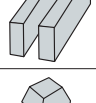
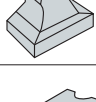
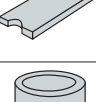
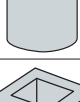
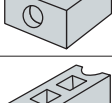



P.45

Batch lifting clamps for bank block

LIFTING CLAMPS FOR CONCRETE MATERIAL

APPLICABLE CONCRETE MATERIALS AND CLAMPS CHART ● Compliant item ▲ Item that can be used

Concrete materials		CGC	CGC-N	SKC (SKC-M) (SKC-W)	SKC-D	BUC-N BUC-A	UGC-M	AMC-N	KBC (KBC-WH) (KBC-WA)
Page number		P39	P39	P40	P40	P43+P44	P42	P41	P45+P46
U shaped gutter Single side thick U shaped gutter		●	●	●	●	●	▲	●	
Drop-lid type U shaped gutter Single side thick drop-lid type U shaped gutter		● 1000			●	●			
U flume		●	●	●	●			▲	
Long U shaped gutter Single side thick long U shaped gutter					●	●			
U shaped gutter (large drainage ditch)					●	●			
Special U shaped gutter Single side thick special U shaped gutter		▲	▲	▲	●	●		▲	
Flume (aqueduct)					●	●			
Retaining gutter block		▲	▲	▲	●			▲	
L shaped panel		●	●	●	●			●	
Boundary block							●	●	
L shaped concrete block							●	●	
Concrete board		● vertical lifting	● vertical lifting	● vertical lifting	● vertical lifting		●	●	
Bank block									● batch lifting
U shaped ditch lid							●		
Concrete pipe for well (assembly sewage manhole)		●		●	●				
Catch basin								▲	
Block							●	●	

Note : Even for same item name, it can be compliant or not with the concrete material depending on the item size. Always check with the operation manual.

Outstanding Durability

CGC

LIFTING CLAMP FOR CONCRETE MATERIAL (Cam Type)

CHECK!



Operation manual & parts drawing

Example of use ⚠ Always lift a load at 2 or more points for safety.



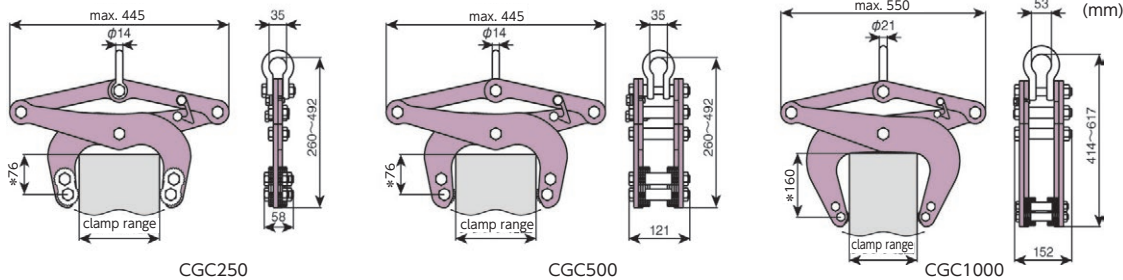
Features

- Ideal for various kinds of concrete materials like U shaped gutters, U flumes, L shaped panels, boards.
- New cam design with 4 adjustable positions, allowing outstanding durability.
- The releasing lock can be easily set and released by a single action with the hook plate.



CGC250

CGC500



* Dimensions with concrete material at max. thickness.

Item No.	Rated capacity (kg)	Clamp range (mm)	N.W. (kg)
CGC250	250	30~160	6
CGC500	500	30~160	12
CGC1000	1000	30~180	26

Cam types, pad types

Manual, machine types

Adjustable clamp range types, balances

Internal expanding lifting clamps for U shaped gutter

Special Rubber Pad Type

CGC-N

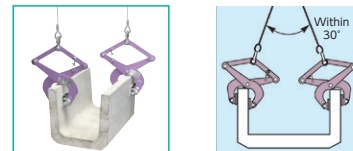
LIFTING CLAMP FOR CONCRETE MATERIAL (Pad Type)

CHECK!



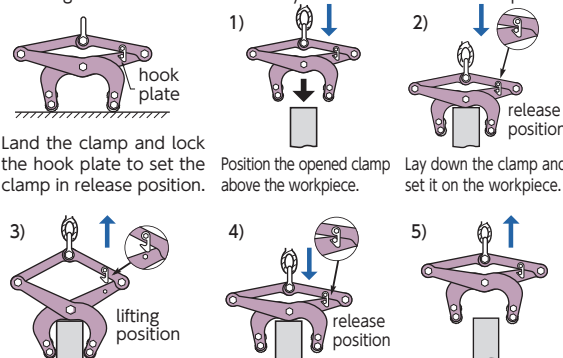
Operation manual & parts drawing

Example of use ⚠ Always lift a load at 2 or more points for safety.



RELEASE & LOCK MECHANISM OPERATION

With CGC and CGC-N clamps, when you lock the hook plate, the releasing lock mechanism allows easy set or remove of the workpiece.



1) Land the clamp and lock the hook plate to set the clamp in release position.
 2) Position the opened clamp above the workpiece. Lay down the clamp and set it on the workpiece.
 3) Unlock the hook plate to set the clamp in lifting position. Hoist the crane hook to lift the workpiece.
 4) Land the workpiece at the target place. At that time, the hook plate gets locked automatically.
 5) Hoist again the crane to remove the clamp, in the release position, from the workpiece.

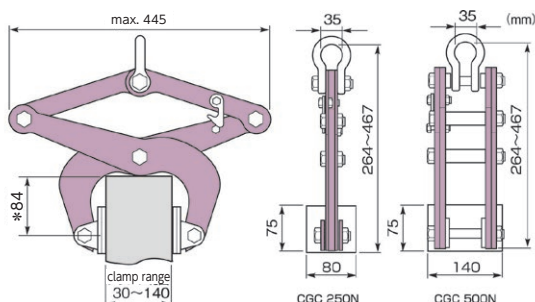
Features

- Ideal for various kinds of concrete materials like U shaped gutters, U flumes, L shaped panels, boards.
- The spike design of the special rubber pads allows to grip firmly the load (can also be used as non-marring type).
- The releasing lock can be easily set and released by a single action with the hook plate.



CGC250N

CGC500N



* Dimensions with concrete material at max. thickness.

Item No.	Rated capacity (kg)	Clamp range (mm)	N.W. (kg)
CGC250N	250	30~140	6
CGC500N	500	30~140	12

* Parts drawings and operation manuals can be downloaded from our website.
 ● For all the appendix, please refer to P.54 ~56

» Light Weight & Easy Handling

SKC150(M) • SKC250(W) • SKC1250D

LIFTING CLAMP FOR CONCRETE MATERIAL
(Manual / Machine Type)

CHECK!

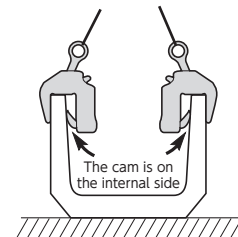
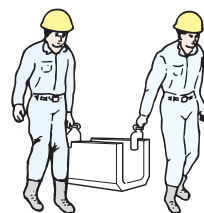


Operation manual & parts drawing

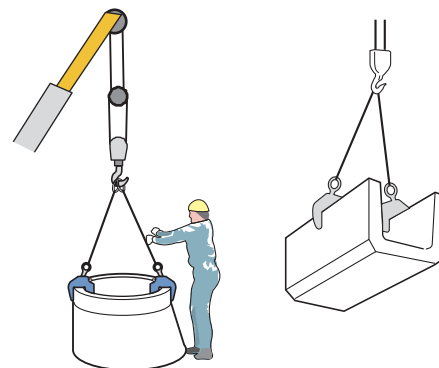
Example of use

⚠ Always lift a load at 2 or more points for safety.

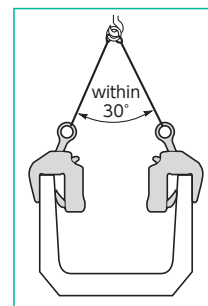
Manual type



Machine type



* SKC1250D (deep wide type) shows its great power especially for lifting assembly sewage manhole.



Features

- Ideal for lifting and handling concrete materials like reinforced concrete U shaped gutters, single side thick U shaped gutters, U flumes.
- Compact, light-weight and easy to handle.
- Including a mechanism making that the clamping force increases in proportion to the load weight.
- One touch open/close mechanism for easy operation.

