LIFTING CLAMPS FOR STEEL

Vertical & lateral lifting clamps
P.117 ▶

Vertical lifting clamps
P.118 ▶

Lateral lifting clamps
P.123 ▶

Horizontal lateral lifting clamps, lifting hooks
P.125 ▶

Steel beam lifting clamps
P.126 ▶

Screw cam clamps
P.127 ▶

Beam clamps, safety belt clamps
P.132 ▶

Super foot locks, lifting hooks
P.133 ▶

Super lock hooks
P.134 ▶

Drum lift clamps
P.136 ▶

Lifting hooks for forklift, rail clamps
P.137 ▶

Reinforcing rod vertical lifting clamps
P.138 ▶

Vertical & lateral lifting clamps
Vertical lifting clamps
Lateral lifting clamps
Horizontal lateral lifting clamps, lifting hooks
Steel beam lifting clamps
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Lifting hooks for forklift, rail clamps
Reinforcing rod vertical lifting clamps

LIFTING CLAMPS FOR STEEL

For safe and efficient work, at every manufacturing and construction sites.

Supertool safe and secure lifting clamps.

1 The die-forging method for strong, safe and secure lifting clamp for steel

Die-forging is a method which consists of beating (hardening) the metal in order to mold it and yield a solider 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 obtain the product shape. By heating and beating the piece, the bubbles get pressure-bonded and this compensate the defects inside the metal. Thus, the metal crystal structure gets refined and improves the clamps' mechanical characteristics.

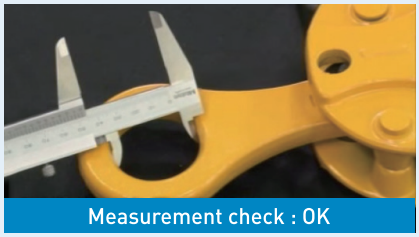
▶ "Metal Flow" for high resistance of products

With the die-forging method, the crystal structure gets refined and a formation called "Metal Flow", which take the shape of the product, is produced. This "Metal Flow" has lines looking like tree's growth rings, and these lines improve the metal toughness and shock resistance.

2 High functionality and high quality maintained by a safe and secure 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 more than 3 times heavier than the rated capacity is applied to the super clamps.

Measurement check : OK



Measurement check : OK

Operation check : OK

Visual check : OK

[Tested model : SVC1H (1 ton capacity)]

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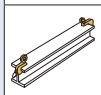
CLAMP USE CHART

○ Compliant item △ Item that can be used

			GVC–R	SVC–(H/HN/WH/WHN/E/L)	GVC-E	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	SCC/–W
																
Page number			P.117	P.118~121	P.122	P.123	P.124	P.125	P.126	P.125	P.127	P.128	P.129	P.130	P.130	P.131
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)		○		○	○	○	○		○	○	○	○	○	○	△
	H shaped steel beam		○													
			*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.													
			○	○							○	○				○
			○		○	○	○	○		○	○	○	○	○	○	△
			○		○	○	○	○	○			○	○		○	
			*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.													
			○		○	○	○	○			○	○	○	○	○	△
							○			○						
	I shaped steel beam		○		○	○	○	○		○	○	○	○	○	○	△
	U shaped steel beam		○		○	○	○	○		○	○	○	○	○	○	△
	Angle steel beam		○		○	○	○		○			○	○		○	△
			*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.													
	Pipe (vertical lifting)			○							○	○				○
	Pipe (lateral 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.

★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284~286

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GVC-R

VERTICAL & LATERAL LIFTING CLAMP (Lock Handle Type)

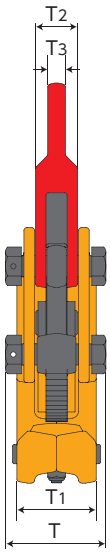
Cam, pad line type

MOVIE

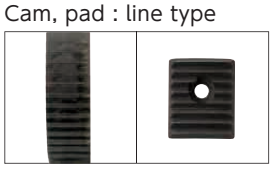
For the New Products page, see P.4

▶ 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.



Cam, pad : line type



TIGHTENING AND RELEASING LOCK MECHANISM

▮Tightening lock mechanism

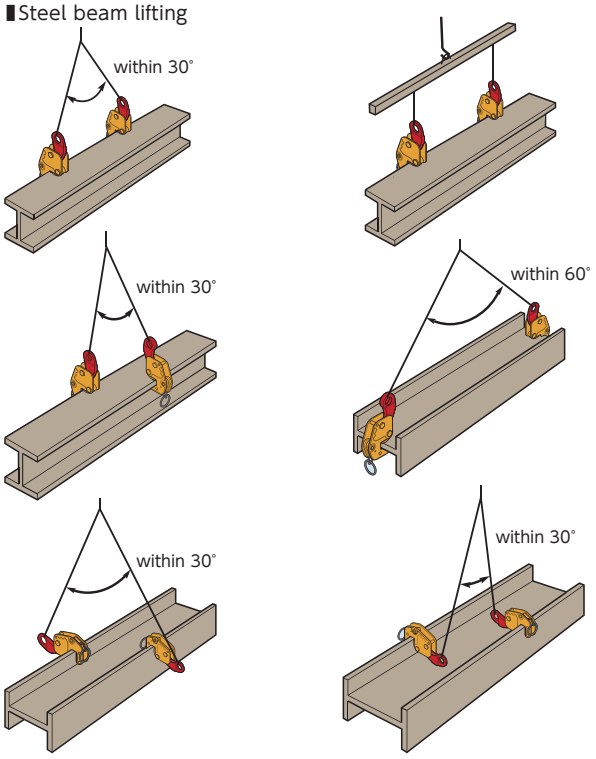
When you pull downward the lock handle, the lock gets set and the clamp grips firmly the workpiece. This lock is very safe and even if the sling rope loosens, or if a shock occurs, the clamp will not come off.

▮Releasing lock mechanism

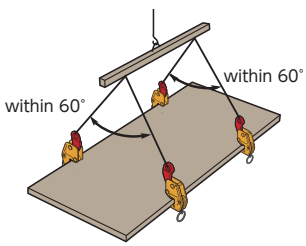
When you pull upward the lock handle, the lock gets released. Never attempt a lifting operation in this state. It would be dangerous as the tightening would be insufficient.

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

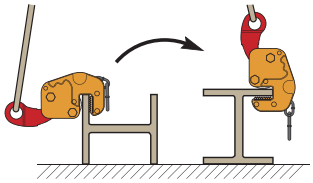
▮Steel beam lifting



▮Steel plate lifting



▮Steel beam turning-over



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	30	26	55	45	24	10	2.6
GVC1R	1	0~25	130	62	26	10	278	183	40	28	35	30	64	52	29	12	4.5

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Reinforcing rod vertical lifting clamps

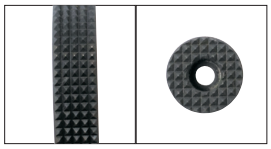
SVC-H • SVC-WH • SVC-HN • SVC-WHN

MOVIE

VERTICAL LIFTING CLAMP (Lock Handle Type)

SVC0.5H~5WH

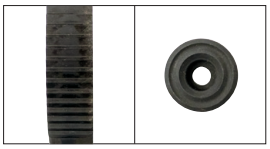
Cam, pad cross type, normal pitch



(P=3.0)

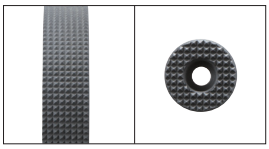
SVC7H~10WH

Cam, pad line type



SVC-HN • SVC-WHN

Cam, pad cross type, fine pitch



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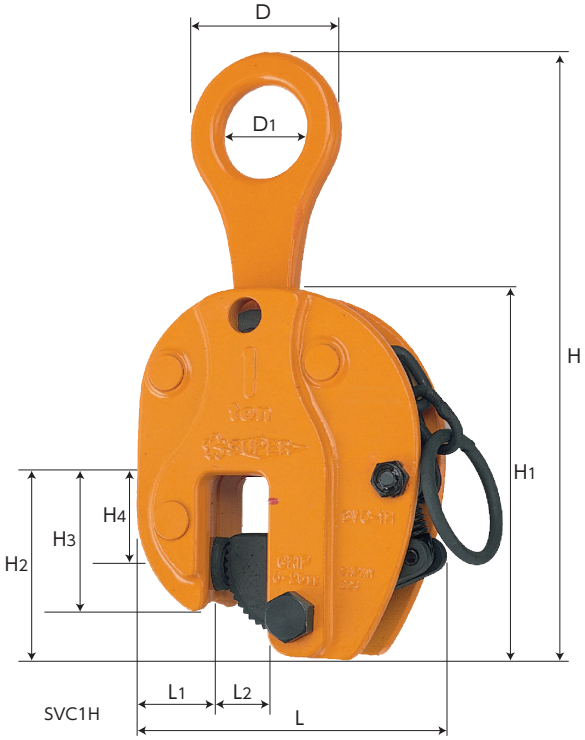
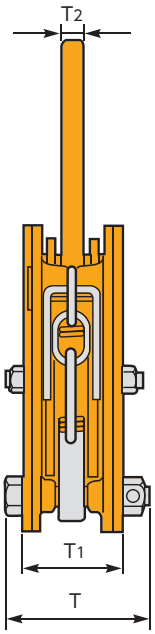
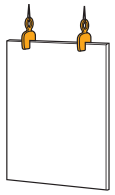




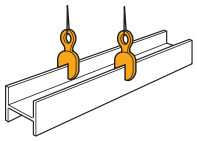
Example of use

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

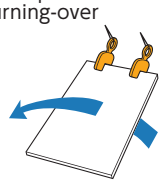
Steel plate vertical lifting



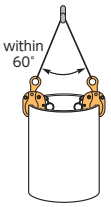
Steel beam lifting



Steel plate turning-over



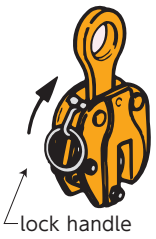
Pipe lifting



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

- Standard clamp for vertical lifting of steel plates and other steel structures.
- The tightening lock mechanism (Lock Handle Type).
- Including a releasing lock pin for 7 & 10 ton.
- (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.

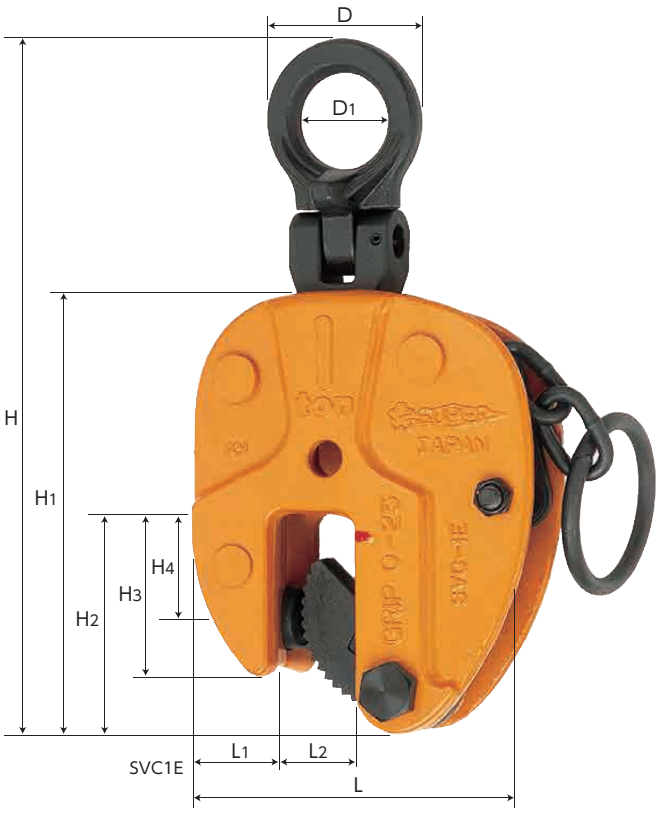
★The product parts drawings and operation manual can be downloaded from our website.

