CÔNG TY CỔ PHẦN PHÁT TRIỂN KINH TẾ ĐÔNG NAM Á
ASEAN JSC VN
DEVELOPMENT JOINT STOCK CO.
ISO 9001:2015
Since 2006

EAGLE CLAMP GENERAL CATALOG

World wide lifting equipment

EAGLE CLAMP CO., LTD.

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http://www.eagleclamp.co.jp

Quality Management System
ISO9001 Certified

ISO-9001
A.C.NO.YKA 200132
Design, Manufacture, Maintenance and Management

Agents / Distributors

First Ed : 2020, 1 Ed:1 Pri:1 A4-1000 SAN

EAGLE CLAMP

We Hold the World Together,
A Pioneer in High-Tech Lifting Equipment

EAGLE CLAMP

GENERAL CATALOG

A-P

“EAGLE CLAMP” is the reliable brand, selected for use on construction and manufacturing sites around the world.

WORLD WIDE LIFTING EQUIPMENT

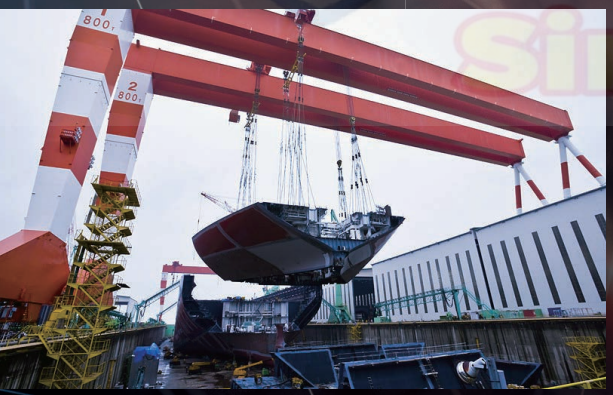
For half a century, EAGLE CLAMP has dedicated itself to developing and improving a wide variety of clamps, to make them safer and easier to use. Eagle’ s clamps are indispensable for material handling on every type of construction or manufacturing site, including buildings, civil engineering, bridges and shipbuilding. Eagle’ s clamp designs are inspired by real-world applications in the field.
EAGLE CLAMP has provided solid performance for decades, earning its reputation for reliability on construction and manufacturing sites around the world.















1
CREATIVITY
Ingenious designs

2
QUALITY
Shop-floor production focused on high performance and high quality

5
SOCIETY
Socially conscious, working to build a better society

Five Eagle Clamp themes

3
SAFETY
Promoting safety-first ideas

4
HUMANITY
Respect for the human spirit

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Eagle Clamp Products Information is also available online.

http://www.eagleclamp.co.jp

At Eagle Clamp, we aim to deliver products that our clients can use confidently. We also aim to achieve zero accidents of lifting equipments through appropriate customer services.
Eagle Clamp has been accredited with ISO9001 since April 2000, first in our industry.
We offer DVD containing manuals for safety as well as introduction of main products for your reference.



General Information and Warning

■Important

When choosing the clamp model to use, check the applications and product specifications thoroughly. For information on the use and maintenance of clamps, see our product catalog, operation manuals and other materials.

■Warning

Before using EAGLE CLAMP products, carefully read the instructions and cautions stated in our printed materials and understand them thoroughly.
In this catalog, instructions and information are given for the proper application, usage and maintenance of our clamps.
If these instructions and procedures are not observed, this may cause the operators or other people to be seriously injured.

The following precautions and warnings must be observed.

- Prior to selecting any EAGLE products, read and understand the information provided in this catalog.
- Before use, please read the instruction manual thoroughly.
- The understanding and use of the definitions are important in determining the limitations and proper application of EAGLE products.
- The weight of the object to be lifted must be within the allowable working load limit (WLL) range for the clamp you intend to use.
  Do not use clamps with any object whose weight exceeds the maximum working load, or is less than minimum working load.
  The manufacturer does not accept any liability for damages which may result from the product being used in excess of the allowable WLL range.
  Read the instructions before using, and use for lifting single units only.
- Failure to review and utilize recommended applications, operation and maintenance instructions may result in serious injury to the operator or other people.

■Warranty exclusion

Any warranty, express or implied, which exceeds the descriptions stated in this catalog or in our other materials, is not valid.
Please note :

- We don't export our products to the U.S.A. or Canada.
  Accordingly, we cannot make compensation for any circumstance that might arise in these countries.

For safety, be sure you select a clamp with a high enough rating for the working conditions.

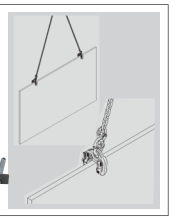
- When using these clamps, be sure to use them in pairs.
- The WLL shown is for a single clamp.
- The relationship between the WLL and safety factor is determined in accordance with the actual breaking load test results.

LIST OF EAGLE CLAMP PRODUCTS

COMPLETE LINE-UP

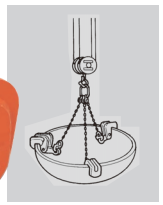
Clamps for steel

Model SBC
Screw clamp for vertical lifting
P.13



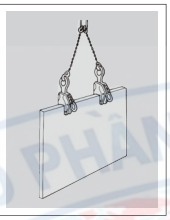
Model VA
Lateral lifting clamp
P.20





Models E/EK
Vertical lifting clamps
P.07





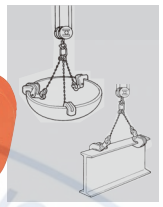
Model G
Lateral lifting clamp
P.14





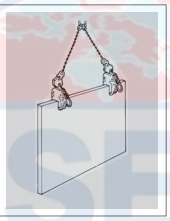
Model VAS
Lateral lifting clamp
P.21





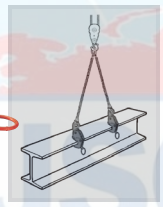
Model ET
Vertical lifting clamp
P.08





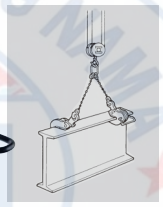
Model GT
Lateral lifting clamp
P.15





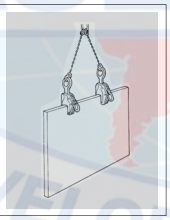
Model VAN
Lateral lifting clamp
P.22





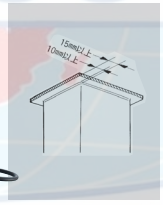
Model SL
Vertical lifting clamp
P.09



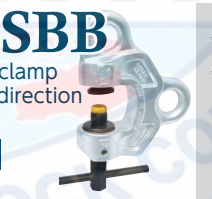


Model GC
Lateral lifting clamp
P.16





Model SBB
Screw clamp for all-direction lifting
P.23





Model SLT
Vertical lifting clamp
P.10





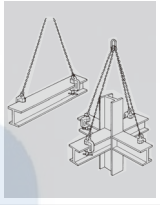
Model GD
Lateral lifting clamp
P.17





Model SBN
Screw clamp for all-direction lifting
P.24





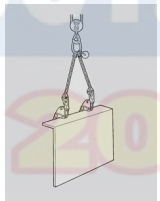
Model WOL
Vertical lifting clamp
P.11





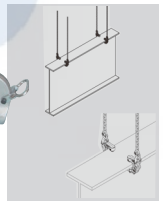
Model GL
Lateral lifting clamp
P.17





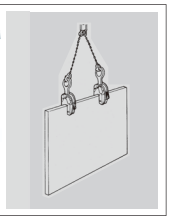
Model SBb
Screw clamp for all-direction lifting
P.25