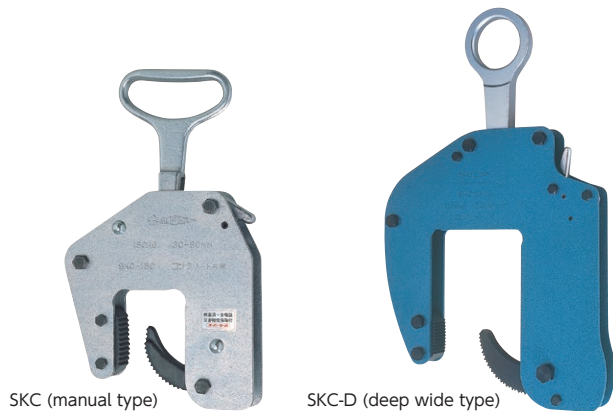
Cam types, pad types

Manual, machine types

Adjustable clamp range types, balances

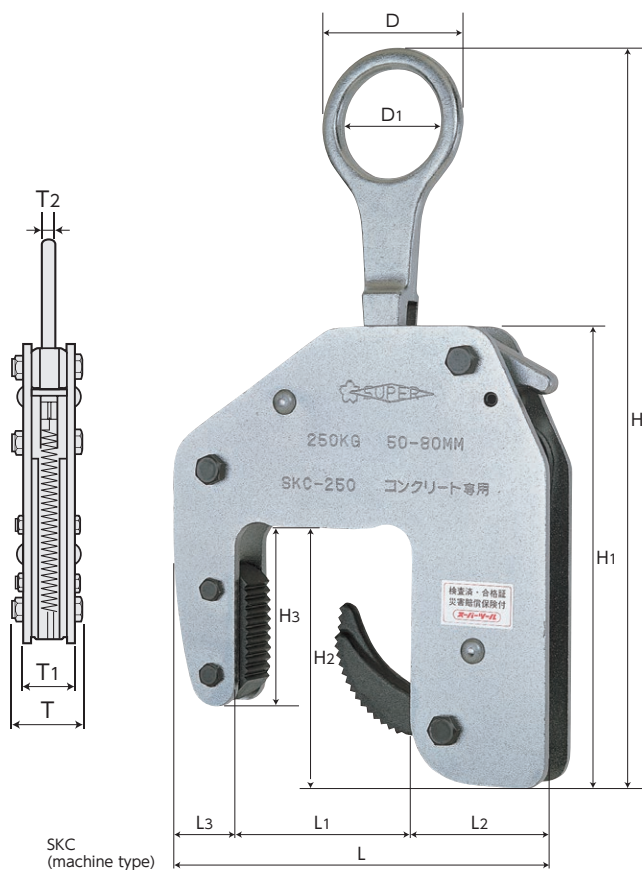
Internal expanding lifting clamps for U shaped gutter

Batch lifting clamps for bank block



SKC (manual type)

SKC-D (deep wide type)



Item No.	Item type	Rated capacity (kg)	Clamp range (mm)	Size (mm)													N.W. (kg)
				L	L1	L2	L3	H	H1	H2	H3	D	D1	T	T1	T2	
SKC150	Manual type	150	30~60	185	65	65	55	258~312	200	108	83	112	—	44.5	31	16	3
SKC150M	Machine type	150	30~60	185	65	65	55	274~328	200	108	83	70	50	44.5	31	10	3
SKC250	Machine type	250	50~80	190	85	66	39	278~332	205	112	85	70	50	44.5	32	10	3
SKC250W	Machine type	250	70~100	210	105	66	39	278~332	205	112	85	70	50	44.5	32	10	3.5
SKC1250D	Deep wide type	1250	73~137	355	145	125	80	477~558	385	242.5	192.5	100	70	60.5	37	18	10

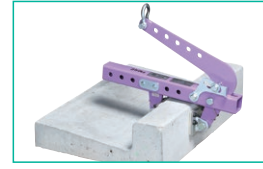
Adjustable Width for Various Concrete Materials

AMC-N • AMB-N

UNIVERSAL LIFTING CLAMP FOR CONCRETE MATERIAL
Adjustable Clamp Range Type (Pad Type)



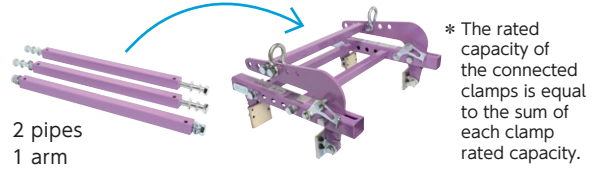
Example of use



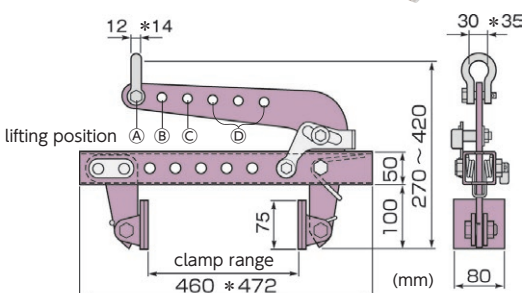
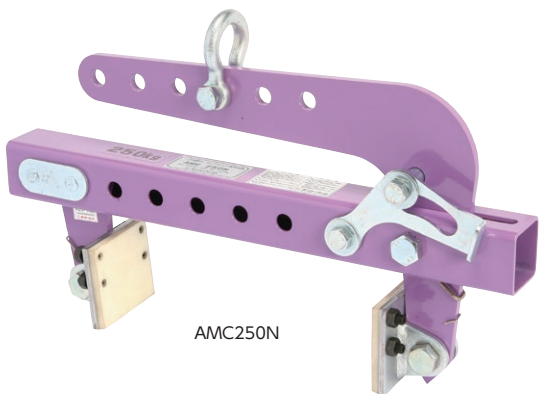
Features

- Universal Clamp for lifting all kinds of concrete materials.
 - Especially ideal for pedestrian road boundary blocks and small L shaped panels.
 - By changing the pad position, you can adjust the clamp range to wide workpiece.
 - By adjusting the shackle above the center of gravity of the workpiece, you can keep the balance of the workpiece.
 - The spike design of the special rubber pads allows to grip firmly the load (can also be used as non-marring type).
 - The open lock can be locked manually for smooth remove of the lifting piece.
 - With the optional parts (sold separately), you can connect two clamps.
- * Do not use with drop-lid type U shaped gutters.
The rated capacity (kg) changes with the shackle position.

Optional parts (sold separately)



Optional parts item No.
AMB250N
AMB500N



Item No.	Rated capacity (kg) by lifting position				Clamp range (mm)	N.W. (kg)
	A	B	C	D		
AMC250N	140	165	200	250	10~240	5.5
AMC500N	280	330	400	500	10~240	7.5

Cam types, pad types

Manual, machine types

Adjustable clamp range types, balances

Internal expanding lifting clamps for U shaped gutter

Batch lifting clamps for bank block

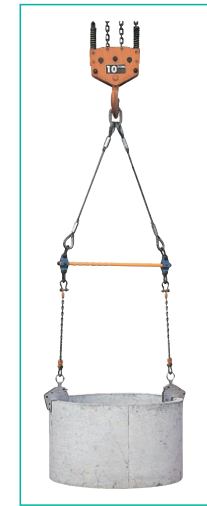
Adjustable Span Type

LSB2H

BALANCE (With Upper Wire Rope and Ring)

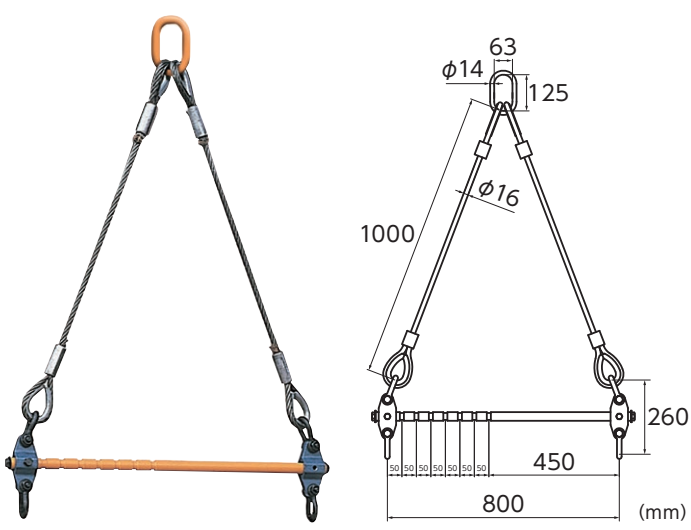


Example of use



Features

- Ideal for safe, well balanced lifting operations.
- When lifting or holding balance of a long workpiece, this balance can be used safely with lifting clamps.
- Adjustable span type with 8 steps from 450 to 800mm, adapted to long or large workpieces.



Item No.	Rated capacity (kg)	Adjustable span steps (mm)	N.W. (kg)
LSB2H	2000	450-500-550-600-650-700-750-800	20

* Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» Wide Clamping Type

UGC-M

LIFTING CLAMP FOR CONCRETE MATERIAL
(Adjustable Clamp Range Type)

CHECK!