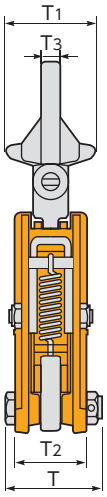
●For all the appendix, please refer to P.284~286

SVC-E

VERTICAL LIFTING CLAMP (Lock Handle Type with Universal Shackle)

Cam, pad cross type, normal pitch



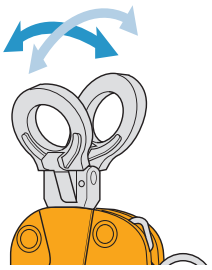


▶ Features

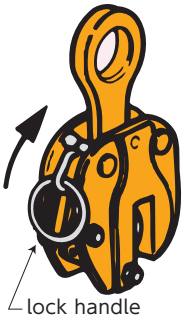
- For vertical lifting of steel plates and other steel structures, with more lifting directions possible and light-weight type.
- The spring-type tightening lock mechanism assures a positive initial clamp force.

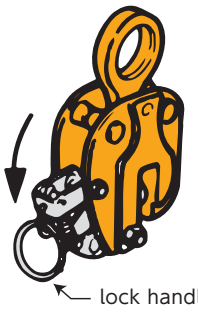
UNIVERSAL SHACKLE TYPE

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



TIGHTENING AND RELEASING LOCK MECHANISM





▮Tightening lock mechanism

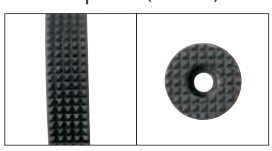
When you pull upward the lock handle, the lock gets set and the clamp grips firmly the workpiece. This lock is very safe and even if the sling rope loosens, or if a shock occurs, the clamp will not come off.

▮Releasing lock mechanism

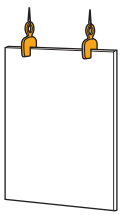
When you pull downward the lock handle, the lock gets released. Never attempt a lifting operation in this state. It would be dangerous as the tightening would be insufficient.

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

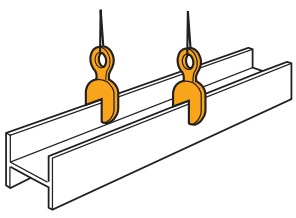
Cam, pad : cross type, normal pitch (P=3.0)



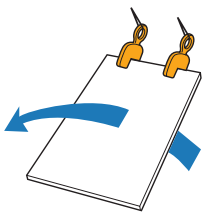
▮ Steel plate vertical lifting



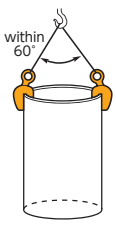
▮ Steel beam lifting



▮ Steel plate turning-over



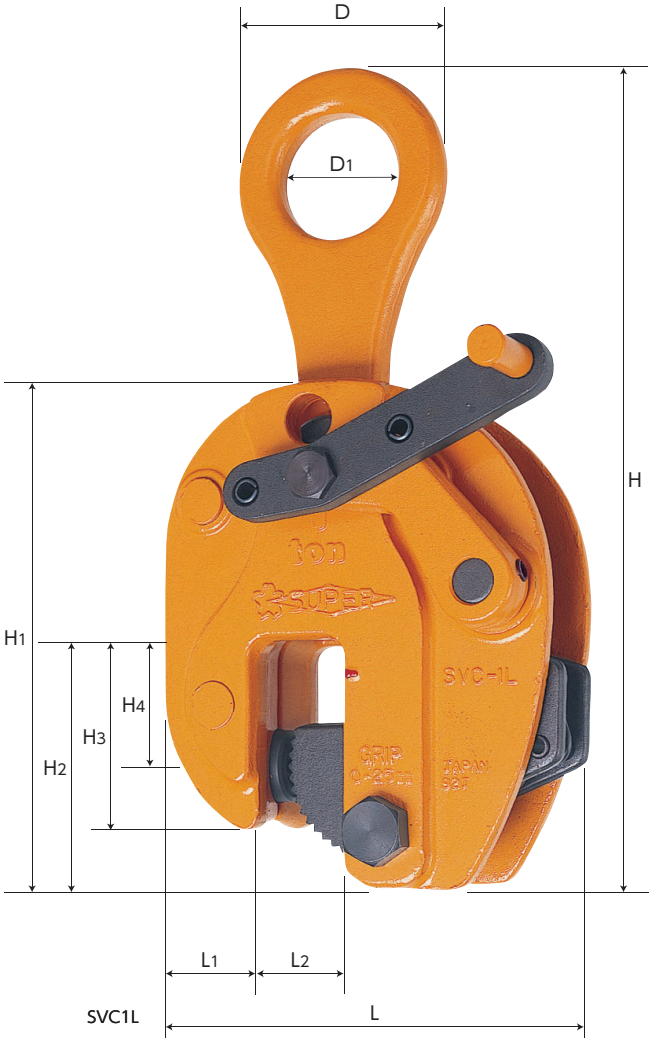
▮ Pipe lifting

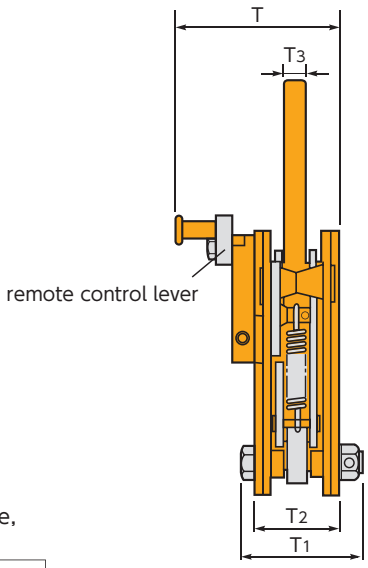


When lifting a pipe, position the clamps so that they face each other as shown on the drawing. (the lifting angle of the sling rope must be kept within 60° .)

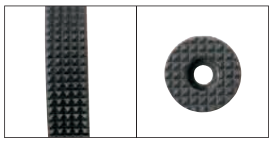
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)														N.W. (kg)
			L	L1	L2	H (MAX)	H1	H2	H3	H4	D	D1	T	T1	T2	T3	
SVC0.3E	0.3	0~16	100	25	19	176	110	57	48	30	45	26	50	39	36	8	1.6
SVC0.5E	0.5	0~19	110	28	22	204	125	67	53	34	52	30	55.5	45	40	10	2.1
SVC1E	1	0~25	130	35	29	257	160	80	60	38	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

★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284~286





Cam, pad : cross type, normal pitch (P=3.0)



SVC-L

VERTICAL LIFTING CLAMP (Lock Lever Type)

Cam, pad cross type, normal pitch

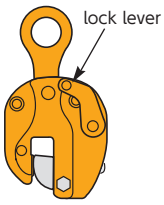
▶ Features

- 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.

▶ Accessories

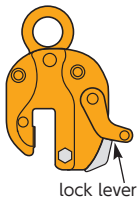
- Remote control lever
- Remote control rope

TIGHTENING AND RELEASING LOCK MECHANISM



Tightening lock mechanism

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

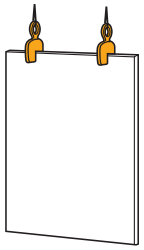


Releasing lock mechanism

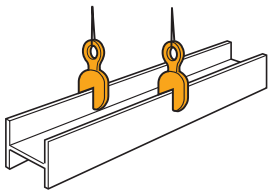
- When you push downward the lock lever, the cam retracts inside the main body, the releasing lock gets set and the release position is locked.
- With the remote control lever, it is easy to unlock and remove the clamp from high places.

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

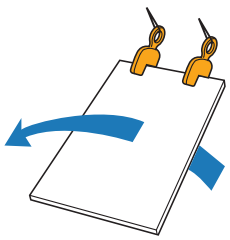
Steel plate vertical lifting



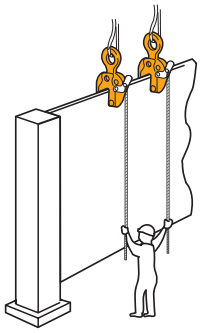
Steel beam lifting



Steel plate turning-over



Including a remote control rope

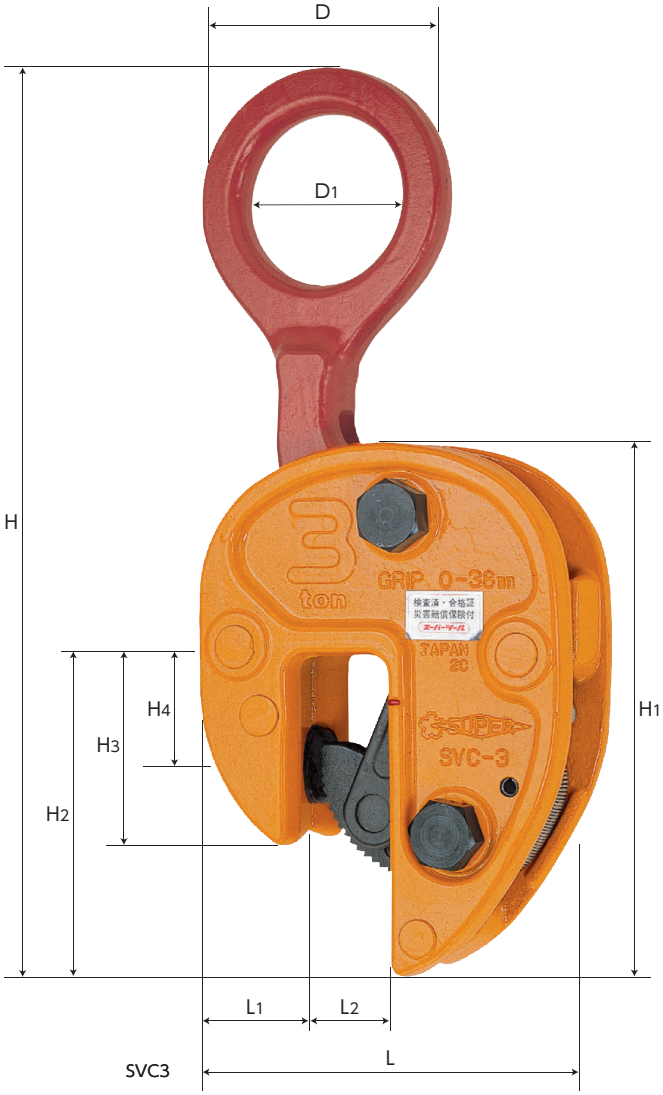


Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)														N.W. (kg)
			L	L1	L2	H (MAX)	H1	H2	H3	H4	D	D1	T	T1	T2	T3	
SVC0.5L	0.5	0~19	131	36	26	250	158	80	60	36	64	36	89 (80)	67	49	12	3
SVC1L	1	0~25	152	42	32	310	185	90	69	45	85	48	113 (104)	81	59	16	6
SVC2L	2	0~30	172	48	39	375	210	100	77	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.

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286



SVC

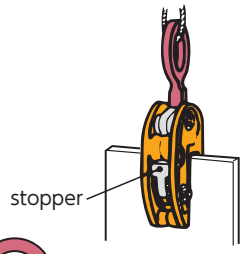
VERTICAL LIFTING CLAMP (Open Lock Type)

Cam, pad cross type, normal pitch

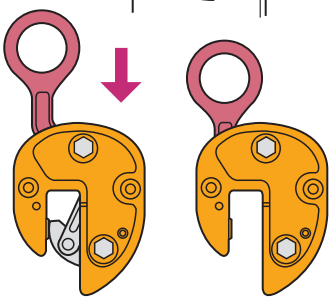
▶ Features

- 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 AND RELEASING LOCK MECHANISM



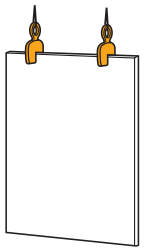
▮ Tightening lock mechanism
When you push the stopper, a click sound is heard and the clamp grips firmly the workpiece.