Models RS/RS-AT
Vertical lifting clamps
P.12





Models AMS/AMN
Lateral lifting clamps
P.18





Model SRN
Non-marring screw clamp for pulling
P.25





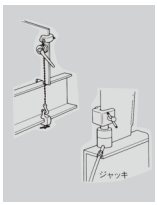
Model AC
Vertical lifting clamp
P.13

Model VAR
Lateral lifting clamp
P.19

Model SARO
Non-marring screw clamp for pulling
P.26

Model **SAS**
Screw clamp for pulling
P.27





Model **VAF**
Horizontal lifting clamp
P.34





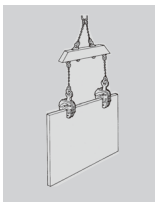
Model **OCS**
(OCS-XZ-B)
Crane scale
P.40





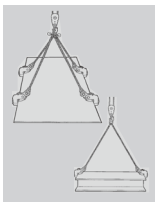
Model **NECII**
Non-marring vertical lifting clamp
P.28





Model **VAFS**
Horizontal lifting clamp
P.35





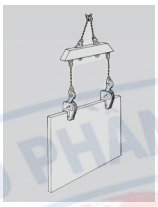
Model **OCS**
(OCS-XZ-AN, OCS-XZ-AW)
Crane scale
P.41





Model **NNEII**
Non-marring vertical lifting clamp
P.29





Model **HO**
Horizontal lifting clamp
P.36

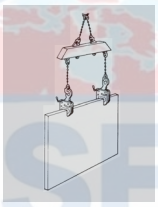




Clamps for auxiliary concrete products

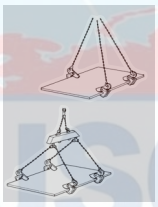
Model **NE**
Non-marring vertical lifting clamp
P.30





Model **HOS**
Horizontal lifting clamp
P.37





Model **UGH**
Clamp for U-shaped channels, gutter covers and curbstones
P.42





Model **NNEIIL**
Non-marring clamp for lifting steel plates vertically
P.30





Model **HOW**
Horizontal lifting clamp
P.37





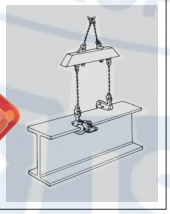
Model **UGHC**
Clamp for U-shaped channels, gutter covers and curbstones
P.43





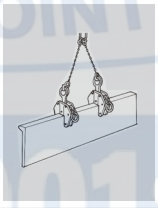
Model **BMB**
Non-marring lateral lifting clamp
P.31





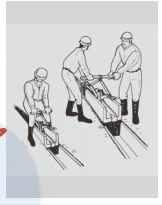
Model **BCL**
Clamp for bulb plates
P.38





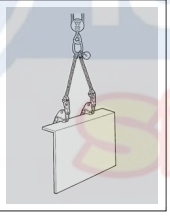
Model **UGM**
Clamp for U-shaped channels, gutter covers and curbstones
P.43





Model **GNE**
Non-marring lateral lifting clamp
P.32





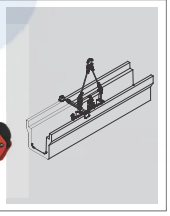
Model **BCR**
Clamp for bulb plates
P.38





Model **EUIF**
Clamp for lifting U-shaped channels from the inside
P.44





Model **EH**
Eagle Hacker
P.32

Model **CCV**
Clamp for columns
P.39

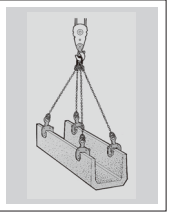
Model **EUIV**
For variable roadside ditches Internal lifting clamp
P.45

Model **IHM**
Insulated hook
P.33

Weighing equipment for objects to be lifted

Model **ECC**
Clamp for U-shaped channels
P.46

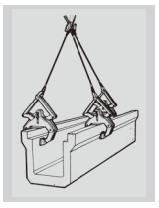
Models **ECBN/ECB**
Clamps for U-shaped channels
P.47



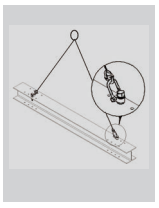
Lifting jigs for construction work

Special clamps

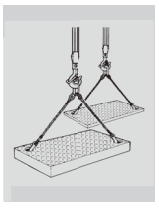
Model **ELC**
Clamp for large U-shaped channels
P.47



Model **SATO**
Hole lifting jig
P.52



Model **F**
Hook for lifting plates and covers
P.59



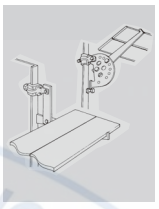
Model **ECHS**
Clamp for U-shaped channels
P.48



Model **VLGRII**
Hole lifting jig
P.53



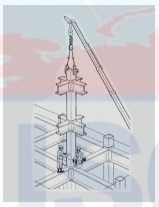
Models **KSB/KSW**
Scaffold mounting jigs
P.59



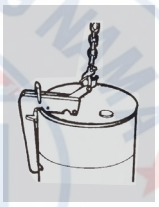
Model **ECH**
Clamp for U-shaped channels
P.48



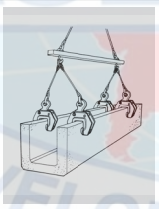
Model **EQF**
Chain balancer
P.54



Models **DLV/DLVL**
Clamps for drums
P.60



Model **EC**
Non-marring clamp for PC boards
P.49



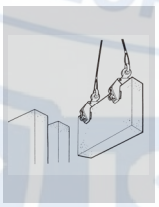
Model **LSC**
Remote-controlled shackle
P.55



Models **DLWII/DLWO**
Clamps for drums
P.61



Model **ECAR**
Non-marring clamp for PC boards
P.49

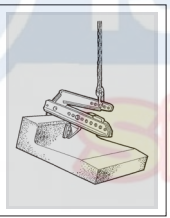


Clamps for engineering work

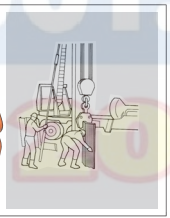
Model **DL**
Clamp for drums
P.61



Model **EST**
Clamp for curbstones
P.50



Models **PE/PER**
Special clamps for pulling out steel sheet pilings
P.56



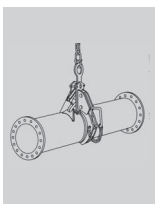
Model **EWPA**
Clamp for panels
P.62



Model **EFG**
Clamp for post base blocks
P.51



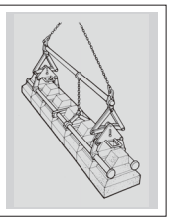
Model **PCL**
Clamp for lifting pipes laterally
P.57