Operation manual & parts drawing

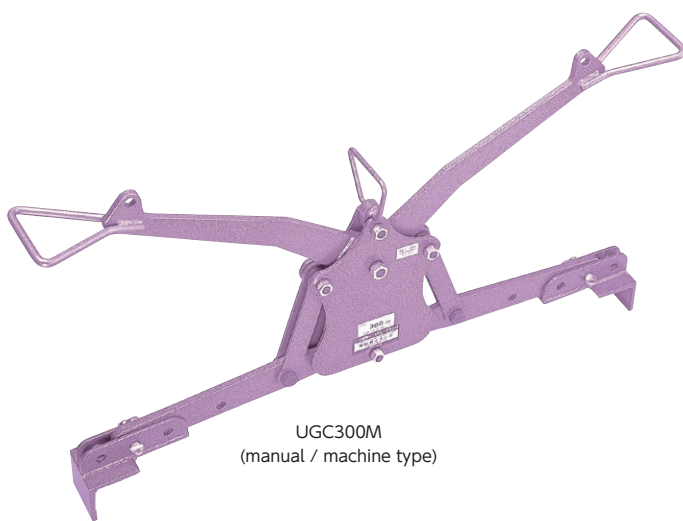
Example of use



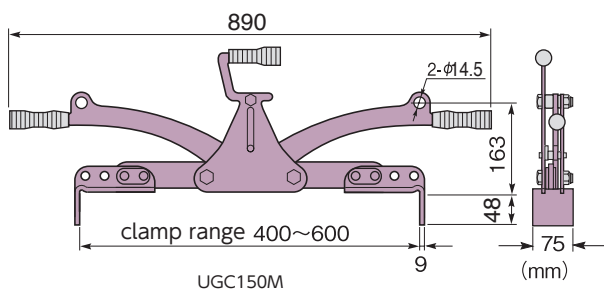
Lifting with a crane
(UGC150M)



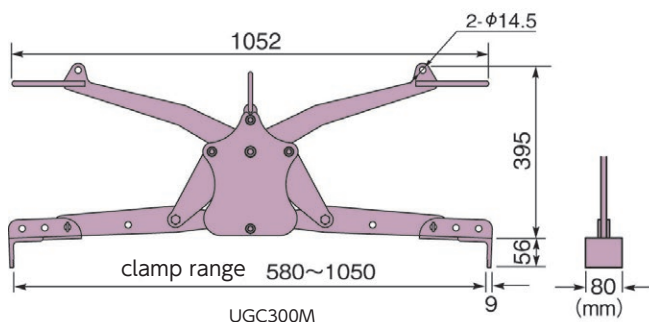
UGC150M
(manual / machine type)



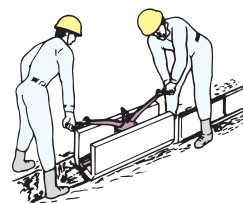
UGC300M
(manual / machine type)



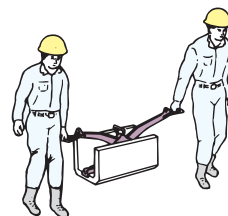
UGC150M



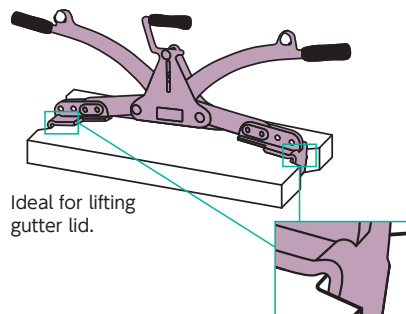
UGC300M



As the U shaped gutter is clamped from inside, the clamp doesn't interfere with the alignment levelling strings.



U shaped gutters can be clamped at both ends for easy handling and laying.



Ideal for lifting gutter lid.

Improve the design of the clamp claws not to crack material corner. (UGC150M)

Features

- Ideal for handling and laying U shaped gutters, lids, edge stones, blocks.
- With clamp claw thickness of 9mm, the clearance between the materials can be easily set.
- By changing the toggle pins locations, the clamp range can be easily adjusted.
- The clamp claw teeth provide a firm grip that prevents slipping.
- The design of the clamp claws has been improved to prevent material corner from getting nicked during lifting.

Item No.	Rated capacity (kg)	Clamp range (mm)	N.W. (kg)
UGC150M	150	400~ 600	9
UGC300M	300	580~1050	17

BUC240N

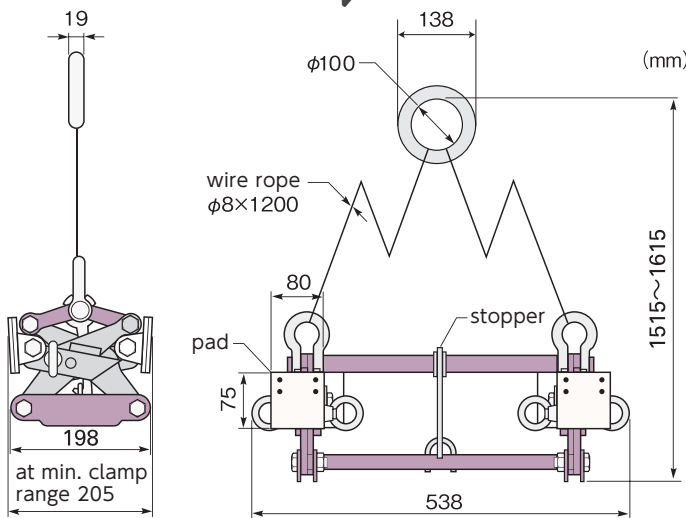
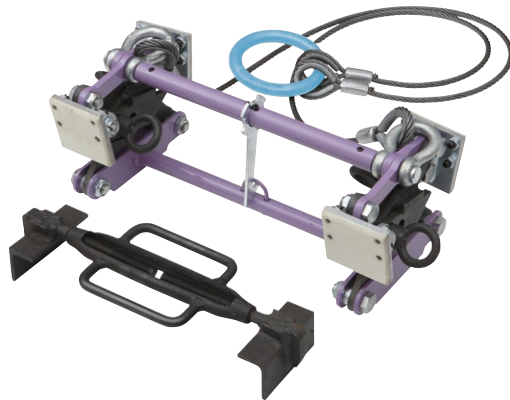
INTERNAL EXPANDING LIFTING CLAMP FOR U SHAPED GUTTER
(Pad Type with Wire Rope and Ring)

CHECK!



Operation manual & parts drawing

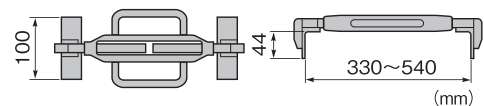
Example of use ⚠ For long gutters, always use a balance and lift at 2 or more points for safety.



Features

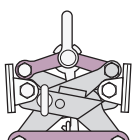
- For JIS reinforced concrete U shaped gutters and JIS drop-lid type U shaped gutters (only 250 / 300A).
- Dedicated for lifting concrete U shaped underground cable box (adjustable clamp range type).
- Including a holder for preventing the cracking of U shaped gutter.
- The inside clamping avoids touching the alignment levelling strings, and makes unnecessary to leave a clearance space outside the workpiece.
- The spike design of the special rubber pads allows to grip firmly the load (can also be used as non-marring type).
- Applicable type of workpieces : JIS U shaped gutter 240, 300A/B/C and JIS drop-lid type 250, 300A, up to 2m length.

Cracking prevention holder

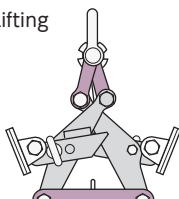


How to use

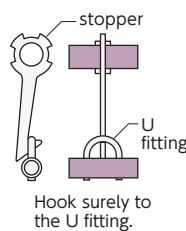
1) Preparation for lifting



Releasing lock position



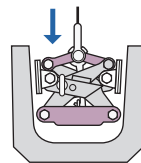
Not in releasing lock position



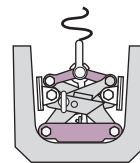
Hook surely to the U fitting.

Lift the clamp to check if the clamp is in releasing lock position as shown in the drawing above. If not, hook the stopper to the main body U fitting and lift again so that the clamp gets in releasing lock position.

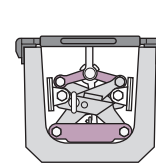
2) Setting to the U shaped gutter



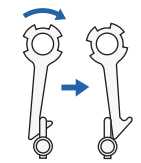
Slowly lower the clamp in releasing lock position until the bottom of the gutter.



The wire rope is completely loosened.



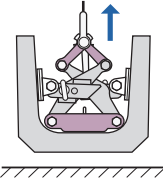
Set the cracking prevention holder.



Remove the stopper from the U fitting.

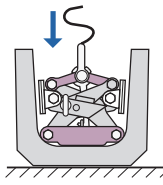
Position the clamp in releasing lock position above the U shaped gutter and land it to the bottom of the gutter until the wire is completely loosened. Next, set the cracking prevention holder just beside the clamp. Here, rotate the knob of the holder to make the arm firmly hold the U shaped gutter. Next, remove the stopper from the U fitting, and then the load can be lifted.

3) Lifting



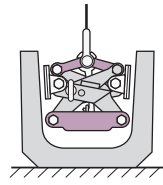
When the load is lifted, the clamp gets automatically into tightening position. When you hoist the crane, the U shaped gutter is firmly gripped and lifted.

4) Moving and landing



After moving the U shaped gutter to the target place and confirming that it is stable, hoist down until the wire rope is completely loosened.

5) Clamp removing



Hook the stopper to the U fitting and lift again to set the clamp in releasing lock position and then you can move the clamp alone to the next load to be operated.