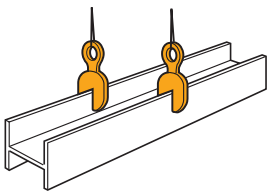
▮ Releasing lock mechanism
When you fully push downward the shackle as shown in the drawing, the cam retracts inside the main body, the releasing lock gets set and the release position is locked.

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

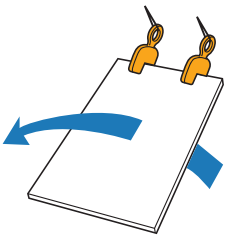
▮ Steel plate vertical lifting



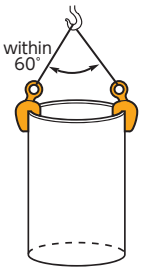
▮ Steel beam lifting



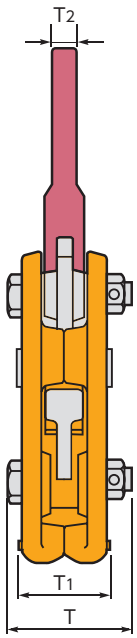
▮ Steel plate turning-over



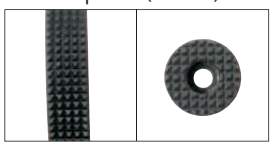
▮ Pipe lifting



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° .)



Cam, pad : cross type, normal pitch (P=3.0)



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

★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284~286

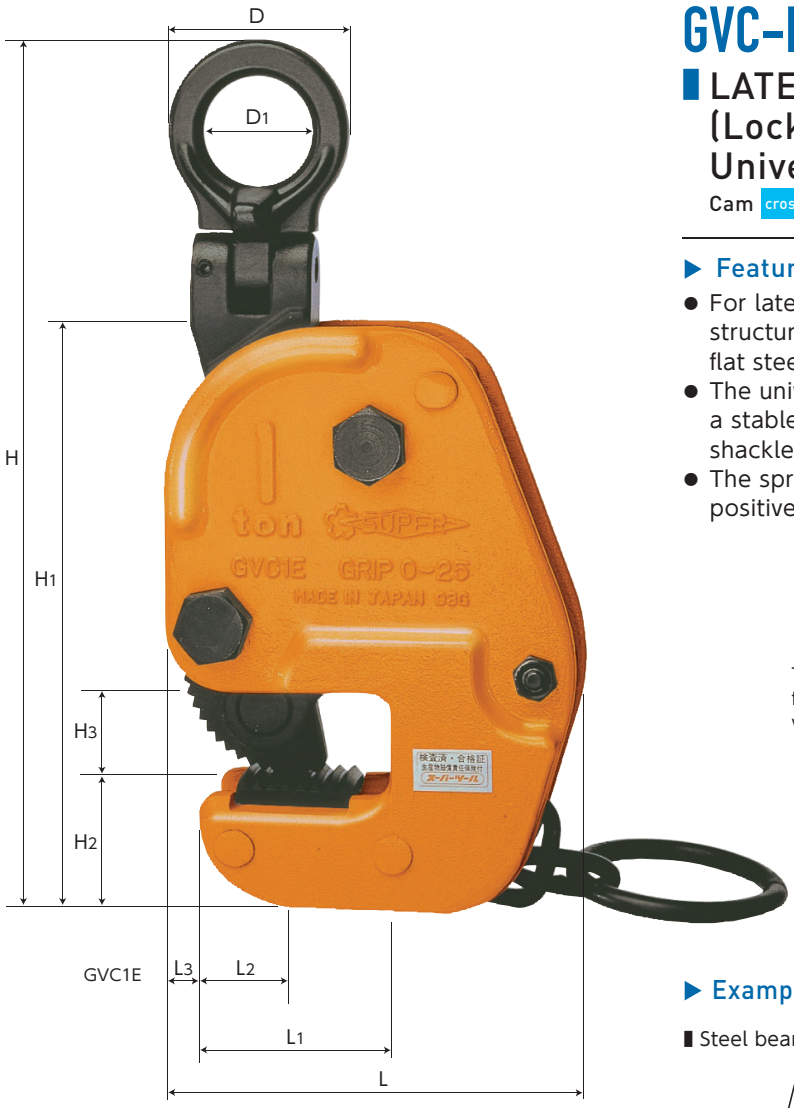
GVC-E

LATERAL LIFTING CLAMP (Lock Handle Type with Universal Shackle)

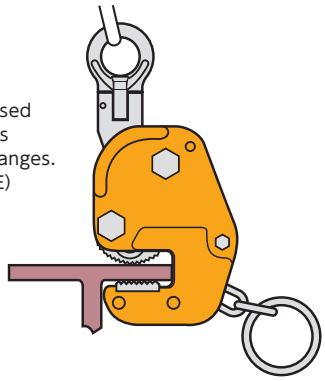
Cam cross type, normal pitch Pad line type

▶ Features

- For lateral (horizontal) lifting of steel beams for structure (H beam, I beam, T beam, L beam, etc.) and flat steel bars.
- The universal shackle and the arc-shaped pad provide a stable lateral (horizontal) clamping force (universal shackle type).
- The spring-type tightening lock mechanism assures a positive initial clamp force (lock handle type).

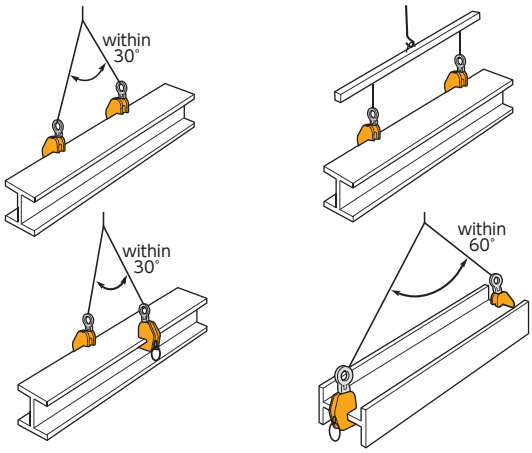


This clamp can be used for clamping I beams with 100mm wide flanges. (GVC0.35E,GVC0.5E)



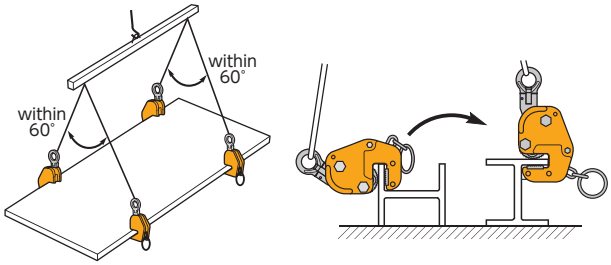
▶ Example of use ⚠ Always lift a load at 2 or more points for safety.

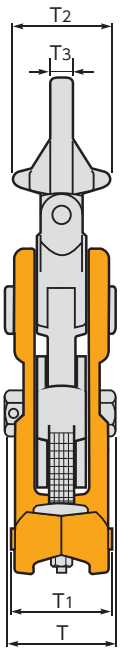
▮ Steel beam lifting



▮ Steel plate lifting

▮ Steel beam turning-over





Cam : cross type, normal pitch (P=3.0)

Pad : line type

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

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286

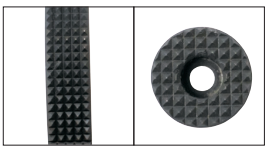
HLC-H • HLC-WH • HLC-HN • HLC-WHN

MOVIE

LATERAL LIFTING CLAMP (Lock Handle Type)

HLC0.5H~5WH

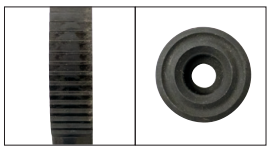
Cam, pad cross type, normal pitch



(P=3.0)

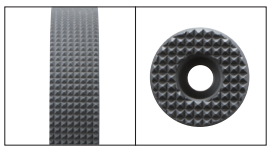
HLC7H~10WH

Cam, pad line type

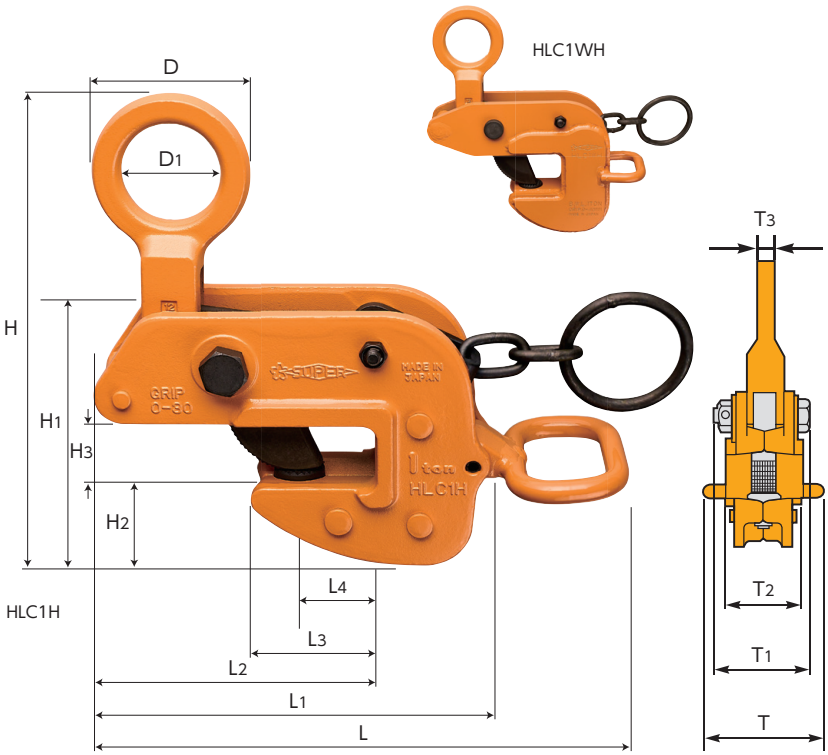


HLC-HN • HLC-WHN

Cam, pad cross type, fine pitch



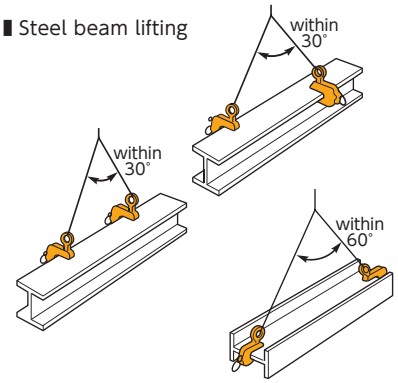
(P=2.0)



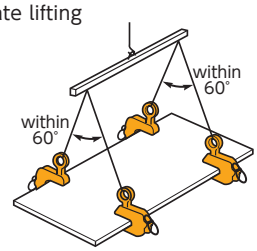
▶ Example of use

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

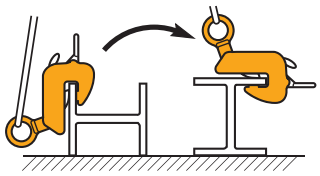
Steel beam lifting



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.