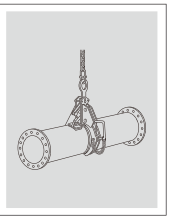
Model **EWPN**
Clamp for panels
P.63



Model **EKB**
Clamp for wedge blocks
P.51



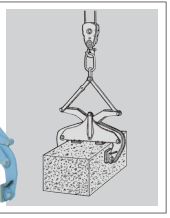
Model **KH**
Clamp for lifting pipes laterally
P.58



Model **ECHR**
Clamp for lifting wooden beams
P.63



Models **BTS/BTSW**
Clamps for stone
P.64



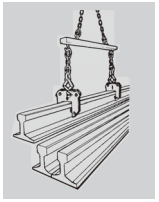
Model **EM**
Wire protective jig
P.69



Model **TWER**
Radio controlled coil lifter
P.74



Models **RCA/RL/RCAL**
Clamps for lifting rails
P.65



Model **PXLJ**
Sling protector
P.69



Clamps for other constructions

Products for working in high places

Jigs

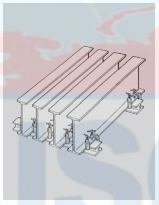
Model **PSCL**
Wireless automatic unslinging device
P.75



Model **SC**
Clamp for connecting fall arresting equipment
P.66



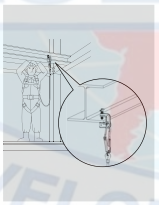
Models **SS/SSM**
Jigs to prevent workpieces from falling
P.70



Model **ALB**
Clamp for adjusting level differences
P.76



Model **SCI**
Clamp for connecting fall arresting equipment
P.67



Model **BHC**
Beam hanger clamp
P.71



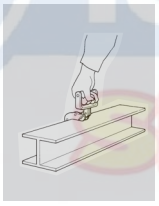
Model **LCT**
Special clamp for L-shaped steel
P.76



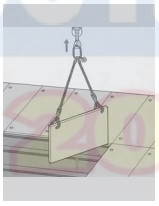
Clamp for handling material

Hooks for engineering work

Model **HHC**
Handheld clamp
P.68



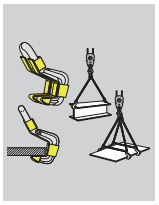
Model **JDH**
Hook for lifting steel floor plates
P.72



Jigs for protecting objects being lifted and the sling lifting equipment

Other labor-saving transport machines

Model **EHP**
Workpiece protective material for hackers
P.68



Model **CDER**
Radio controlled coil lifter
P.73



Model E

Ultra-lightweight, easy-to-use with a latch type safety lock

** Recommended product developed in collaboration with Shipbuilders' Association of Japan



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Vertical lifting clamps

Model EK

Best suited for light and thick loads with its wide jaws

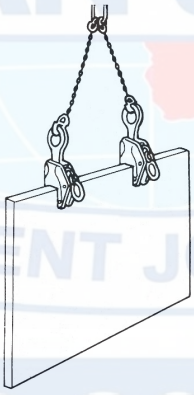
Clamps for steel Vertical lifting clamps

■Application

Vertical lifting, transporting, turning, welding, assembling, erecting, loading, pressing and bending

■Materials that can be handled

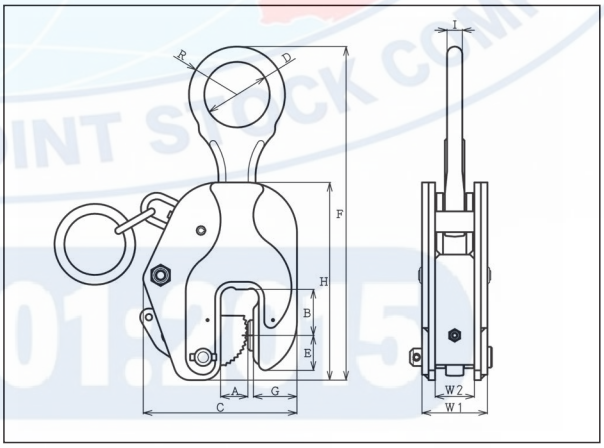
Steel plates, shaped-steel, flat steel, steel joists, steel sheet pilings, steel structures, steel frames, forged products, cast products, crane girders, crane beams, pipes, etc.



■Features

- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Round swivel jaw to grip the load firmly
- Easy-to-handle large lifting shackle
- Baked epoxy paint finish

Specifications



■Table of Dimensions (Model : E)

★Model E-100 : Knurled version

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	R	W1	W2	
★01E00101	E-100(1-10)	20~100	1~10	12	30.5	86	30	17	155~187	22	113	8	23	28	19	1.0
01E00151	E-350(2-16)	70~350	2~16	18	27	100	36	18.5	165~200	25	120	10	28	31	22	1.4
01E00200	E-500(3-20)	100~500	3~20	23	30	114	45	26	230~262	27	148	10	35.5	49	28	2.7
01E10200	E-1 (3-20)	200~1000	3~20	23	36	126	50	24	242~270	33	155	12	38	51	30	3.6
01E10300	E-1 (3-30)	200~1000	3~30	33.5	45	143.5	50	25	253~294	36	180	12	38	51	30	4.3
01E10320	E-1 (6-32)	200~1000	6~32	35.5	44.5	148.5	50	25	253~288	37	182	12	38.5	51	30	5.2
01E10400	E-1 (5-40)	200~1000	5~40	43	50	175	50	25	307~357	40	198	12	38	51	30	6.0
01E20300	E-2 (3-30)	400~2000	3~30	35	45	153	60	30	277~322	45	194	14	44	60	36	5.7
01E20500	E-2 (25-50)	400~2000	25~50	55	60	193	60	30	310~358	46	225	14	44	60	36	7.5
01E30350	E-3 (3-36)	600~3000	3~36	40	50	175	60	35	331~390	45	240	18	50	68	40	9.0
01E30700	E-3 (40-70)	600~3000	40~70	75	70	236	60	35	378~435	56	280	19	50	68	40	12.5
01E50450	E-5 (5-45)	1000~5000	5~45	50	55	224	65	45	383~435	63	269	22	55	76	44	16.7

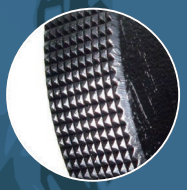
■Table of Dimensions (Model : EK) Knurled version

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	R	W1	W2	
※51E0R251	EK-350 (9-25)	70~350	9~25	27	27	109	36	18.5	171~207	25	123	10	28	31	22	1.5
※51E0R400	EK-500(20-40)	100~500	20~40	43	50.5	147	45	19.5	257~310	30	190	13	35.5	49	28	4.1
※51E0R600	EK-500(40-60)	100~500	40~60	63	50.5	167	45	19.5	257~310	30	190	13	35.5	49	28	4.3