Item No.	Rated capacity (kg)	Clamp range (mm)	N.W. (kg)
BUC240N	500	Level 1 220~240 Level 2 260~290	12

* Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» Automatic Releasing System

BUC1000A • BUM1000A • BUF1000A

AUTOMATIC INTERNAL EXPANDING LIFTING CLAMP FOR U SHAPED GUTTER (Pad Type with Wire Rope and Ring)

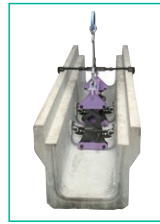
CHECK!



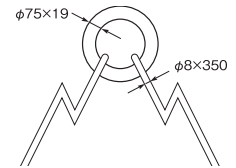
Operation manual & parts drawing

Example of use

⚠ For long gutters, always use a balance and lift at 2 or more points for safety.



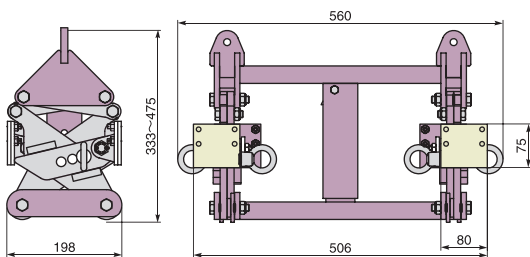
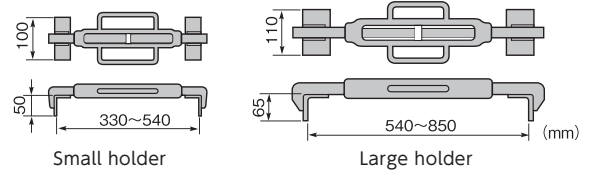
Master ring, wire rope



Features

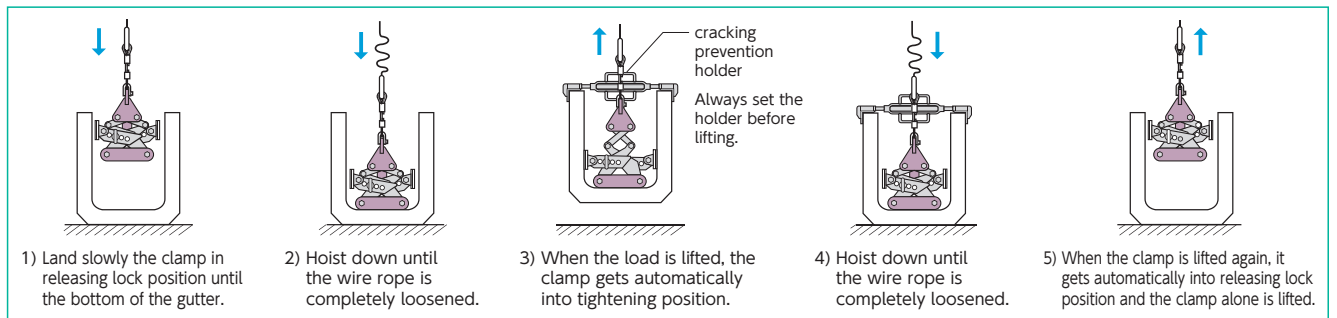
- Dedicated for lifting all kinds of concrete U shaped gutters (automatic setting and removing type).
- Including a holder for preventing the cracking of U shaped gutter (always use together with the main body).
- With the fully automated setting / removing mechanism, the repeated handling operations gets faster and easier, bringing higher productivity.
- The spike design of the special rubber pads allows to grip firmly the load (can also be used as non-marring type).
- The inside clamping avoids touching the alignment levelling strings, and makes unnecessary to leave a clearance space outside the workpiece.

Cracking prevention holder



Item No.	Rated capacity (kg)	Clamp range (mm)	U shaped gutter size name	N.W. (kg)
BUC1000A	1000	① 210~250	240·250	26
		② 250~290	300	
		③ 290~330	—	

Automatic setting / removing mechanism



BUM1000A middle parts set (sold separately)
(middle plate with pad, crack prevention large holder)



BUF1000A full parts set (sold separately)
(middle plate with pad, long plate with pad, crack prevention large holder, joint bar)



Item No.	Middle plate			Long plate		
	Clamp range (mm)	U shaped gutter size name	N.W. (kg)	Clamp range (mm)	U shaped gutter size name	N.W. (kg)
BUM1000A	① 320~360	350·360	28	—	—	—
	② 360~400	400		—	—	
	③ 400~440	450		—	—	
	④ 440~480	500		—	—	
BUF1000A	① 320~360	350·360	28	① 480~520	500	31
	② 360~400	400		② 520~560	600	
	③ 400~440	450		③ 560~600	—	
	④ 440~480	500		—	—	

* The clamp range ①~④ can be changed by adjusting the position of the adjustment plate holes.

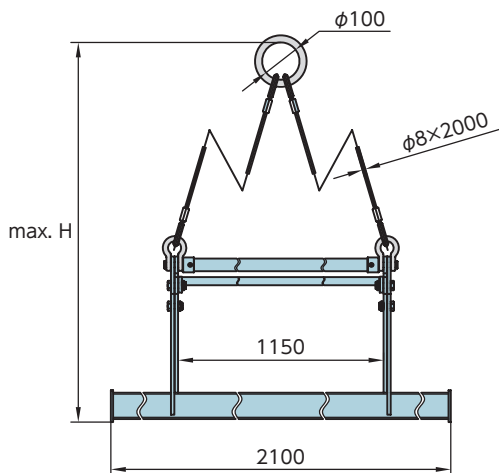
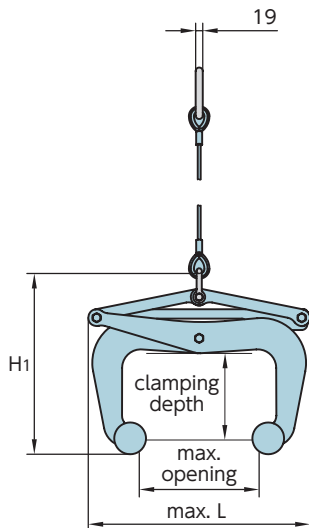
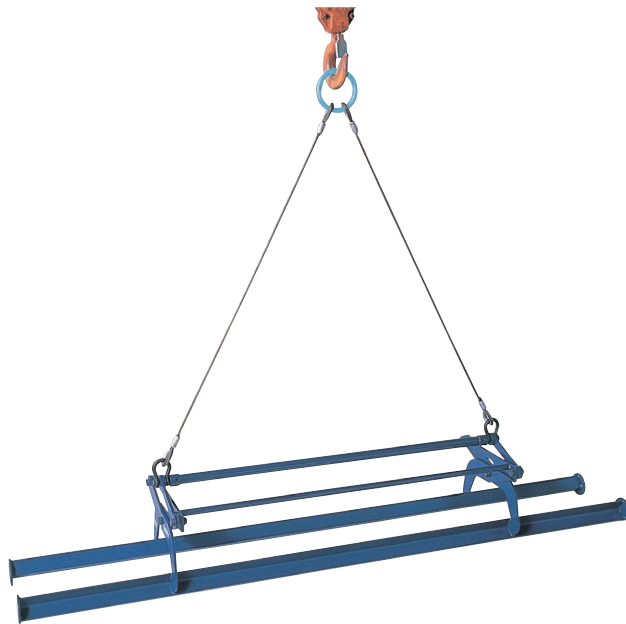
KBC500WH

BATCH LIFTING CLAMP FOR BANK BLOCK
(with Wire Rope and Ring)

CHECK!



Operation manual & parts drawing



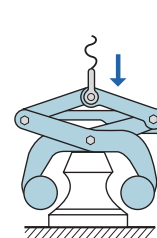
Example of use



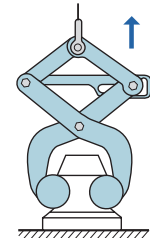
Shape of applicable blocks
Bank blocks with necks.
Max. 7 pieces.



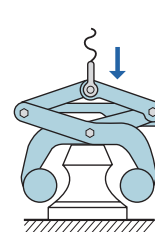
Automatic releasing mechanism



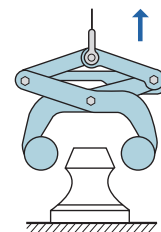
1) Set the stopper in release position, lower the clamp so that the legs of the tongs properly fit into the bank block neck.



2) When the legs are fully set, remove the stopper and lift the clamp so that the legs close and the bank block gets lifted.



3) Move the load to the target place and land it until the wire rope is completely loosened.



4) The stopper gets locked automatically into the release position and then you can lift the clamp alone.

Features

- Dedicated for lifting bank blocks with necks.
- Can lift together in one batch up to 7 bank blocks. Ideal for handling, loading and unloading operations.
- The automatic opening mechanism allows easy clamp removing operation.