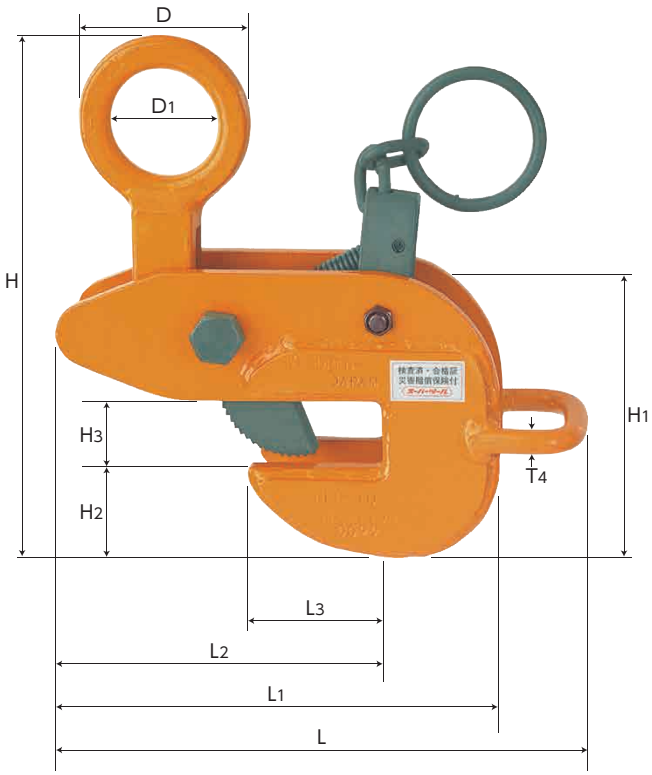
★The product parts drawings and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286

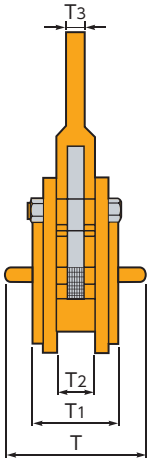
HLC-U

LATERAL LIFTING CLAMP (Split Jaw Type)

Cam cross type, normal pitch



HLC1U

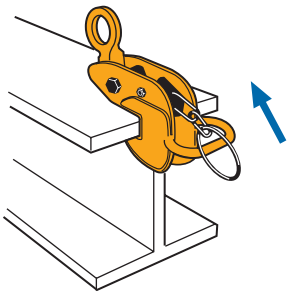


Cam : cross type, normal pitch (P=3.0)

▶ 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.

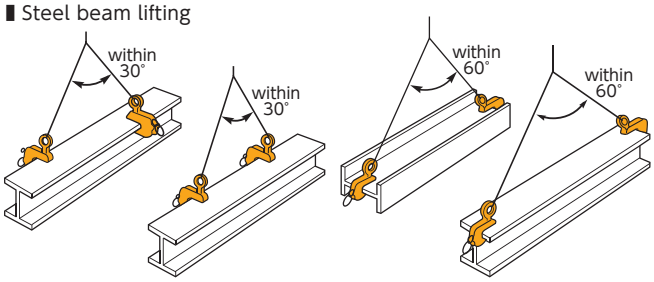
As the clamping part is split, this clamp can also be set in the direction shown in the drawing.



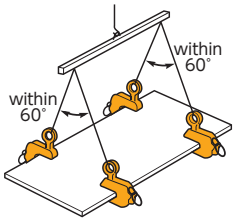
▶ Example of use

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

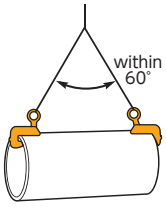
▮ Steel beam lifting



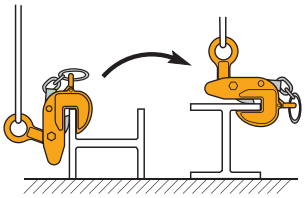
▮ Steel plate lifting



▮ Pipe lifting



▮ Steel beam turning-over

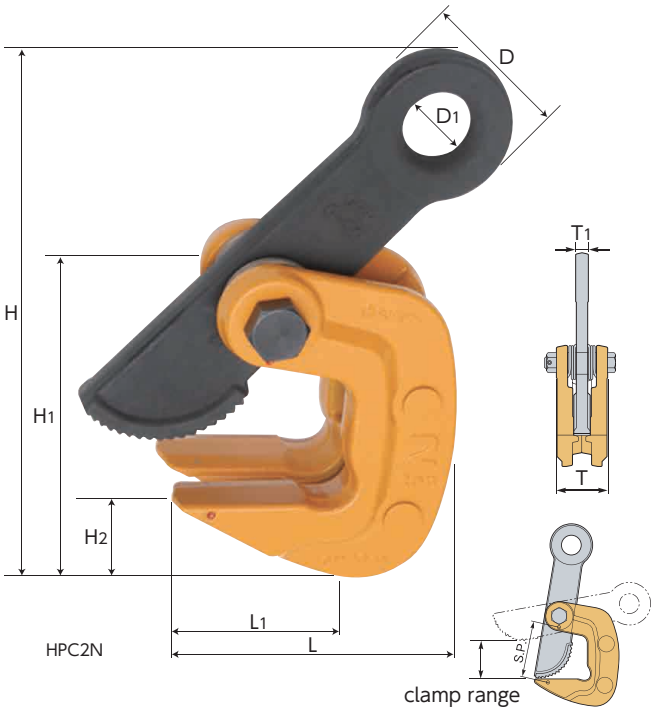


Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)															N.W. (kg)
			L	L1	L2	L3	H (MAX)	H1	H2	H3	D	D1	T	T1	T2	T3	T4	
＊ **HLC0.5U**	0.5	0～25	212	170	130	56	208	112	35	28	65	40	84	57	27	12	12	3.2
＊ **HLC1U**	1	0～30	250	208	152	65	246	141	46	33	80	50	84	64	34	16	12	5.1
＊ **HLC2U**	2	0～35	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.

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284～286



HPC-N

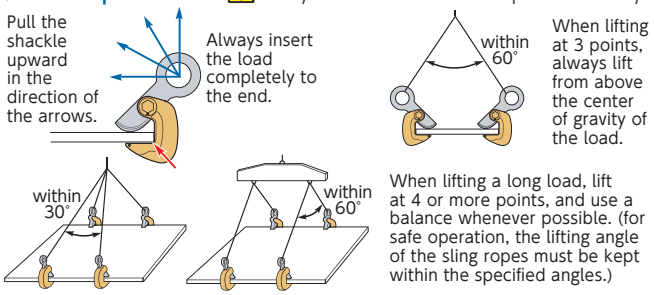
HORIZONTAL LATERAL LIFTING CLAMP

▶ Features

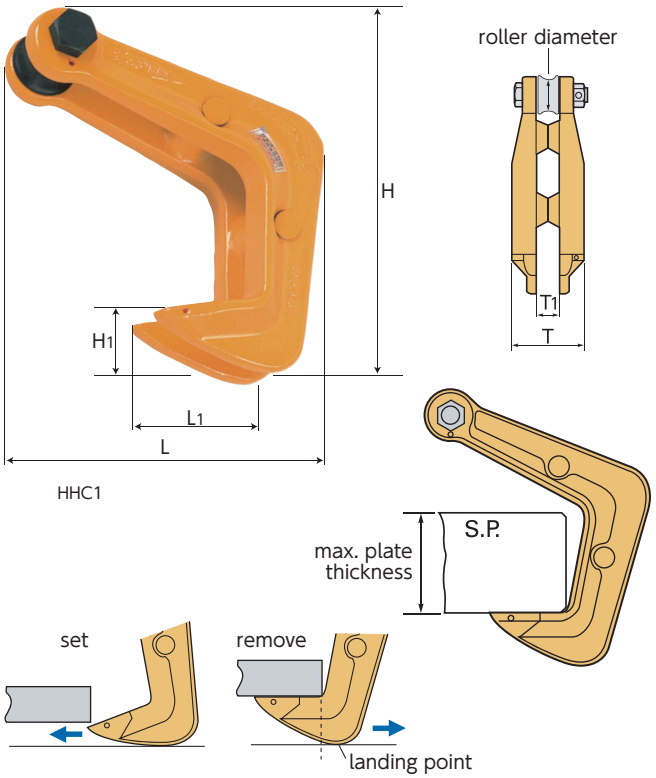
- For lateral (horizontal) lifting of steel plates, flat steel bars, H beams, etc.
- With the spring mechanism, it is unnecessary to hold the clamp after setting it onto the load. And when the load lands on the floor, the initial clamp force assures that the clamp does not come off.
- The clamp body can be easily checked for deformation by measuring the safety points.

▶ Example of use

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



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



HHC

LIFTING HOOK

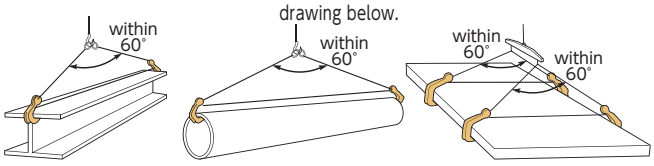
▶ Features

- 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.
- Safety points are marked on the body to prevent overload incident.

▶ 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.

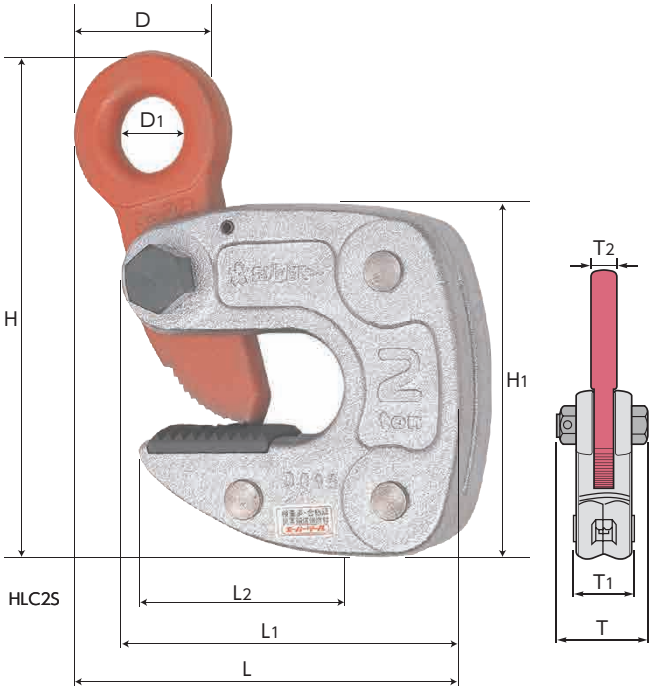


∗ Conduct daily inspection to confirm that all parts are functioning properly. Especially, always check carefully the use limit of the safety points.

Item No.	Rated capacity (ton)	Size (mm)								N.W. (kg)
		Max. plate thickness	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

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286



HLC-S • HLC-W

STEEL BEAM LIFTING CLAMP

Cam, pad line type

▶ Features

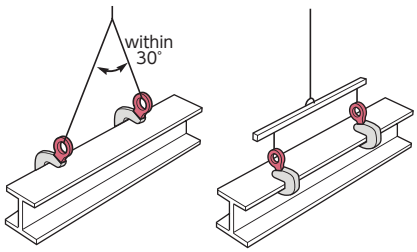
- Special clamp for lateral lifting of steel structures (H beam, I beam, T beam, L beam, etc.) (light-weight and compact type).
- When lifting a steel beam, it will be almost perfectly horizontal, assuring efficient operability.
- With the spring mechanism, no need to hold the clamp by hand when you 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.
- This clamp is designed with ideal mechanic properties, making it light-weight, compact, easy to use and safe.
- The action of the arc-shaped pad provides a stable clamping force.


HLC0.5S

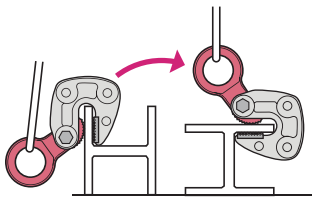

HLC1W

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

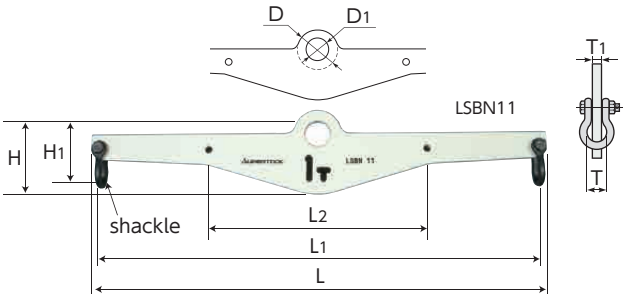
▮ Steel beam lifting



▮ Steel beam turning-over



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



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.