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ET

Fusion of a universal shackle with high flexibility and a lightweight clamp



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Vertical lifting clamps

■Application

Vertical lifting, transporting, turning, welding, assembling, erecting, loading, pressing and bending

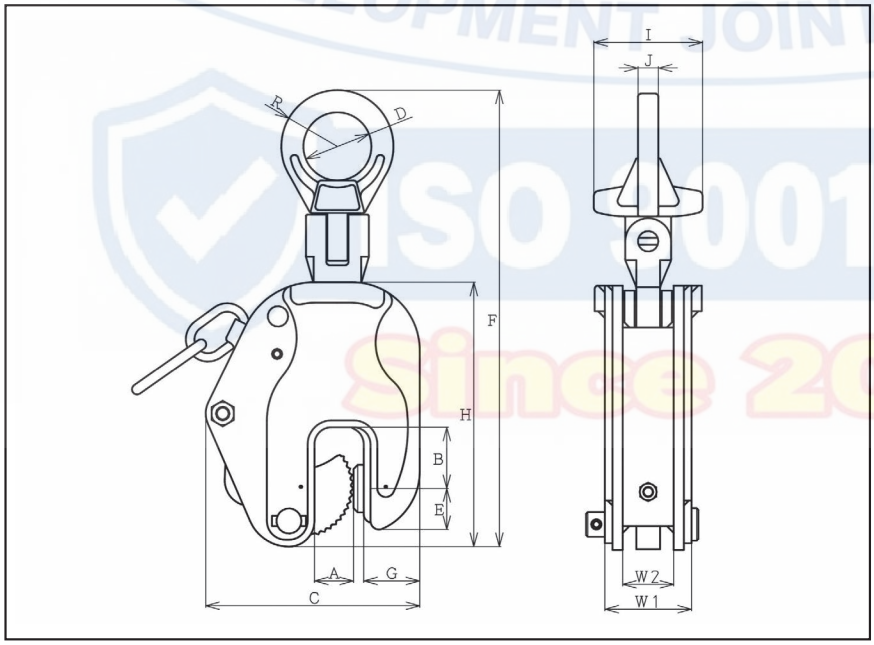
■Materials that can be handled

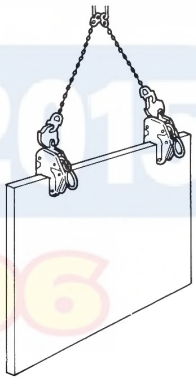
Steel plates, shaped-steel, flat steel, steel joists, steel sheet pilings, steel structures, steel frames, crane girders, crane beams, pipes, etc.

■Features

- Universal shackle which is strong when performing lateral pulling (all-direction lifting shackle)
- Lighter than conventional types with improved work efficiency
- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism with a force more than twice the weight of the load
- Clamping force is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks

Specifications





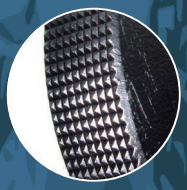
■Table of Dimensions (Model : ET)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	R	W1	W2	
03E00151	ET-350 (2-16)	70~350	2~16	18	27	100	30	18.5	185~216	25	120	44	10	25	40	22	1.6
03E00200	ET-500 (3-20)	100~500	3~20	23	30	114	35	26	229~261	27	148	50	10	29	52	28	3.0
03E10200	ET-1 (3-20)	200~1000	3~20	23	36	126	40	24	240~269	33	155	60	12	33	51	30	4.0
03E10300	ET-1 (3-30)	200~1000	3~30	33.5	45	143.5	40	25	271~312	36	186	64	12	33	51	30	5.0
03E20300	ET-2 (3-30)	400~2000	3~30	35	45	153	50	30	290~340	40	194	76	16	40	60	36	6.5
03E30350	ET-3 (3-36)	600~3000	3~36	41	50	177	60	35	355~417	45	240	88	19	50	72	40	11.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SL

Strong and economical, our best-selling vertical lifting clamp model



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Vertical lifting clamps



■Application

Vertical lifting, transporting, turning, welding, assembling, erecting, loading, pressing and bending

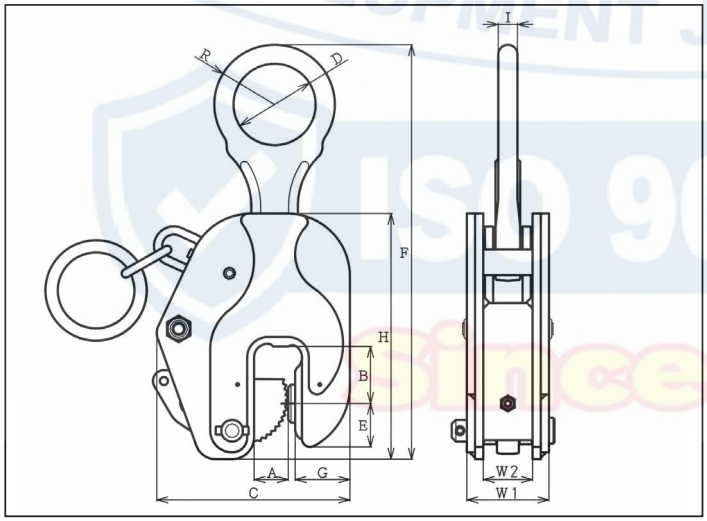
■Materials that can be handled

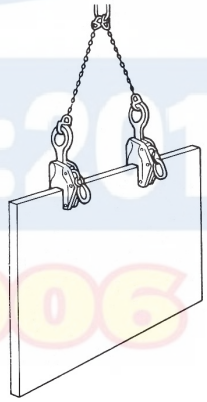
Steel plates, shaped-steel, flat steel, steel joists, steel sheet pilings, steel structures, steel frames, crane girders, crane beams, pipes, etc.

■Features

- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Round swivel jaw to grip the load firmly
- Easy-to-handle large lifting shackle
- Baked epoxy paint finish

Specifications





■Table of Dimensions (Model : SL)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	R	W1	W2	
01000200	SL-500 (3-20)	100~500	3~20	23	30	114	45	25	230~262	27	148	13	35.5	49	28	2.7
01010200	SL-1 (3-20)	200~1000	3~20	25	42	141	60	32	280~305	40	181	14	44	60	36	5.5
01010300	SL-1 (3-30)	200~1000	3~30	35	45	153	60	30	279~318	40	196	14	44	60	36	6.0
01020250	SL-2 (3-25)	400~2000	3~25	30	43	165	60	37	314~345	45	205	19	52	68	40	8.8
01020400	SL-2 (3-40)	400~2000	3~40	45	48	193	60	37	371~409	51	257	19	52	68	40	12.1
01030300	SL-3 (3-30)	600~3000	3~30	35	48	186	60	42	340~371	56	230	19	55	72	44	11.6
0103050N	SLII-3 (4-50)	600~3000	4~50	55	55	229	60	45	411~463	63	290	19	55	72	44	16.4
01050500	SL-5 (4-50)	1000~5000	4~50	55	65	235	70	55	415~469	70	285	22	60	84	48	20.3
※01070500	SL-7 (5-50)	1400~7000	5~50	55	70	269	80	50	498~563	79	352.5	30	70	104	60	32.8
※01100500	SL-10 (6-50)	2000~10000	6~50	55	70	273	85	50	486~528	78	340	40	80	124	80	47.5

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

CÔNG TY CỔ PHẦN PHÁT TRIỂN HỢP TÁC KINH TẾ ASEAN JOINT DEVELOPMENT JOINT STOCK COMPANY
ISO 9001:2015 Since 2006

Model SLT

Versatile, large, universal shackle which is strong when performing lateral pulling



※A version with knurled teeth that leave imperceptible bite marks is also available.