Item No.	Rated capacity (kg)	Clamp range (mm)	Size (mm)				N.W. (kg)	
			(max. opening)	(clamping depth)	L (MAX)	H (MAX)		H1
KBC500WH	500	60~270	300	230	600	2780	484~760	48

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» Automatic Type

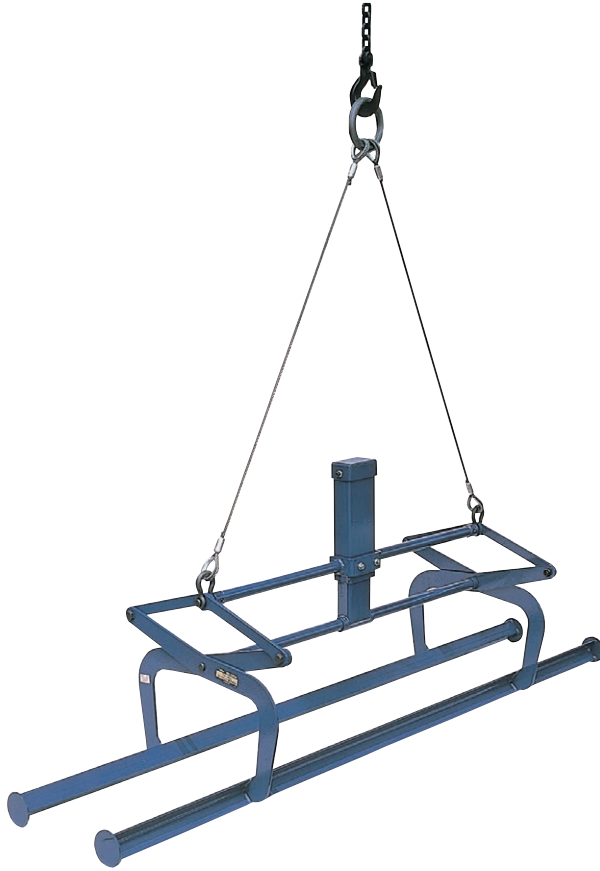
KBC500WA

AUTOMATIC BATCH LIFTING CLAMP FOR BANK BLOCK (with Wire Rope and Ring)

CHECK!



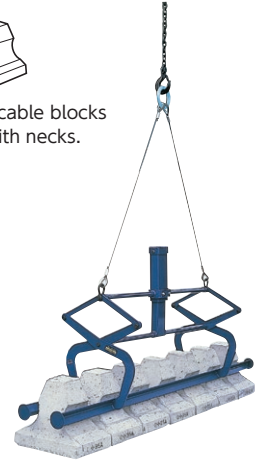
Operation manual & parts drawing



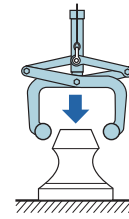
Example of use



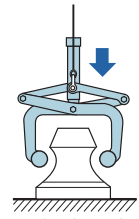
Shape of applicable blocks
Bank blocks with necks.
Max. 7 pieces.



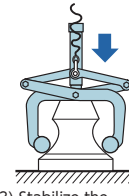
Automatic setting / removing mechanism



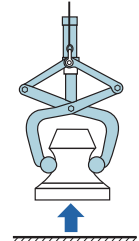
1) As a preparation before lifting, lift the clamp in release position.



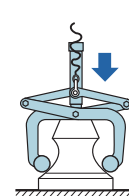
2) Lower the clamp slowly so that it stay aligned with the center of the block until the clamp main body and the guide pipes touch the block and keep lowering until the wire rope is completely loosened.



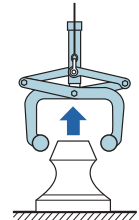
3) Stabilize the clamp horizontally on the block.



4) When the load is lifted, the clamp gets locked automatically into tightening position and grips firmly the bank block.

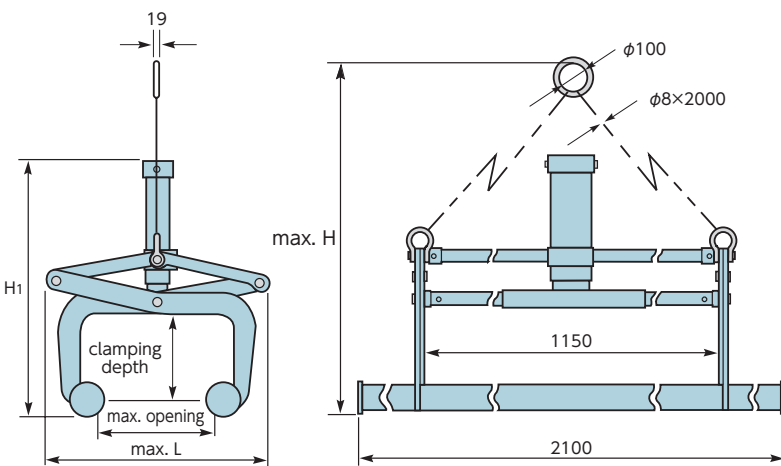


5) Move the load to the target place and land it until the wire rope is completely loosened.



6) When the clamp is lifted, it gets locked automatically into release position so that you can move the clamp alone and switch smoothly to the next operation.

By repeating procedures 1)~6), transportation of bank blocks batches can be quickly operated just by moving laterally and hoisting up and down the crane.



Features

- Dedicated for lifting bank blocks with necks.
- Can lift together in one batch up to 7 bank blocks. Ideal for handling, loading and unloading operations.
- The automatic setting / removing mechanism allows operations with one operator. The workability is greatly improved compared to conventional manual clamp types.

Item No.	Rated capacity (kg)	Clamp range (mm)	Size (mm)				N.W. (kg)	
			(max. opening)	(clamping depth)	L (MAX)	H (MAX)		H1
KBC500WA	500	60~270	300	230	600	2810	700~1010	56

LIFTING CLAMPS FOR HOUSING



P.48

Lifting clamps for formwork/panel



P.48

Lifting clamps for panel/beam



P.50

Lifting clamps dedicated for wooden beam



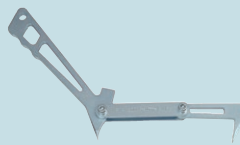
P.51

Balance sets



P.51

Balances



P.51

Panel pullers



P.52

Lifting clamps for ALC panel



P.52

Horizontal lifting clamps for ALC panel

LIFTING CLAMPS FOR HOUSING

Light Weight & Compact Type

PTC100

LIFTING CLAMP FOR FORMWORK / PANEL
(Ultra-light-weight and Compact Type)

CHECK!



Operation manual & parts drawing

Example of use

Always use this clamp in pair with a balance.



Features

- Ideal for lifting and installing formwork and wooden panels.
- The spring-type tightening lock mechanism assures a positive initial clamp force.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.
- The urethane pad with spikes on one side ensures a firm grip, for even safer operation.
- The two pads come with urethane rubber to prevent scratches on the panel surface.

Applicable loads : Siding boards, decoration panels for outer walls, external heat insulating wall materials, wooden panels, etc.
* Do not use for ALC panels, extruded cement panels.

Accessories

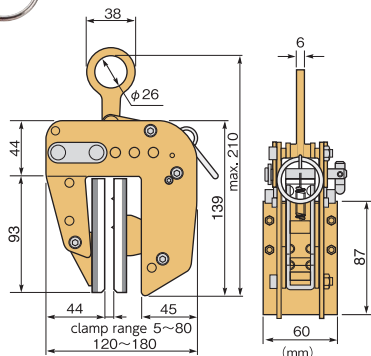
- Rope for remote control (1.5m) included



Remotely controllable opening mechanism included



Also usable for soundproof walls



Item No.	Rated capacity (kg)	Clamp range - 5 steps adjustment (mm)	N.W. (kg)
PTC100	100	5~20	1.8
		20~35	
		35~50	
		50~65	
		65~80	

Optimal for 2 x 4 Wood & Housing Panel

PTC150

LIFTING CLAMP FOR PANEL / BEAM (Wide Type)

CHECK!



Operation manual & parts drawing

Example of use

Always use this clamp in pair with a balance.

Panel lifting



Wooden beam lifting



Features

- Ideal for lifting and installing wooden panels, 2 × 4 housing panels and for lifting and moving wooden beams.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.

* Do not use for ALC panels, extruded cement panels.

Accessories

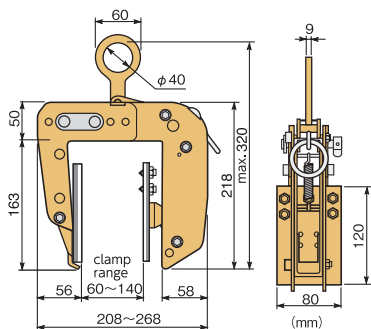
- Rope for remote control (1.5m) included



Remotely controllable opening mechanism included



Also usable for soundproof walls



Item No.	Rated capacity (kg)	Clamp range - 4 steps adjustment (mm)	N.W. (kg)
PTC150	150	60~ 80	3.6
		80~100	
		100~120	
		120~140	

Optimal for 2 x 4 Wood & Housing Panel

PTC200

LIFTING CLAMP FOR 2 X 4 PANEL (Wide Type)

CHECK!