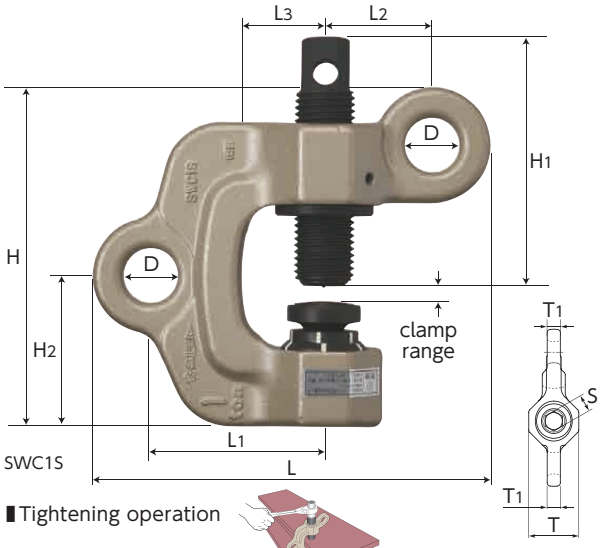
∗ Use the item size adapted to the load size or weight.

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						27
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						62
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						83
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						125

∗ Other rated capacity or span are available upon request.

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286



SWC-S

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

MOVIE

▶ 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.

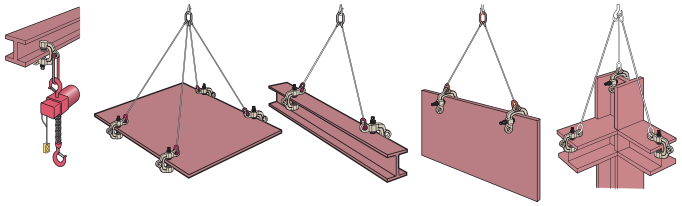
▶ Accessories

- 17x21 Double Size Ratchet Wrench (Short Type)

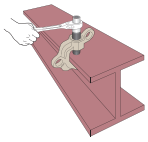
▶ Example of use

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

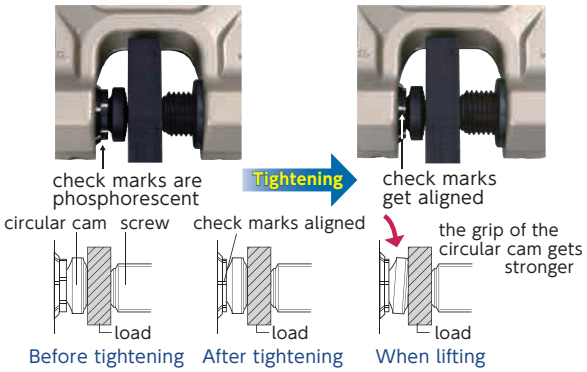
Industry-first. With a design unique among the conventional screw type clamps, the screw tightening can always be done at the operator's side.



▮Tightening operation

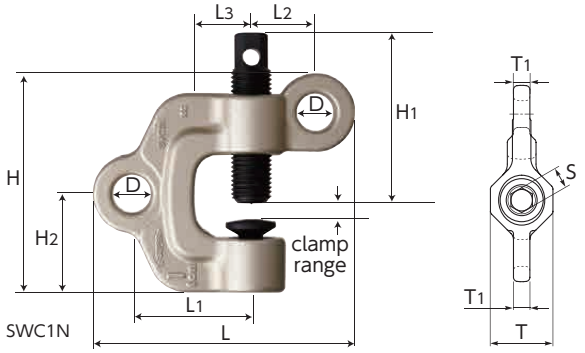


▮Visual safety check



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).



SWC-N

SCREW CAM CLAMP (Double Eye Type) PAT.

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

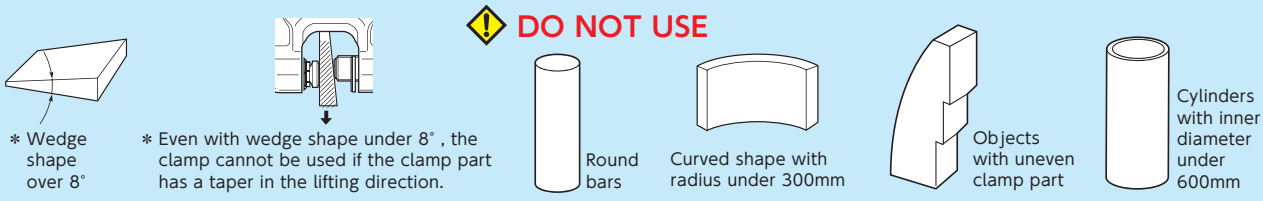
▶ Accessories

- 17x21 Double Size Ratchet Wrench (Short Type)

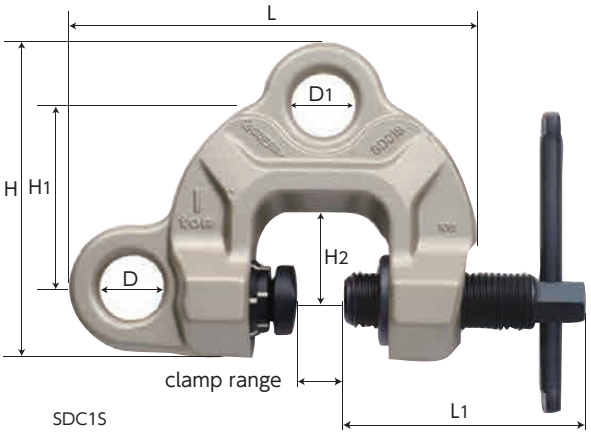
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)											N.W. (kg)
			L	L1	L2	L3	H	H1	H2	D	T	T1	S	
SWC0.5N	0.5	0~25	147	63	39	30	122	89	45	22	46	14	21	1.8
SWC1N	1	0~40	185	84	45	40	156	121	58.5	26	50	16	21	3.2
SWC2N	2	0~40	215	94	53	40	170	121	63.5	32	60	18	21	5.0

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

＊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.



★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284~286



SDC1S

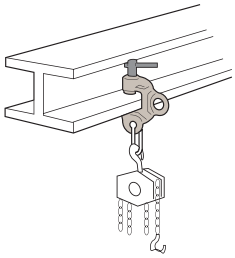
SDC-S

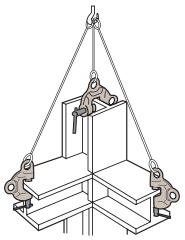
SCREW CAM CLAMP (Double Eye Type) Twist Cam Type PAT.

▶ Features

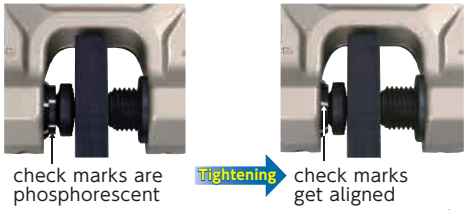
- All-purpose clamp that can be used for a variety of operations such as lifting up and down, lateral pulling and turning over.
- Adequacy of tightening can be visually confirmed by secure and safe structure of the twist cam.
- The tightening mechanism with a screw and a circular cam (special spring 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.

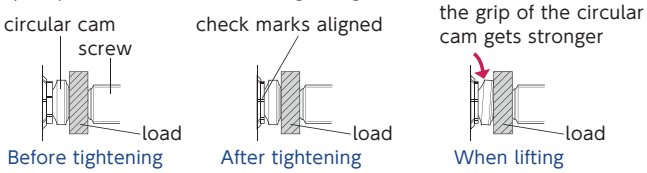
▶ Example of use ⚠ Always lift a load at 2 or more points for safety.





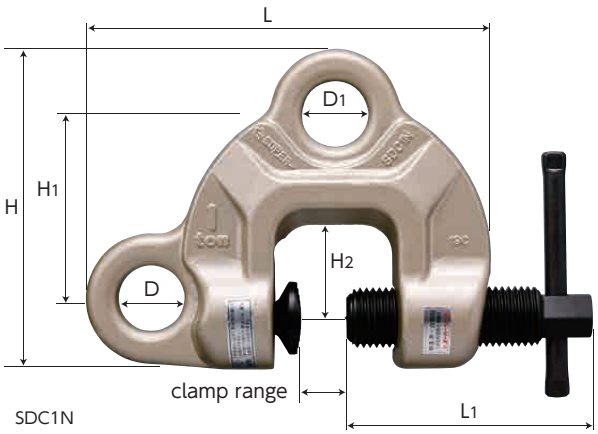
▮Visual safety check



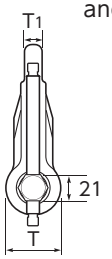


Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	H	H1	H2	D	D1	T	T1	S	
SDC0.5S	0.5	0~25	158	89	121	71.5	30	27	27	46	13	17	1.9
SDC1S	1	0~40	208	121	161	94	45	32	32	54	14	21	3.6
SDC2S	2	0~40	227	121	177	105	45	36	32	60	18	21	4.8
SDC3.2S	3.2	0~40	252	136	196	118.5	50	45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



SDC1N



SDC-N • SDC-WN

SCREW CAM CLAMP (Double Eye Type) PAT.

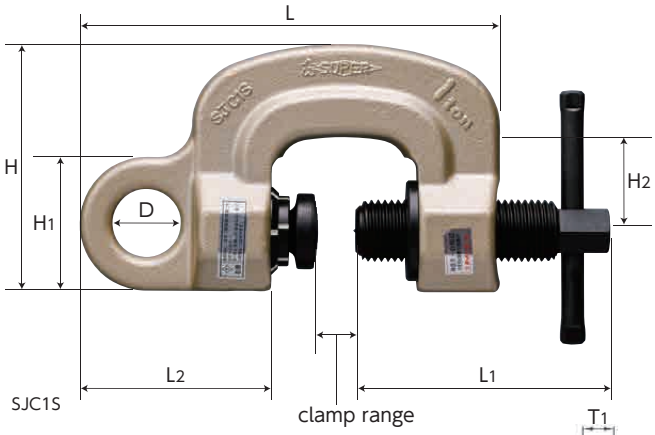
＊ The features (except the twist cam with check marks) and the examples of use are the same as SDC-S.

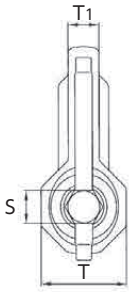
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)									N.W. (kg)
			L	L1	H	H1	H2	D	D1	T	T1	
SDC0.5N	0.5	0~25	145.5	89	119	68.5	30	27	27	46	15	2.0
SDC1N	1	0~40	199	121	157	90	45	32	32	50	16	3.4
SDC1.5WN	1.5	10~50	214	121	164	96	45	36	32	50	18	6.0
SDC2N	2	0~40	215	121	168.5	96	45	36	32	55	19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

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

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286





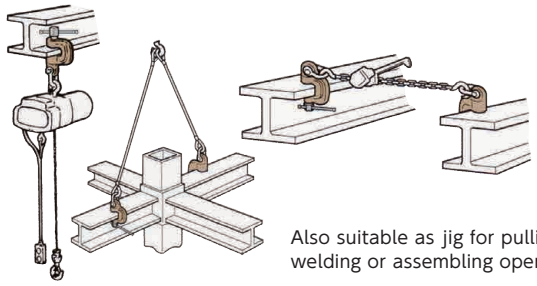
SJC-S

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

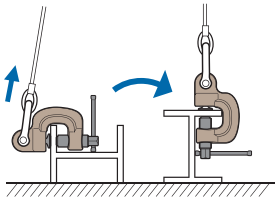
▶ Features

- 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.

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

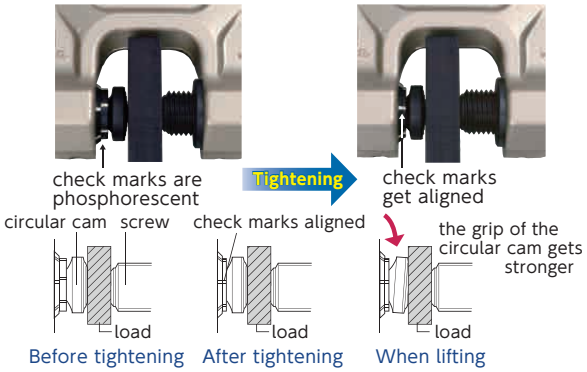


Also suitable as jig for pulling in welding or assembling operations.