Clamps for steel Vertical lifting clamps

■Application

Vertical lifting, transporting, turning, welding, assembling, erecting, loading, pressing and bending

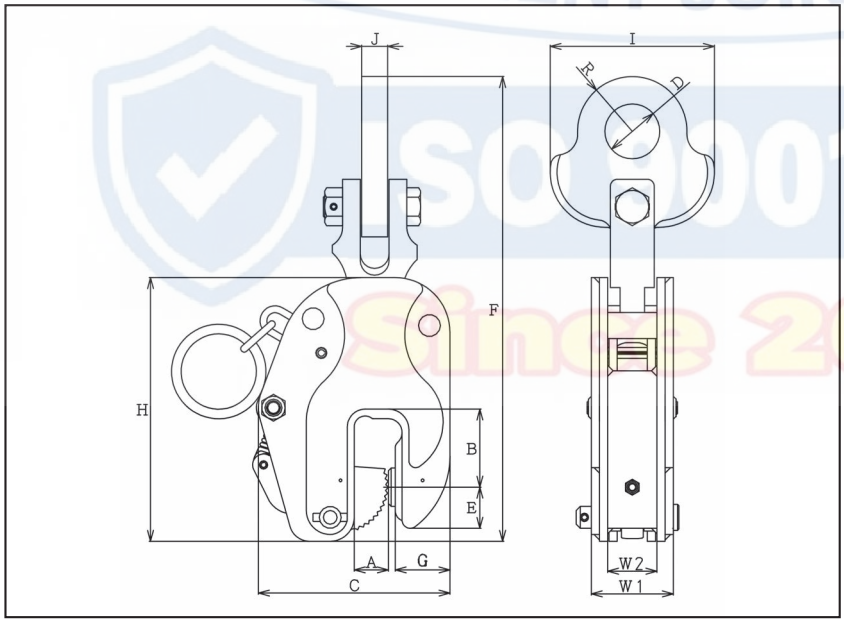
■Materials that can be handled

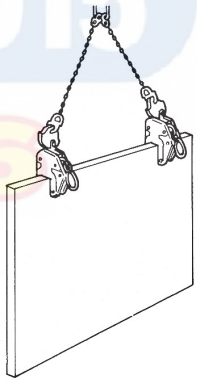
Steel plates, shaped-steel, flat steel, steel joists, steel sheet pilings, steel structures, steel frames, crane girders, crane beams, pipes, etc.

■Features

- Large universal shackle (all-direction lifting shackle)
- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism with a force more than twice the weight of the load
- Clamping force is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks

Specifications





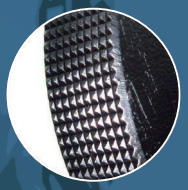
■Table of Dimensions (Model : SLT)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	R	W1	W2	
03010200	SLT-1(3-20)	200~1000	3~20	25	50	140	40	30	316~340	40	192.5	120	19	40	60	36	7.1
03020250	SLT-2(3-25)	400~2000	3~25	30	50	178	60	35	375~411	50	215	153	19	60	72	40	12.1
03030250	SLT-3(3-25)	600~3000	3~25	30	50	187	60	40	392~429	52	235	153	19	60	80	44	15.6
※03050400	SLT-5(5-40)	1000~5000	5~40	47	60	230	46	42	461~504	68	275	180	30	53	90	50	25.8

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model WOL

Excellent stability! Ultra-light clamp for vertical lifting of iron/steel products, with built-in auto-lock



※A version with knurled teeth that leave imperceptible bite marks is also available.

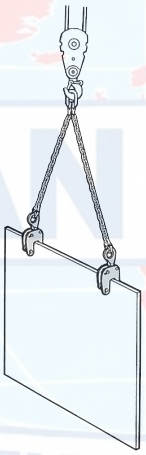
Clamps for steel Vertical lifting clamps



WOL-1~3

Clamps for steel Vertical lifting clamps





■Application

Vertical lifting, transporting, turning, welding, assembling, erecting and loading

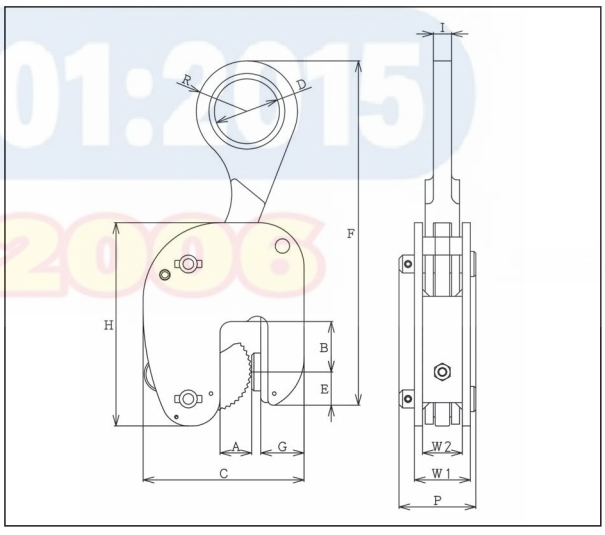
■Materials that can be handled

Steel plates, shaped-steel, flat steel, steel joists, steel structures, steel frames, crane girders, crane beams, pipes, etc.

■Features

- Built-in auto-lock mechanism is locked by pulling on the lifting shackle and released by pushing the lifting shackle into the body of the clamp
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Round swivel jaw to grip the load firmly
- Easy-to-handle large lifting shackle
- Baked epoxy paint finish
- Can be used in confined space with built-in auto-lock mechanism

Specifications



■Table of Dimensions (Model : WOL)

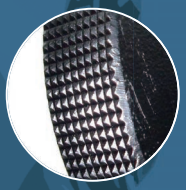
Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	P	R	W1	W2	
01W00160	WOL-350(2-16)	70~350	2~16	17.5	28	89	36	18.5	162~204	24	113	10	42.5	28	31	22	1.3
01W00200	WOL-500(3-20)	100~500	3~20	22	30	97	36	19	173~221	25	121	10	42.5	28	31	22	1.5
※01W10250	WOL-1 (3-25)	200~1000	3~25	27.5	37.5	135	50	24	237~301	32	178	14	57	38	42	33	3.8
※01W20300	WOL-2 (4-30)	400~2000	4~30	33	45	160	56	30	291~357	38	217	16	66	44	52	40	6.8
※01W30350	WOL-3 (6-36)	600~3000	6~36	39	53	184	71	35	346~423	45	256	19	79	53.5	61	45	10.8