Operation manual & parts drawing

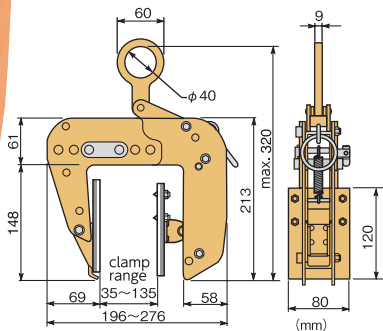
Example of use ⚠ Always use this clamp in pair with a balance.



Remotely controllable opening mechanism included



Also usable for soundproof walls



Features

- Ideal for lifting and installing wooden panels and especially 2 X 4 housing panels.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.

* Do not use for ALC panels, extruded cement panels.

Accessories

- Rope for remote control (1.5m) included

Item No.	Rated capacity (kg)	Clamp range - 5 steps adjustment (mm)	N.W. (kg)
PTC200	200	35~ 55	4
		55~ 75	
		75~ 95	
		95~115	
		115~135	

Lifting clamps for formwork / panel

Lifting clamps for panel / beam. lifting clamps dedicated for wooden beam

Balance sets, balances, panel pullers

Lifting clamps for ALC panel, lifting clamps for extruded cement panel

Optimal for 2 x 4 Wood & 2 x 6 Wood

PTC250

LIFTING CLAMP FOR PANEL / BEAM (Super Wide Type)

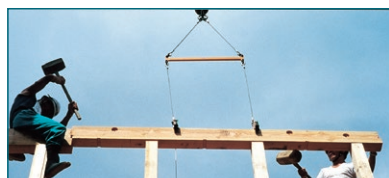
CHECK!



Operation manual & parts drawing

Example of use ⚠ Always use this clamp in pair with a balance.

Wooden Beam lifting



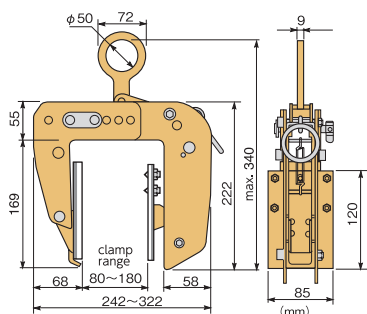
Panel lifting



Remotely controllable opening mechanism included



Also usable for soundproof walls



Features

- Ideal for lifting and installing wooden panels, and especially 2 x 4 and 2 x 6 housing panels, and for lifting and moving wooden beams.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.

* Do not use for ALC panels, extruded cement panels.

Accessories

- Rope for remote control (1.5m) included

Item No.	Rated capacity (kg)	Clamp range - 5 steps adjustment (mm)	N.W. (kg)
PTC250	250	80~100	5.8
		100~120	
		120~140	
		140~160	
		160~180	

* Parts drawings and operation manuals can be downloaded from our website.
 ● For all the appendix, please refer to P.54 ~56

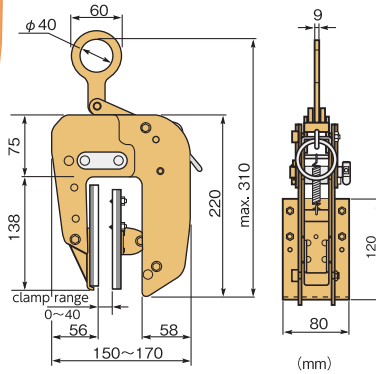
» Anti-scratch Type

PSC100

LIFTING CLAMP FOR PANEL
(Ultra-light-weight and Compact Type)



Remotely controllable opening mechanism included



Example of use

⚠ Always use this clamp in pair with a balance.



Features

- Ideal for lifting and installing wooden panels.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.
- * Do not use for ALC panels, extruded cement panels.

Accessories

- Rope for remote control (1.5m) included

Item No.	Rated capacity (kg)	Clamp range - 2 steps adjustment (mm)	N.W. (kg)
PSC100	100	0~20	3.5
		20~40	

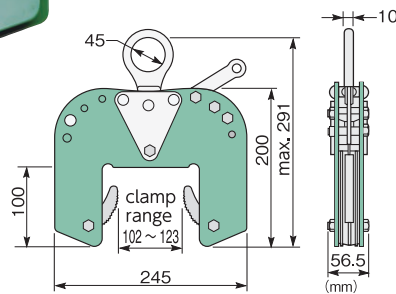
» Lock Lever Type

BLC200

LIFTING CLAMP FOR WOODEN BEAM (Double Cam Type)



Remotely controllable opening mechanism included



Example of use

⚠ Always use this clamp in pair with a balance.



Features

- Ideal for lifting and installing wooden beams.
- The spring-type tightening lock mechanism assures a positive initial clamp force.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.

Accessories

- Rope for remote control (2m) included

Item No.	Rated capacity (kg)	Clamp range (mm)	N.W. (kg)
BLC200	200	102~123	3.7

Lifting clamps for formwork / panel

Lifting clamps for panel / beam, lifting clamps dedicated for wooden beam

Balance sets, balances, panel pullers

Lifting clamps for ALC panel, lifting clamps for extruded cement panel

» For Balanced Lifting

PTC-S • PSC-S • BLC-S

LIFTING CLAMP BALANCE SET FOR PANEL / WOODEN BEAM

Feature ● Set of 2 lifting clamps and 1 applicable balance.

Lifting clamp for housing panel	Set item No.	Set details	
		Lifting clamp (2 pcs)	Balance (1 pc)
Formwork / panel lifting	PTC100S	PTC100	PSB508
Panel / beam lifting	PTC150S	PTC150	PSB508
2 × 4 panel lifting	PTC200S	PTC200	PSB508
Panel / beam lifting	PTC250S	PTC250	PSB610
Panel lifting	PSC100S	PSC100	PSB508
Wooden beam lifting	BLC200S	BLC200	PSB508



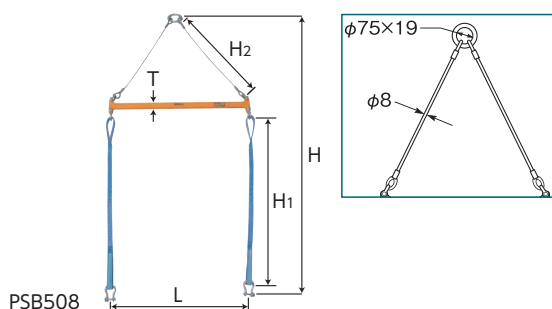
PSB

2-POINT LIFTING BALANCE



Feature ● Balance dedicated for safe and well-balanced lifting operations.

Accessories ● Sling belts ● Shackles



Item No.	Rated capacity (kg)	Size (mm)					N.W. (kg)	Applicable lifting clamp for panel
		L	H	H1	H2	T		
PSB508	500	800	2000	1000	800	□40×□20	5.2	PSC100·PTC100·150·200·BLC200
PSB610	600	1000	1960	1000	800	□40×□20	6	PTC·PSC·BLC·PAC
PSB620	600	2000	2500	1000	1600	□50×□30	7.2	

PSBSL

SLING BELT FOR BALANCE

Feature ● Long swing belts common for all balance sizes.



PSBSL150

Item No.	Belt full length (m)	Belt width (mm)
PSBSL150	1.5	25
PSBSL200	2	25

» For 2 x 4 Panel Pulling

PTP200

PANEL PULLER (Panel Pulling Tool)

Feature

● Must-have tool for construction method with 2 × 4 panels.

Applications

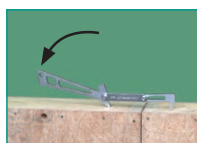
- Pulling together 2 panels.
- Adjusting outside panels with ink marking.
- Pulling and connecting joint parts of floor and ceiling panels.
- Pulling together 2 beams.
- Pulling together and assembling wooden formwork panels.

How to use

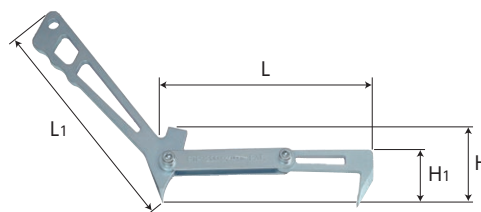
Setting



Pulling together



Example of use



Item No.	Size (mm)					N.W. (g)
	Pulling stroke	L	L1	H	H1	
PTP200	30	212	250	80	60	760

★ Parts drawings and operation manuals can be downloaded from our website.
● For all the appendix, please refer to P.54 ~56

» For ALC Panel

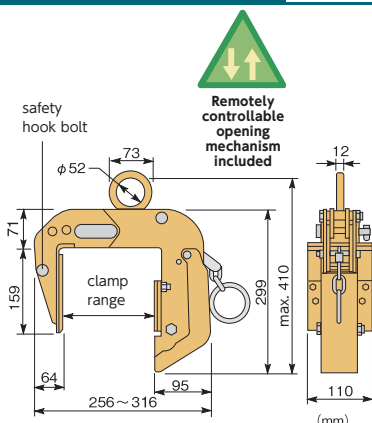
PAC260

LIFTING CLAMP FOR ALC PANEL

CHECK!