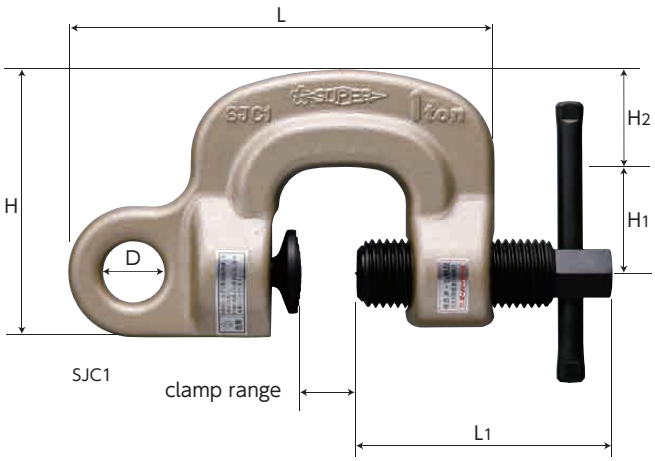
Also suitable for steel beam turning-over.

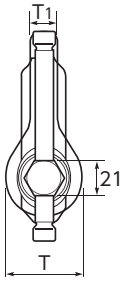
▮Visual safety check



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).





SJC

SCREW CAM CLAMP (Single Eye Type)

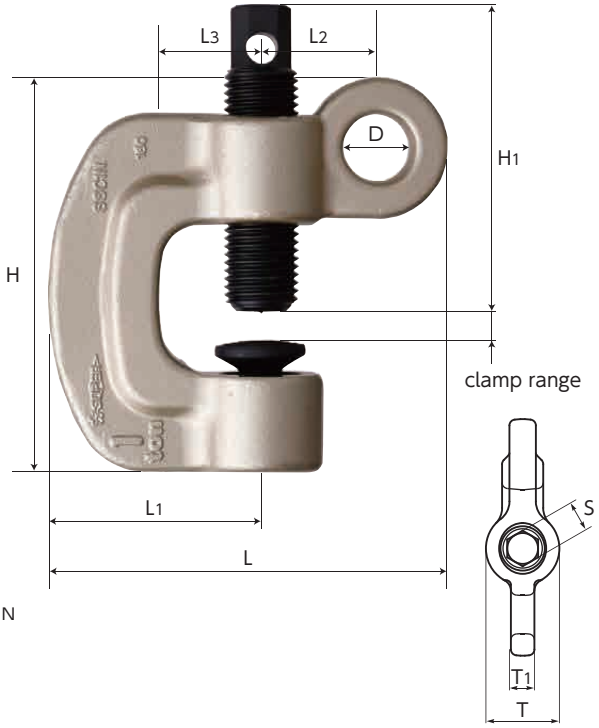
∗ The features (except the twist cam with check marks) and the examples of use are the same as SJC-S.

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

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

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286



SSC1N

SSC-N

SCREW CAM CLAMP (Single Eye Type) PAT.

▶ 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.

▶ Accessories

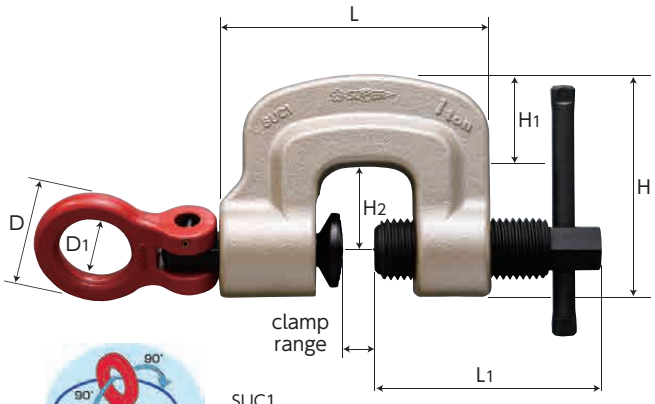
- 17x21 Double Size Ratchet Wrench (Short Type)

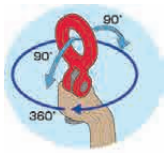
▶ Example of use

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

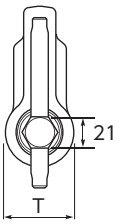
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)										N.W. (kg)
			L	L1	L2	L3	H	H1	D	T	T1	S	
SSC0.5N	0.5	0~25	129.5	68	39	30	122	89	22	46	16	21	1.8
SSC1N	1	0~40	161.0	88	45	40	156	121	26	50	18	21	3.2
SSC2N	2	0~40	186.0	100	53	40	170	121	32	60	28	21	5.0

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





SUC1



SUC

SCREW CAM CLAMP (Universal Shackle Type) PAT.

▶ 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	
SUC0.5	0.5	0~25	119.5	89	91	38	30	60	35	46	2.4
SUC1	1	0~30	129.5	109	108	45	40				3.0
SUC1.6	1.6	0~30	132.5		110			75	45	50	3.7
SUC3.2	3.2	0~40	165	136	130	55	45	80	50	60	6.0

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

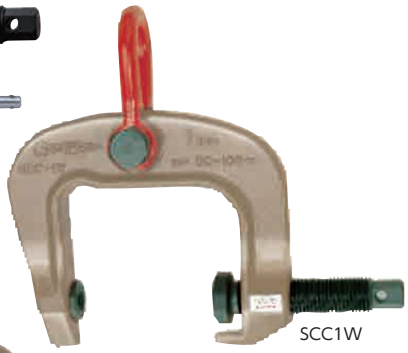
★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286

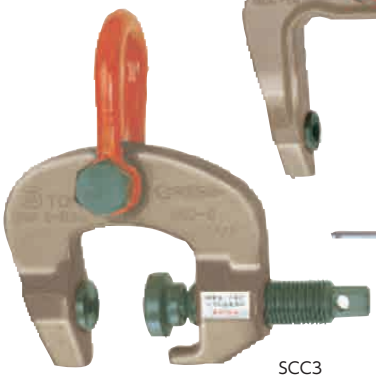
SCC • SCC-W • SCH0.5L

SCREW CAM CLAMP (All-purpose Type)

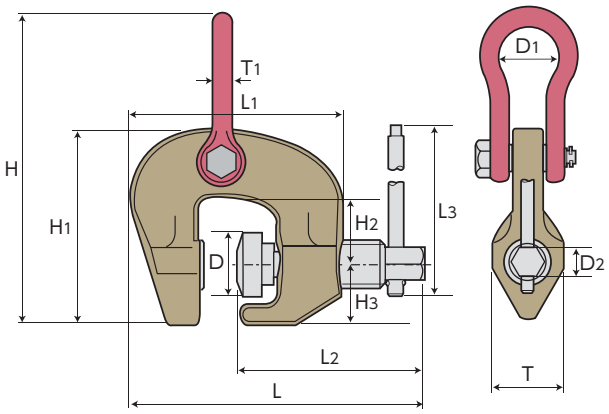
SCC1



SCC1W



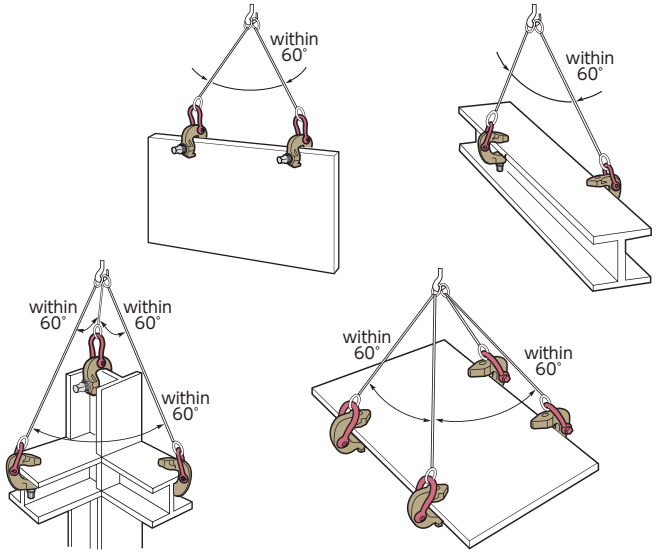
SCC3



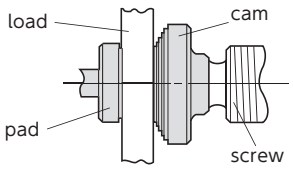
▶ Features

- Simple all-purpose clamp showing its great power especially for lifting steel materials with complicated shapes (spherical plate, curved plate, etc.).
- Ideal for lifting, turning-over, 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 or when vibrations occur during the lifting operation.
- 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.

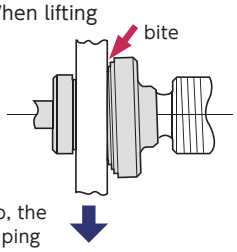
▶ Example of use ⚠ Always lift a load at 2 or more points for safety.



▮During initial tightening

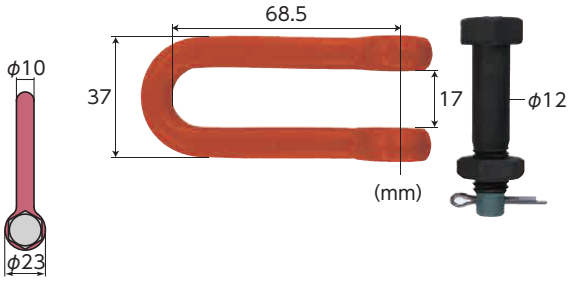


▮When lifting



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

▮PARTS / Long Shackle for SCC0.5



Item No.
SCH0.5L

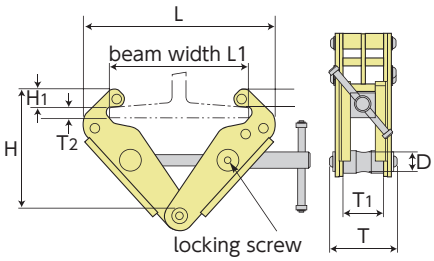
Item No.	Rated capacity (ton)	Clamp range (mm)	Size (mm)													N.W. (kg)
			L (MIN)	L1	L2	L3	H	H1	H2	H3	D	D1	D2	T	T1	
SCC0.3W	0.3	50～100	196	176	116	75	155	91	35	16	26	17	14	32	10	1.3
SCC0.5	0.5	0～28	123	104	89	60	113	76	26.5	16	26	17	14	30	10	0.8
SCC1	1	0～30	175	148	126	190	204	128	45	38	42	38	21	46	12	3.2
SCC1W	1	50～100	258	225	153	190	273	190	88	38	42	45	21	46	16	6
SCC1.5	1.5	0～32	187	154	135	190	229	143	52	39	42	45	21	46	16	4
SCC3	3	0～50	224	190	165	240	265	165	60	45	49	50	21	54	19	6
SCC3W	3	25～75	250	215	165	240	291	191	76	45	49	50	21	54	19	7.8
SCC6	6	0～75	291	255	215	240	365	214	76	54	63	80	21	69	31.5	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)].