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

CÔNG TY CỔ PHẦN PHÁT TRIỂN KINH DOANH ASEAN
ASEAN DEVELOPMENT JOINT STOCK COMPANY
ISO 9001:2015
Since 2006

Model RS

Outstanding workability, lock releasing mechanism with a simple lever operation



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Vertical lifting clamps

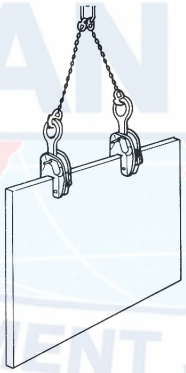
Model RS-AT

With attachment for remote operation

Clamps for steel Vertical lifting clamps

Opened and locked state





■Application

Vertical lifting, transporting, turning, welding, assembling, erecting, loading, pressing and bending

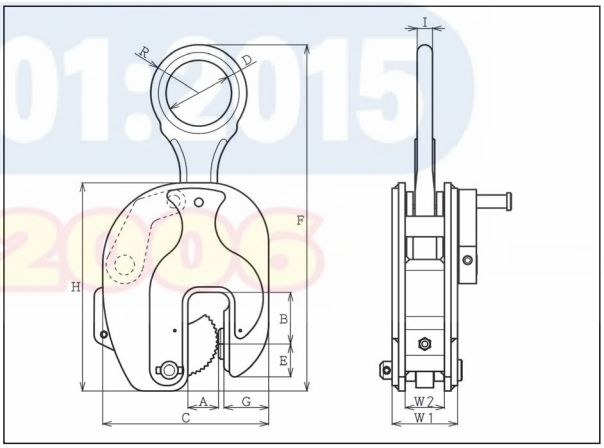
■Materials that can be handled

Steel plates, shaped-steel, flat steel, steel joists, steel sheet pilings, steel structures, steel frames, crane girders, crane beams, pipes, etc.

■Features

- Lever type lock mechanism for quick release (clamp/release mechanism)
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Round swivel jaw to grip the load firmly
- Easy-to-handle large lifting shackle
- Baked epoxy paint finish

Specifications



■Table of Dimensions (Model : RS)

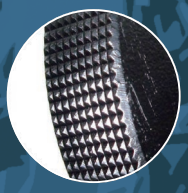
Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	R	W1	W2	
02010250	RS-1 (3-25)	200~1000	3~25	28	47	152	60	30	283~316	41	190	14	44	60	36	6.3
02020300	RS-2 (4-30)	400~2000	4~30	35	42.5	171	60	33	330~363	45	205	19	55	68	40	10.5
02030350	RS-3 (4-35)	600~3000	4~35	38	45	195	60	43	364~402	57	230	19	55	72	44	13.6
02050400	RS-5 (5-40)	1000~5000	5~40	42	55	212	60	42	374~418	62	251	22	55	84	48	18.4
※02050500	RS-5 (20-50)	1000~5000	20~50	55	65	235	60	42	393~435	65	283	22	55	84	48	22.4
※02070500	RS-7 (5-50)	1400~7000	5~50	60	70	268	80	40	462~529	73	322	30	70	104	60	36.4
※02100500	RS-10 (6-50)	2000~10000	6~50	55	72	262	85	57	469~536	80	329	40	75	144	80	45.9
※02120600	RS-12 (8-60)	2400~12000	8~60	69	90	335	80	60	580~676	103	430	60	80	148	84	73.5

※Made-to-order product

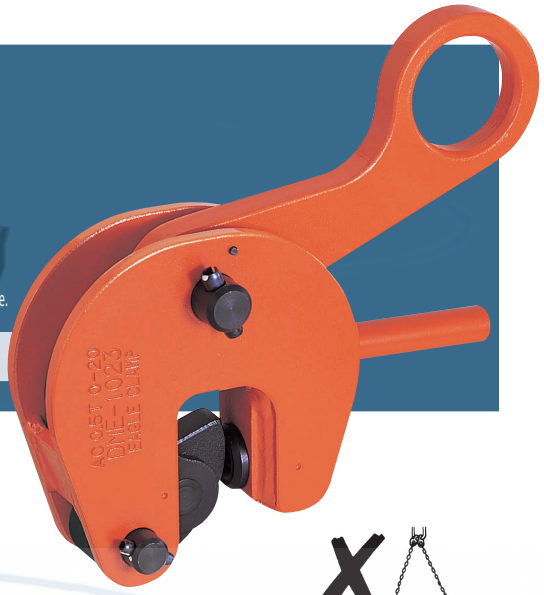
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model AC

Can be fitted with one hand, best suited for horizontal shifting of shaped-steel

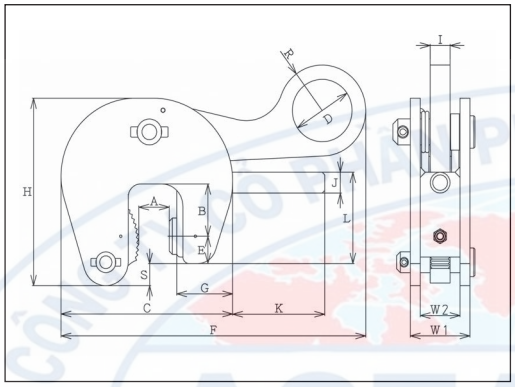


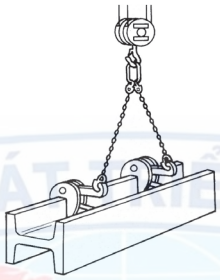
※A version with knurled teeth that leave imperceptible bite marks is also available.

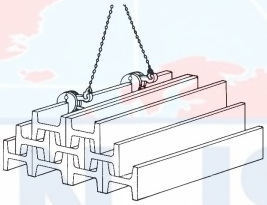


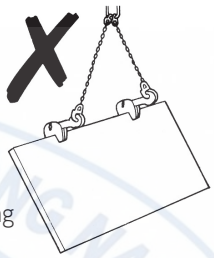
Clamps for steel Vertical lifting clamps

Specifications









■Application

Vertical lifting (shaped steel), transporting, welding, assembling and cutting

■Materials that can be handled

Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel joists, steel frames, etc.