Operation manual & parts drawing

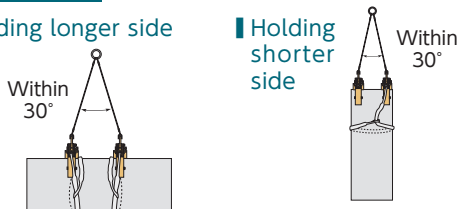


Item No.	Rated capacity (kg)	Clamp range - 3 steps adjustment (mm)	N.W. (kg)
PAC260	260	90~105	6.9
		115~130	
		140~155	

Example of use ⚠ Always use this clamp in pair.

▮ Holding longer side

▮ Holding shorter side



Feature

- Clamp dedicated for lifting ALC panels.
- ▶ **Common features for PAC260 and PSC260**
- The spring-type tightening lock mechanism assures a positive initial clamp force.
- Including a mechanism making that the clamping force increases in proportion to the load weight.
- The tightening lock can be released remotely, avoiding dangerous operations in high places.
- The urethane pad with spikes on one side ensures a firm grip, for even safer operation.
- The two pads come with urethane rubber to prevent scratches on the panel surface.
- A safety hook bolt for setting a sling belt is included to provide extra safety.

Accessories

- Rope for remote control (2m) included

» For Extruded Cement Panel

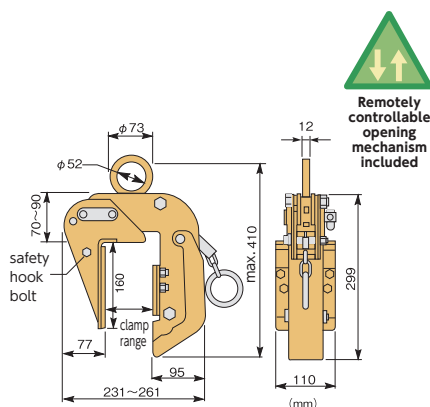
PSC260

LIFTING CLAMP FOR EXTRUDED CEMENT PANEL

CHECK!



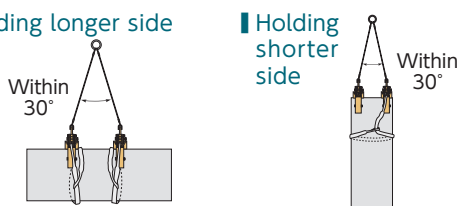
Operation manual & parts drawing



Example of use ⚠ Always use this clamp in pair.

▮ Holding longer side

▮ Holding shorter side



Feature

- Ideal for lifting and installing extruded cement panels.
- ▶ The other features and the examples of use are the same as for PAC260.

Item No.	Rated capacity (kg)	Clamp range - 2 steps adjustment (mm)	N.W. (kg)
PSC260	260	50~65	6.9
		70~85	

Accessories

- Rope for remote control (2m) included

» Easy Operation

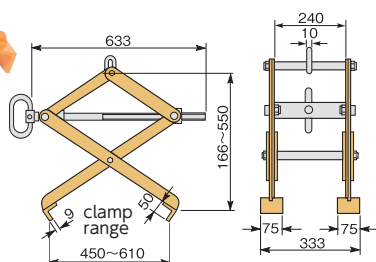
UGC200W

HORIZONTAL LIFTING CLAMP FOR ALC PANEL

CHECK!



Operation manual & parts drawing



Example of use ⚠ Lift with one clamp.



Features

- Ideal for lifting and installing ALC panels.
- Easy to transport and install floor panels and lids for U shaped gutters with one operator.
- Clamping range can be adjusted to the width of the workpiece by turning the handle.
- The firm clamping of the workpiece with a screw tightening lock ensures the operation safety.

Item No.	Rated capacity (kg)	Clamp range (mm)	N.W. (kg)
UGC200W	200	450~610	18

Lifting clamps for formwork / panel

Lifting clamps for panel / beam, lifting clamps dedicated for wooden beam

Balance sets, balances, panel pullers

Lifting clamps for ALC panel, lifting clamps for extruded cement panel

APPENDIX

P.54

Selection standards for 2-point lifting

P.55

Lifting angle and rated load of wire rope

P.56

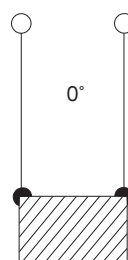
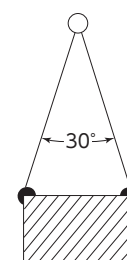
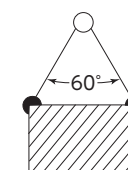
Table for main steel material weight

Supertool clamp selection standards for 2-point lifting

The maximum rated capacity of lifting clamps differs according to the lifting angle.

As shown in the following table, when the lifting angle increases, the load weight on the lifting clamps and the ropes increases and the lifting capacity rate decreases in proportion. Therefore, after paying attention to the lifting angle, always use lifting clamps and ropes with the appropriate rated capacity.

Correlation table between the lifting angle and the applicable load (for 2-point lifting)

Main item name, No.								
Vertical lifting clamps (GVC-R, SVC-HE, SVC-E, SVC-L, SVC)	Lateral horizontal lifting clamps (GVC-R, GVC-E, HLC-HE, HLC-U)	Steel beam lifting clamps (HLC-S/M)	Screw cam clamps (SCC, SCC-N, SJC, SJC-S, SDG-S/N/W/N, SWG-S/N)	Lifting hooks (HH)				
					Lifting capacity rate →	100%	96%	86%
					Clamp rated capacity (for 2 pcs)	Maximum allowable rated load for 2 clamps (ton)		
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	0.5 × 2 pcs = 1 ton	1	0.96	0.86
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1 × 2 pcs = 2 ton	2	1.9	1.7
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1.5 × 2 pcs = 3 ton	3	2.9	2.6
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2 × 2 pcs = 4 ton	4	3.8	3.4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	3 × 2 pcs = 6 ton	6	5.8	5.2
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	5 × 2 pcs = 10 ton	10	9.6	8.6
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	6 × 2 pcs = 12 ton	12	11.5	10.3
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	7 × 2 pcs = 14 ton	14	13.44	12.04
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10 × 2 pcs = 20 ton	20	19.2	17.2

★The allowable lifting angle may differ according to the lifting clamp type and rated capacity. Always read carefully the operation manual of the purchased lifting clamps before use, and observe the precautions for safe operation.

★When lifting with 2 lifting clamps or more (with 2 lifting points or more), always use clamps of the same model and same rated capacity.

How to read the correlation table

(Example) lifting of a 5.5 ton steel load with 2 lifting points and the following lifting angles

A) When the lifting angle is at 0° (vertical lifting)

- In the column 0° of the correlation table, look for the smallest value above 5.5 ton. It is "6 ton", in the 5th row from the top.
- Then from the "6 ton" row determined in step (1), look for the clamp rated capacity on the left. It is "3 x 2 pcs = 6 ton".
Therefore, use 2 pcs of 3 ton lifting clamps.

B) When the lifting angle is at 60° (with same lifting load as above)

- In the column 60° of the correlation table, look for the smallest value above 5.5 ton. In this case it is "8.6 ton", in the 6th row from the top.
- Then from the "8.6 ton" row determined in step (1), look for the clamp rated capacity on the left. It is "5 x 2 pcs = 10 ton".
Therefore, use 2 pcs of 5 ton lifting clamps.



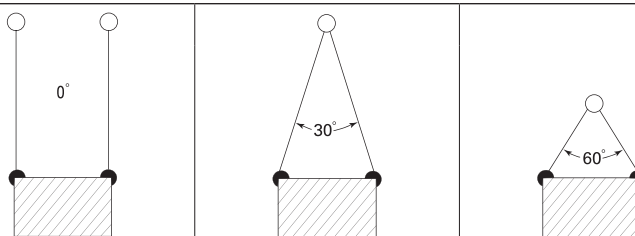
Always use clamps with same model and same rated capacity.

Lifting angle and rated load of wire rope

The maximum rated capacity of wire ropes also differs according to the lifting angle. Therefore, after paying attention to the lifting angle, always use wire ropes with the appropriate diameter.

Correlation table between the lifting angle and the applicable load for wire rope (for 2-point lifting)

■ JIS G 3525 6×24 A type

D wire rope diameter (mm)	W rated load (for 1 single rope) [Safety factor] S=6 (ton)			
		(Change in % of the lifting capacity rate according to the lifting angle)		
		100%	96%	86%
Maximum allowable load (rated load) for 2 wire ropes (ton)				
6	0.30	0.60	0.57	0.51
8	0.53	1.07	1.03	0.92
9	0.67	1.35	1.30	1.16
10	0.83	1.67	1.61	1.44
12	1.20	2.41	2.32	2.08
14	1.64	3.28	3.15	2.83
16	2.14	4.28	4.12	3.69
18	2.72	5.44	5.23	4.69
20	3.35	6.70	6.44	5.77
22	4.06	8.12	7.81	7.00
24	4.82	9.65	9.28	8.32
26	5.66	11.3	10.8	9.76
28	6.58	13.1	12.6	11.3
30	7.55	15.1	14.5	13.0
32	8.58	17.1	16.5	14.8
36	10.8	21.7	20.8	18.7
40	13.4	26.8	25.8	23.1

Lifting angle and rated load correlation table

Table for main steel material weight

Calculation formula of a wire rope diameter and rated load (for 1 single rope)

* Refer to the calculated values as rough indications.