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284～286

SBN1



SBN

BEAM CLAMP (Deluxe Type)

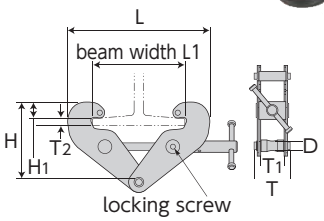
▶ Example of use

▶ 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

SBN1E



▶ Example of use

SBN-E

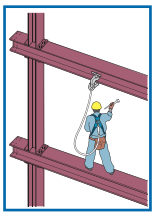
BEAM CLAMP (Standard Type)

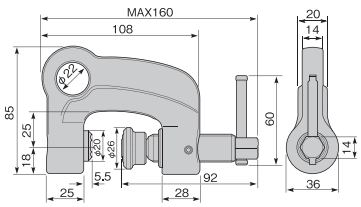
▶ Features

- 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

▶ Example of use





SSCC160A

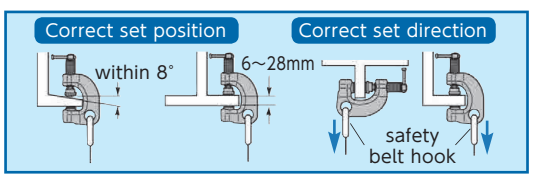
SAFETY BELT CLAMP, Aluminum Alloy Body (for Preventing Accidental Falling)

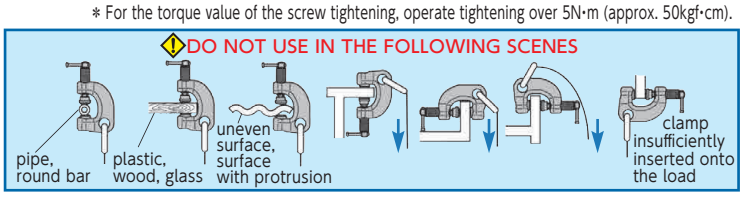
▶ Feature

- The main body is made of forged aluminum, offering light weight and strength.

Item No.	Max. equipped weight (kg)	Clamp range (mm)	N.W. (g)
SSCC160A	100	6~28	500

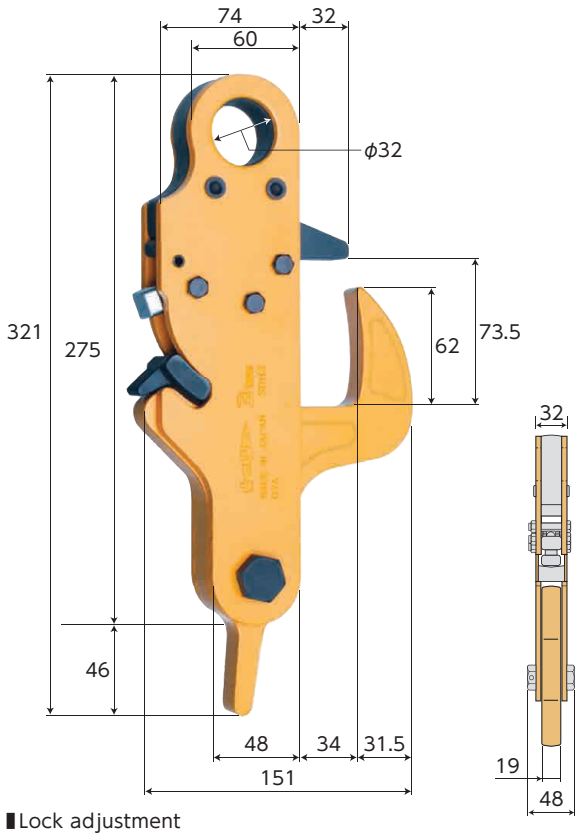
* The max. equipped weight is the total weight of the operator's body and all his equipments.
* For the torque value of the screw tightening, operate tightening over 5N·m (approx. 50kgf·cm).





★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286



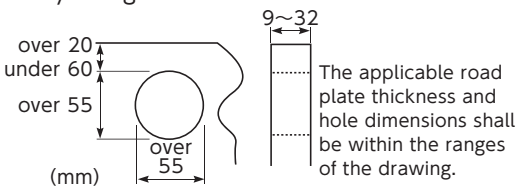
SDH3

SUPER FOOT LOCK

MOVIE

▶ Features

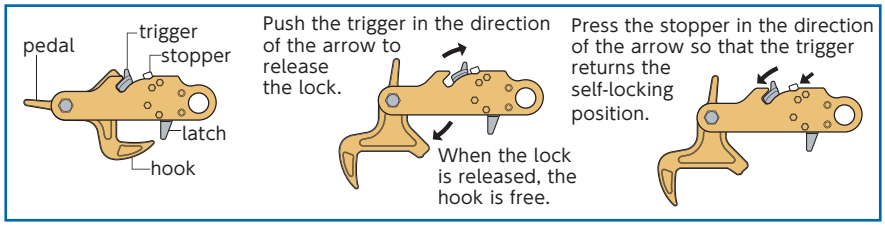
- Hook dedicated to road plates (extraction type).
- Ideal for laying and removing road plates.
- You can easily remove the hook just by lifting it when the lock is released.



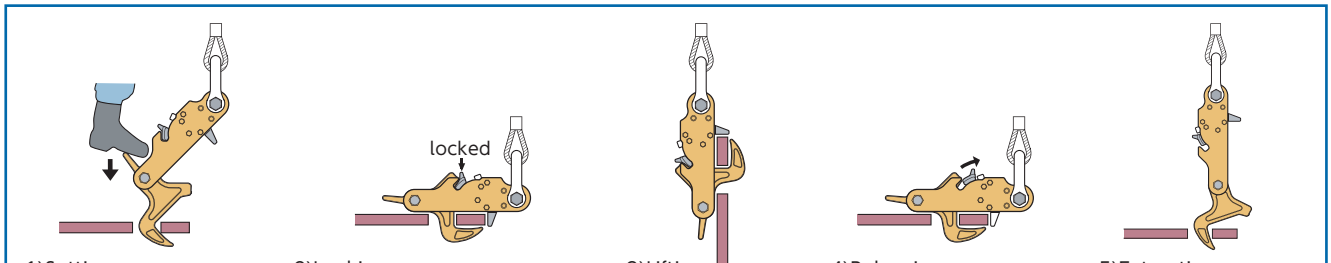
▶ Example of use

▮Setting ▮Lifting ▮Extracting

▮Lock adjustment



▮How to use (extraction type)



1)Setting
In this state where the hook is free, insert the hook end into the road plate hole and step on the pedal with your foot.

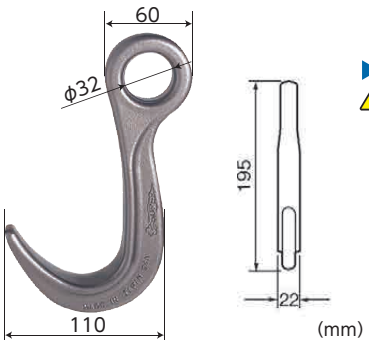
2)Locking
When the hook is completed inserted into the road plate hole, push down the main body until it gets parallel to the road plate, and the hook gets automatically locked.

3)Lifting
After having confirmed that the hook is locked by the trigger, lift the road plate.

4)Releasing
After having lifted it, land the road plate and push the trigger in the direction of the arrow to release the lock.

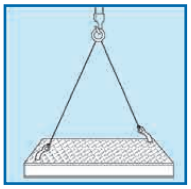
5)Extracting
Just by lifting it, you can extract it automatically from the road plate.

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



▶ Example of use

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



FKH1

LIFTING HOOK (for Road Decking Panels)

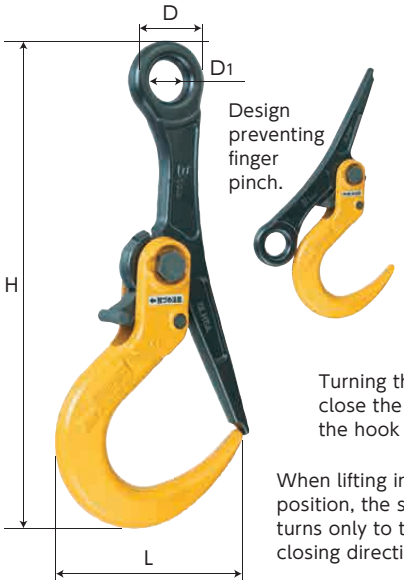
▶ Features

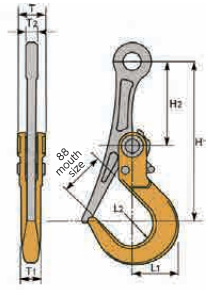
- Hook dedicated to road decking panels.
- Ideal for lifting and installing road decking panels.
- Light weight and simple design for easy operation.

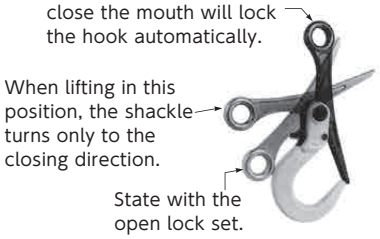
Item No.	Rated capacity(ton)	N.W.(kg)
FKH1	1	0.95

★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284~286

Vertical & lateral lifting clamps
Vertical lifting clamps
Lateral lifting clamps
Horizontal lateral lifting clamps, lifting hooks
Steel beam lifting clamps
Screw cam clamps
Beam clamps, safety belt clamps
Super foot locks, lifting hooks
Super lock hooks
Drum lift clamps
Lifting hooks for forklift, rail clamps
Reinforcing rod vertical lifting clamps







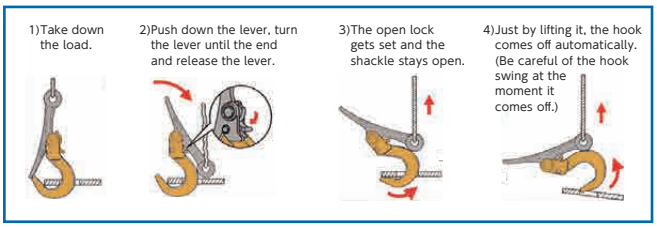
SLH3A

SUPER LOCK HOOK (Open / Close Lock Type)

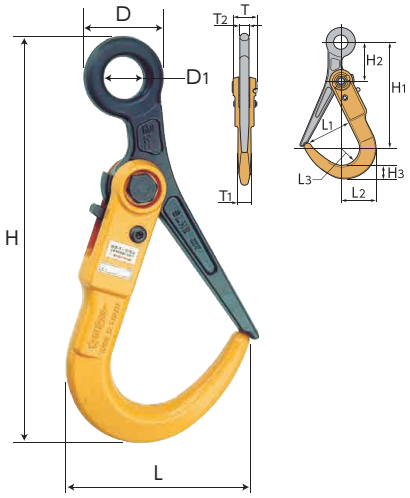
▶ Features

- 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.

▮Open lock mechanism



Item No.	Rated capacity (ton)	Size (mm)											N.W. (kg)
		L	L1	L2	H	H1	H2	D	D1	T	T1	T2	
SLH3A	3	169	78	38	383	280	145	64	32	54	33	18	3.8



SLH2N

SLH-N

SUPER LOCK HOOK

▶ Example of use

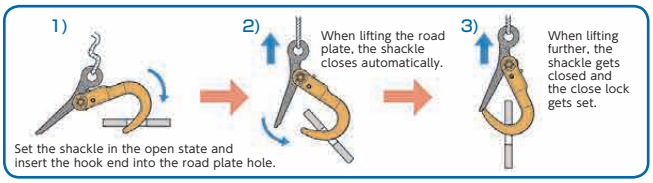
▮Laying and removing road plates

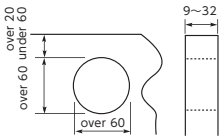
▮As a safety hook for direct lifting

▶ 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.

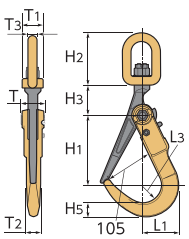
▮Operation instructions for lifting a road plate





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)
		H	H1	H2	H3	L	L1	L2	L3	D	D1	T	T1	T2	
SLH1N	1	298	210	80	28	140	80	65	32	56	24	48	28	16	2.5
SLH2N	2	336	236	89	30	166	105	75	38	64	32	54	29	18	3.2
SLH3N	3	339	236	89	33	169	105	78	38	64	32	54	31	18	3.4



SLH-S

SUPER LOCK HOOK (with Swivel)

▶ Example of use

▮Laying and removing road plates

▮As a safety hook for direct lifting

▶ Feature

- The swivel eye included enables smooth returning of wire rope, thereby preventing the road plate from turning.

Item No.	Rated capacity (ton)	Size (mm)													N.W. (kg)
		H	H1	H2	H3	H4	H5	L	L1	L2	L3	T	T1	T2	T3	
SLH2S	2	402	147	117	70	50	30	166	75	47	38	54	46	29	19	4.2
SLH3S	3	405					33	169	78					31		4.5

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286

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.