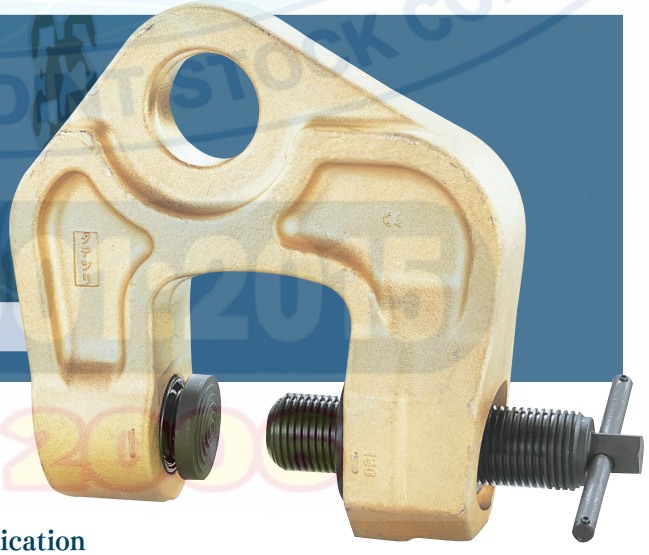
■Table of Dimensions (Model : AC)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)															Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	L	S	R	W1	W2	
21000200	AC-500(3-20)	100~500	3~20	24.5	40	138	48	21	230~245	45	144	16	16	74	70	17	35	48	32	3.9
21010250	AC-1 (4-25)	200~1000	4~25	31	42	149	40	28	266~281	40	170	16	16	59	60	17	35	80	36	7.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

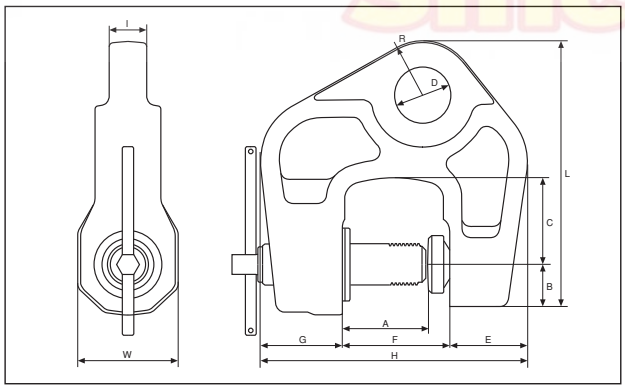
Model SBC

Screw clamp with ultra-wide jaw opening for vertical lifting of thick objects



Clamp for steel Screw clamp for vertical lifting

Specifications

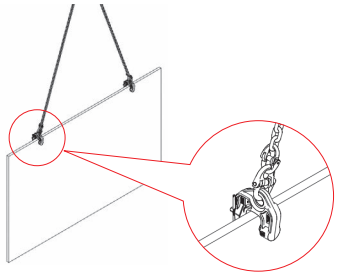


■Application

Vertical lifting, transporting, turning and alignment

■Materials that can be handle

Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, columns, formed heads, pipes, transverse members for shipbuilding, etc.



■Table of Dimensions (Model : SBC)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	L	I	R	W	
※27C50802	SBC-5(20-80)	1000~5000	20~80	91	45	92	60	83	115	87	285	282.5	40	57.5	107	24.5

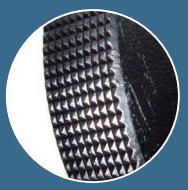
※Made-to-order product

○The specifications, dimensions and paint colors are subject to change without prior notice.

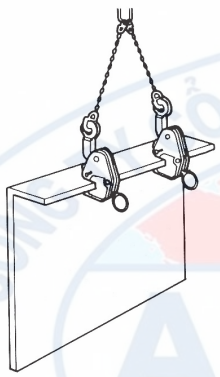
Model G

Best suited for short-faced shaped steel, clamps with lock, for lifting and transporting H-shape steel

Clamps for steel Lateral lifting clamps



※A version with knurled teeth that leave imperceptible bite marks is also available.





Reinforced Type

■Application

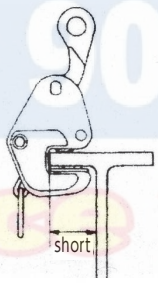
Lateral lifting, horizontal lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, pressing and bending
* By using a turnover device

■Materials that can be handled

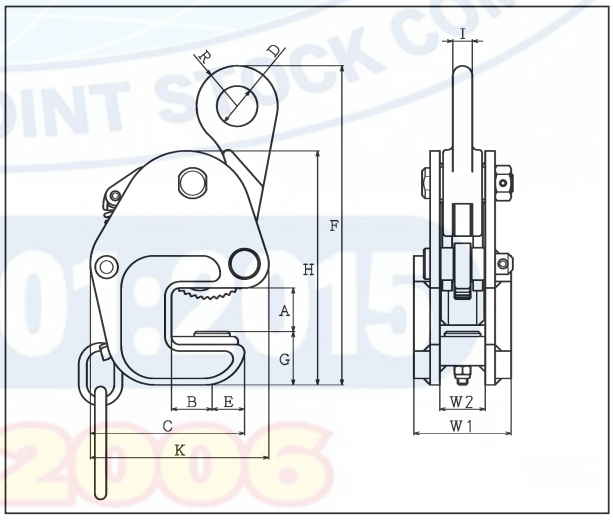
Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, etc.

■Features

- Suitable for I-shape steel with a 100mm face width (models for G-350/G-500)
- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks (except the G-350 model)
- Round swivel jaw to grip the load firmly
- Baked epoxy paint finish



Specifications



■Table of Dimensions (Model : G)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	K	R	W1	W2	
19000160	G-350 (2-16)	70~350	2~16	18	22	72	22	15	148~175	24	115	10	82	18	41	21	1.4
19000200	G-500 (3-20)	100~500	3~20	27	25	95	25	20	192~225	30	145	12	110	25	60	28	2.9
19000320	G-500(16-32)	100~500	16~32	39	35	109	25	20	204~252	30	157	12	109	25	60	28	3.3
19010250	G-1 (3-25)	200~1000	3~25	27	40	133	28	27	243~280	45	194	16	138	30	68	36	5.6
19010360	G-1 (16-36)	200~1000	16~36	39	43	141	28	27	257~300	46	207	16	146	30	68	36	6.2
19020350	G-2 (5-35)	400~2000	5~35	40	50	145.5	35	25.5	288~337	54	229	21	155	40	80	40	10.0
19020500	G-2 (20-50)	400~2000	20~50	55	55	169	35	27	310~363	61	251	21	176	40	80	40	12.3
19030400	G-3 (5-40)	600~3000	5~40	44	53	191	40	36	350~404	68	279.5	28	197.5	42	94	50	18.8
19050400	G-5 (5-40)	1000~5000	5~40	45	50	200	50	37	492~446	87	310.5	28	213	55	103	55	27.0

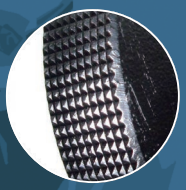
■Reinforced Type

Code No.	Model	W.LL. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	K	R	W1	W2	
19002000	G-600(3-20)	120~600	3~20	27	25	92.5	25	19.5	189~222	27	141	12	107	25	52	28	2.5
19012500	G-1.2 (4-25)	240~1200	4~25	27	39	128	28	26	239~276	42	191	16	128	30	68	36	5.2