① $D = \sqrt{W \times C}$

② $W = \frac{D^2}{C}$

D= wire rope dia. (mm)
W= rated load (ton)
C= 120 (constant)
(with Safety factor S = 6)

★ When looking for the required wire rope diameter to lift a 3 ton load

① $D = \sqrt{W \times C}$

$D = \sqrt{3 \times 120} = \sqrt{360} = 19 \rightarrow$

20mm

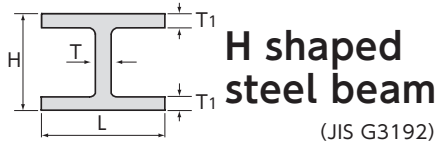
★ When looking for the maximum capacity (rated load) of a wire rope with 12mm diameter

② $W = \frac{D^2}{C}$

$W = \frac{12^2}{120} = \frac{144}{120} = 1.2 \rightarrow$

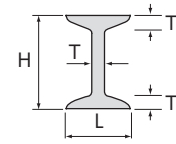
1.2ton

Table for main steel material weight (unit : kg)



H shaped steel beam
(JIS G3192)

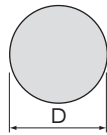
Standard cross section size (mm)			Unit weight kg/m	Weight of 1 beam (kg)				
HxL	T	T1		6m	8m	10m	12m	15m
100×50	5	7	9.3	55.8	74.4	93	112	140
100×100	6	8	16.9	101	135	169	203	254
125×125	6.5	9	23.6	142	189	236	283	354
150×75	5	7	14	84	112	140	168	210
148×100	6	9	20.7	124	166	207	248	311
150×150	7	10	31.1	187	249	311	373	467
175×175	7.5	11	40.4	242	323	404	485	606
200×100	5.5	8	20.9	125	167	209	251	314
194×150	6	9	29.9	179	239	306	359	449
200×200	8	12	49.9	299	399	499	599	749
250×250	9	14	71.8	431	574	718	862	1077
294×200	8	12	55.8	335	446	558	670	837
300×300	10	15	93	558	744	930	1116	1395
350×350	12	19	135	810	1080	1350	1620	2025
400×200	8	13	65.4	392	523	654	785	981
400×400	13	21	172	1032	1376	1720	2064	2580
488×300	11	18	125	750	1000	1250	1500	1875



I shaped steel beam

(JIS G3192)

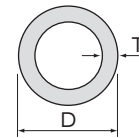
Standard cross section size (mm)			Unit weight kg/m	Weight of 1 beam (kg)				
HxL	T	T1		6m	8m	10m	12m	15m
100×75	5	8	12.9	77.4	103	129	155	194
125×75	5.5	9.5	16.1	96.6	129	161	193	242
150×75	5.5	9.5	17.1	103	137	171	205	256
150×125	8.5	14	36.2	217	290	362	434	543
180×100	6	10	23.6	142	189	236	283	354
200×100	7	10	26	156	208	260	312	390
200×150	9	16	50.4	302	403	504	605	756
250×125	7.5	12.5	38.3	230	306	383	460	574
250×125	10	19	55.5	333	444	555	666	832
300×150	8	13	48.3	290	386	483	580	724
300×150	10	18.5	65.5	393	524	655	786	982
300×150	11.5	22	76.8	461	614	768	922	1152
350×150	9	15	58.5	351	468	585	702	878
350×150	12	24	87.2	523	698	872	1046	1308
400×150	10	18	72	432	576	720	864	1080
400×150	12.5	25	95.8	575	766	958	1150	1437
450×175	11	20	91.7	550	734	917	1100	1376
450×175	13	26	115	590	792	990	1188	1485
600×190	13	25	133	798	1064	1330	1596	1995
600×190	16	35	176	1056	1408	1760	2112	2640



Round steel bar

(JIS G3191)

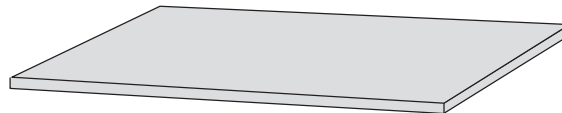
D dia. (mm)	Unit weight kg/m	Weight of 1 beam (kg)						
		4m	4.5m	5m	5.5m	6m	8m	10m
70	30.2	121	136	151	166	181	242	302
75	34.7	139	156	174	191	208	278	347
80	39.5	158	178	198	217	237	316	395
85	44.5	178	200	222	245	267	356	445
90	49.9	200	225	250	274	299	399	499
95	55.6	222	250	278	306	334	445	556
100	61.7	247	278	308	339	370	494	617
110	74.6	298	336	373	410	448	597	746
120	88.8	355	400	444	488	533	710	888
130	104	416	468	520	572	624	832	1040
140	121	484	544	605	666	726	968	1210
150	139	556	625	695	764	834	1112	1390
160	158	632	711	790	869	948	1264	1580
180	200	800	900	1000	1100	1200	1600	2000
200	247	988	1112	1235	1358	1482	1976	2470



Carbon steel pipe for pipping (gas pipe)

(JIS G3452)

Size name		D external dia. (mm)	T thickness (mm)	Weight without socket (kg)				
A	B			1m	4m	4.5m	5m	5.5m
90	3½	101.6	4.2	10.1	40.4	45.4	50.5	55.6
100	4	114.3	4.5	12.2	48.8	54.9	61	67.1
125	5	139.8	4.5	15	60	67.5	75	82.5
150	6	165.2	5	19.8	79.2	89.1	99	109
175	7	190.7	5.3	24.2	96.8	109	121	133
200	8	216.3	5.8	30.1	120	135	150	166
225	9	241.8	6.2	36	144	162	180	198
250	10	267.4	6.6	42.4	170	191	212	233
300	12	318.5	6.9	53	212	238	265	292
350	14	355.6	7.9	67.7	271	305	338	372
400	16	406.4	7.9	77.6	310	349	388	427
450	18	457.2	7.9	87.5	350	394	438	481
500	20	508	7.9	97.4	390	438	487	536



Steel plate

(JIS G3193)

Thickness (mm)	Unit weight kg/m²	Weight of 1 plate (kg)			
		914×1829 (3×6)	1219×2438 (4×8)	1524×3048 (5×10)	1524×6096 (5×20)
4.5	35.32	59.1	105	164	328
6	47.1	78.8	140	219	438
9	70.65	118	210	328	656
12	94.2	158	280	438	875
16	125.6	210	373	583	1167
19	149.2	249	443	693	1386
25	196.2	328	583	911	1823
32	251.2	420	747	1167	2334
38	298.3	499	887	1386	2771

Thickness (mm)	Unit weight kg/m²	Weight of 1 plate (kg)			
		914×1829 (3×6)	1219×2438 (4×8)	1524×3048 (5×10)	1524×6096 (5×20)
40	314	525	933	1459	2917
45	353.2	591	1050	1641	3281
50	392.5	656	1167	1823	3646
60	471	788	1400	2188	4376
70	549.5	919	1633	2552	5105
80	628	1050	1806	2917	5834
90	706.5	1181	2100	3282	6563
100	785	1313	2333	3646	7293



Head Office



East Japan Logistic Center

COMPANY PROFILE

Company Name	Super Tool Co., Ltd.
Head Office & Factory	158, Minoyama, Naka-ku, Sakai-city, Osaka Pref., Japan
Founded	1918
Stock Listing	Listed in Japan Exchange Group (JPX) Standard
Capital	¥2,235,090,780
Website	https://www.supertool.co.jp



BUSINESS CONTENTS

We have been producing hand tools since the foundation of our company. For over a century, we have kept on developing new products under our business motto, “in pursuit of more safety and efficiency.” Our wide range of versatile products have been highly valued and welcomed in the domestic market as well as in many countries in the world.

- General Hand Tools All kinds of general hand tools, piping tools, other specialized tools.
- Industrial Machinery Tools Machinery maintenance equipment, processing fixtures and tools.
- Lifting Clamps For steel, for concrete materials.

Under our corporate philosophy that “product development is the way to contribute to the society, and to continue the business as a manufacturer”, since 1993 we have developed and released new products in new industrial fields and we have kept expanding our product range.

- Housing Equipment and Tools All kinds of general and specialized lifting clamps, tools, fixtures, etc.
- Handling Labor Saving Equipment Multi cranes, portable gate type cranes, all kinds of general and specialized lifting clamps, lifting hooks, etc.
- Magnetic Separation Equipment Magnetic Equipment.
- Measuring Tools Digital torque wrenches, mechanical torque wrenches.

We manufacture the above-mentioned products and distribute them through major and specialty trading companies to the domestic and overseas markets.

For more information, access our website.
Parts drawings and operation manuals
can be downloaded.



<https://www.supertool.co.jp>



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Web Site

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