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

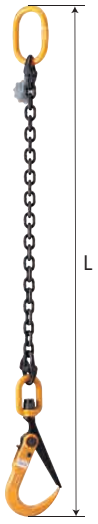
SLH-NC

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.

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



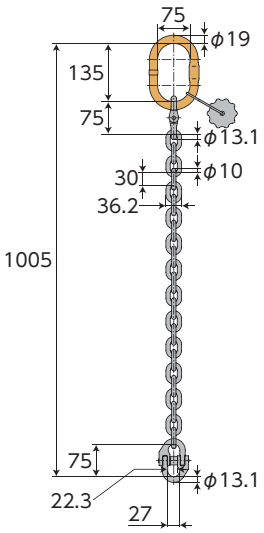
SLH-SC

SUPER LOCK HOOK WITH CHAIN SLING (with Swivel)

▶ 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.
- The swivel eye included enables smooth returning of the chain, thereby preventing the road plate from turning.

Item No.	Rated capacity (ton)	Set details		L (mm)	N.W. (kg)
		Super lock hook item No.	Chain item No.		
SLH2SC	2	SLH2S	CSC31	1,407	7.7
SLH3SC	3	SLH3S	CSC31	1,410	8.0



CSC31

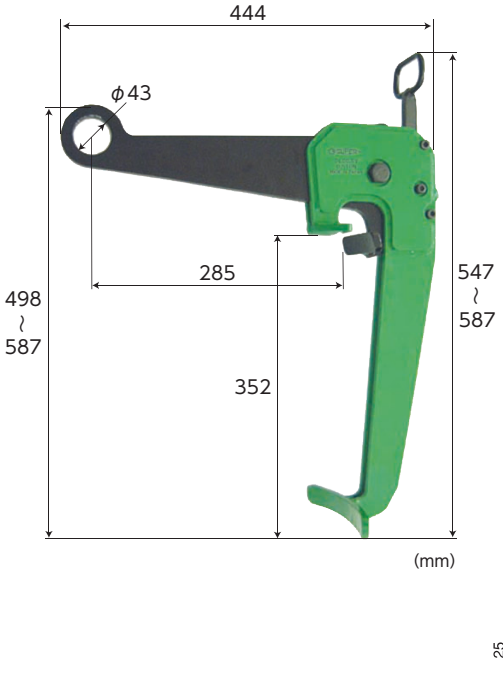
CHAIN SLING

▶ Features

- Convenient for using directly with our super lock hooks.
- Our chain slings are based on JISV class, making them light-weight and strong.

Item No.	Rated capacity (ton)	L (mm)	N.W. (kg)
CSC31	3	1,037	3.5

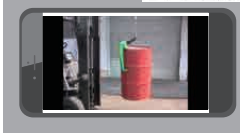
★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284～286



DLC0.5V

DRUM LIFT CLAMP (Vertical Lifting)

MOVIE

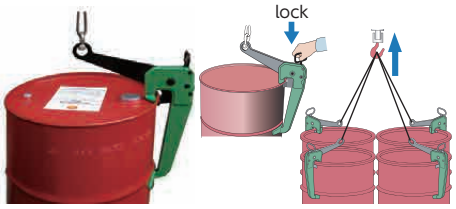


▶ Features

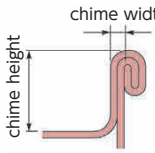
- Clamp dedicated to vertical lifting of drum cans.
- Easy operation with firm locking (by wedge method).
- You can safely lift a drum can vertically.
- Easy to lock by pushing and pulling the handle.
- The lifting ring diameter is large enough to be hooked directly.

▶ Example of use

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

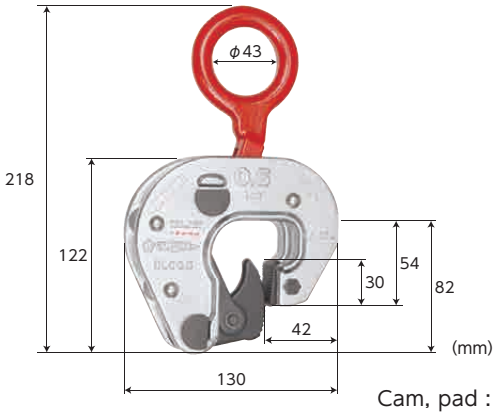


▮Applicable drum cans

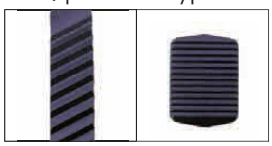


JIS Z1601 type : H class and M class (with 600mmϕ lid) and drum cans with lid of 500 to 700mm in diameter, with chime thickness of 2 to 3.5mm and chime height of 22 to 28mm (lifting is vertical only for 600mmϕ lid).

Item No.	Rated capacity (ton)	Clamp range (mm)	N.W. (kg)
DLC0.5V	0.5	2~3.5	9



Cam, pad : line type



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

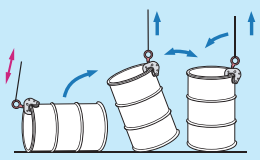
Chime height over 25mm and
Drum conforming to JIS Z1600 H class or M class
Drum conforming to JIS Z1601 H class or M class

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

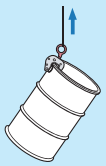
▶ Example of use

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

▮Pulling up, laying down

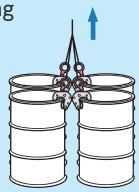


▮One point lifting



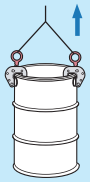
▮Lifting of 4 drum cans

In this case they can be lifted vertically.



▮2 points lifting

For safe lifting and handling of heavy drums.

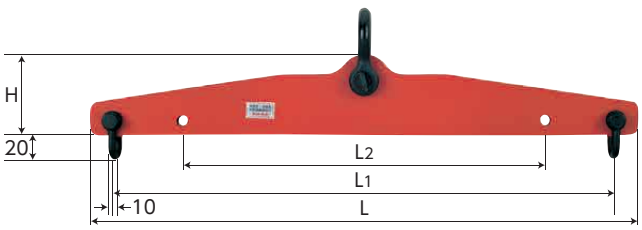


▮2 points lifting

By setting 2 drum lift clamps to a balance, you can lift vertically as shown in the drawing.

DSB1S

BALANCE FOR DRUM LIFT CLAMP



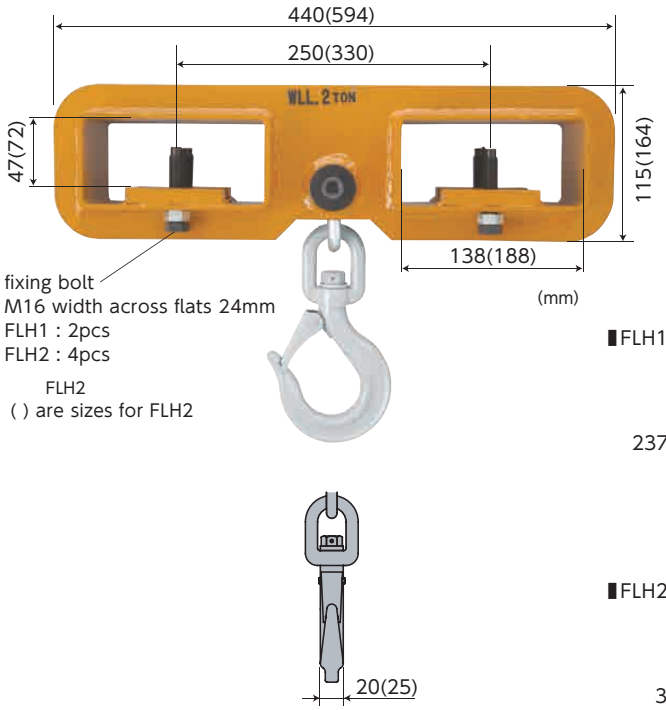
▶ Features

- 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

★The product parts list and operation manual can be downloaded from our website.

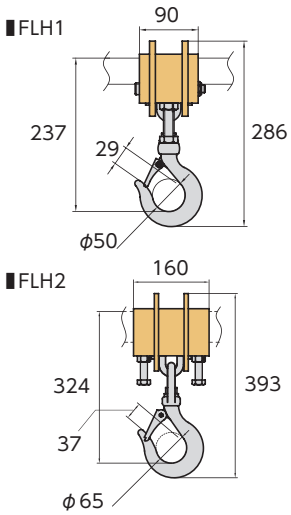
●For all the appendix, please refer to P.284~286



FLH
LIFTING HOOK FOR FORKLIFT

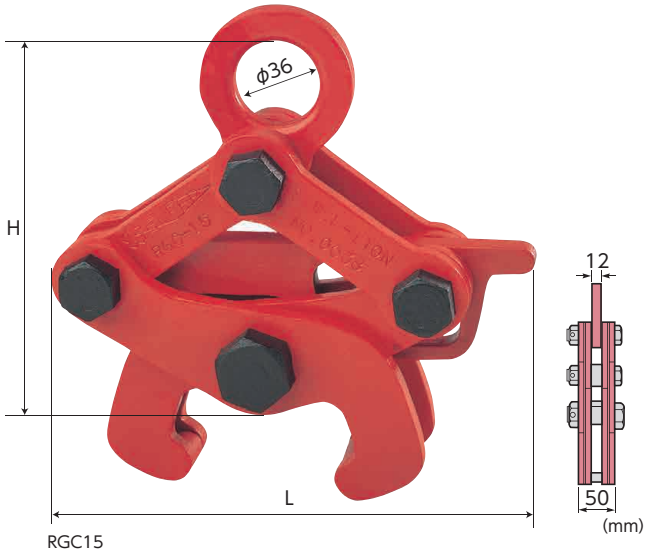
▶ Features

- 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 and prevents vibrations.



▶ Example of use

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



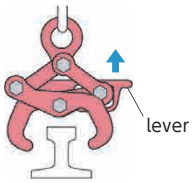
RGC
RAIL CLAMP

▶ Feature

- Clamp dedicated to various types of rail for railroads.

TIGHTENING AND RELEASING LOCK MECHANISM

▮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

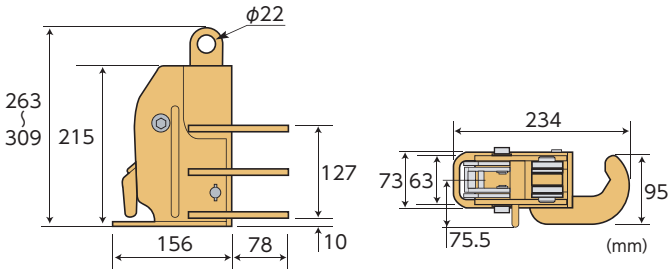
When the lever is released, the tightening lock is set automatically, and you can lift the rail as shown in the drawing.

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

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		198	205	5
		37kg rail	Small to medium railroad rails			

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)			

★The product parts list and operation manual can be downloaded from our website.
●For all the appendix, please refer to P.284～286



TVC1

REINFORCING ROD VERTICAL LIFTING CLAMP

▶ 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.

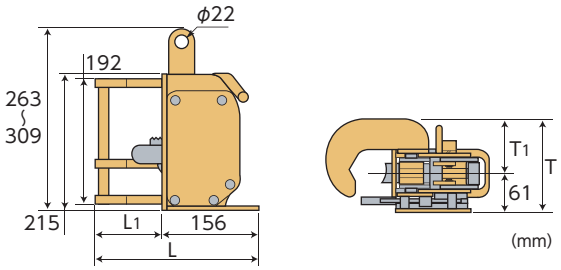
▶ Example of use

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

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



TVC1L

REINFORCING ROD VERTICAL LIFTING CLAMP (Double Lock Type)

▶ 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.

▶ 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

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

★The product parts list and operation manual can be downloaded from our website.

●For all the appendix, please refer to P.284~286