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model GT

Lateral lifting clamps with 2 types of universal shackle options

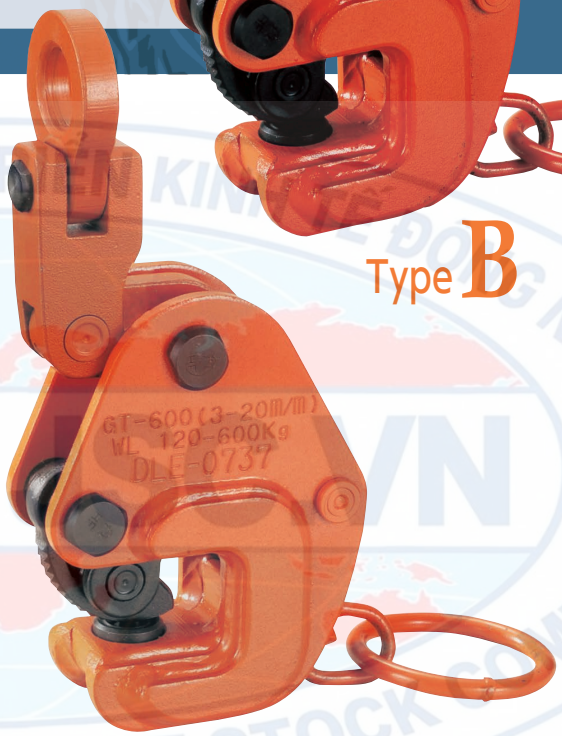


※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Lateral lifting clamps



Type B



Type A

■Application

Lateral lifting, horizontal lifting, erecting, transporting, welding, assembling, loading, pressing and bending

■Materials that can be handled

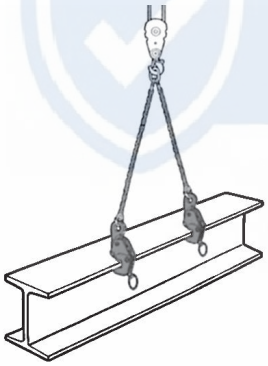
Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, etc.

■Features

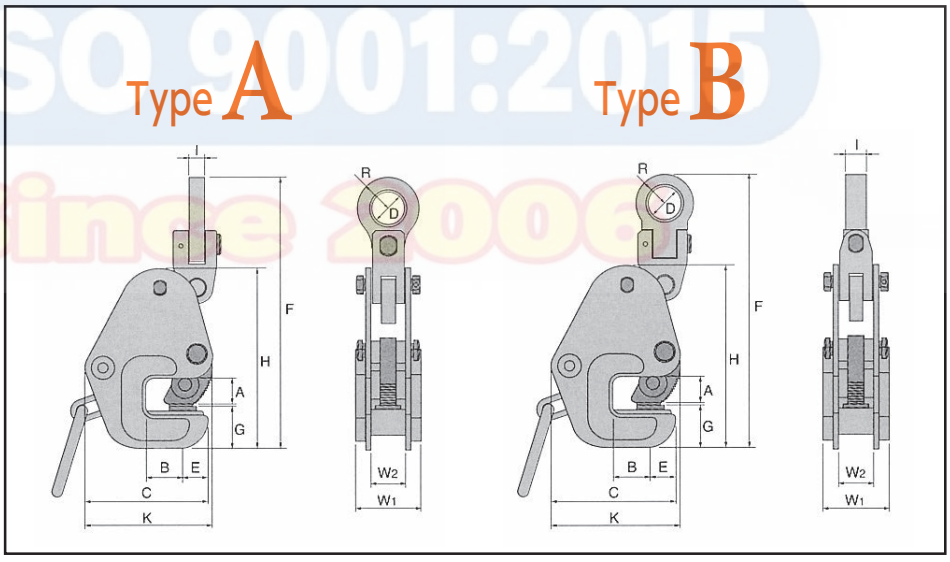
- 2 types of universal shackle to choose (all-direction lifting shackle)
- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism with a force more than twice the weight of the load
- The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks

■Precautions for use

- Never apply single point lifting. Make sure to use 2 or more clamps.
- Not suitable for turning over.



Specifications



■Table of Dimensions (Model : GT)

Code No.	Model		W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
					A	B	C	D	E	F	G	H	I	K	R	W1	W2	
19T020A0	GT-600(3-20)	Type A	120~600	3~20	27	25	92.5	ϕ25	19.5	212	27	141	12	107	24	52	28	2.6
19T020B0		Type B	120~600	3~20	27	25	92.5	ϕ25	19.5	212	27	141	16	107	22	52	28	2.6
19T125A0	GT-1.2 (4-25)	Type A	240~1200	4~25	27	39	128	ϕ27	26	271	42	191	19	134	27	68	36	5.3
19T125B0		Type B	240~1200	4~25	27	39	128	ϕ27	26	276	42	191	19	134	27	68	36	5.3

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model GC

Best suited for lifting joints for prismatic columns



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Lateral lifting clamps

■Application

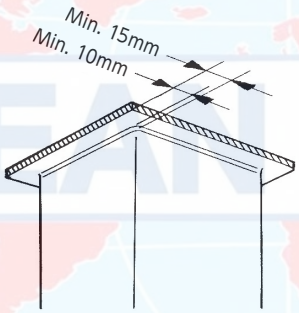
Lateral lifting, horizontal lifting, erecting, transporting and loading

■Materials that can be handled

Prismatic column joints, shaped-steel (I-shape, H-shape)

■Features

- V-shape bracket designed to match a corner of joints for prismatic columns
- Clamps at diagonal corners
- Able to lift joints with flange width of 15mm and over (10mm and over for welded section)
- Able to perform both lateral and horizontal lifting
- Capable of horizontal lifting of steel plates and lateral lifting of shaped steel (H-shape, etc.)
- Easy-to-use standard lock device
- Standard pressure mechanism with a high level of safety

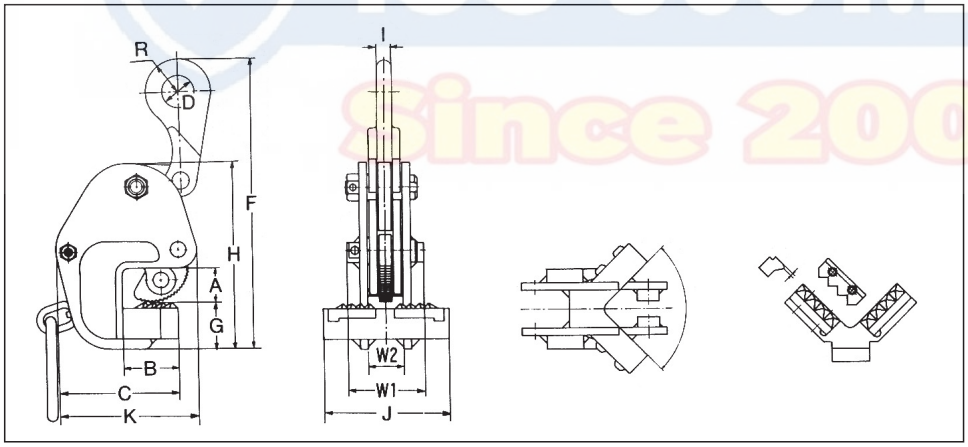


■Precautions for use

- Make sure to clamp corners when lifting columns.
- When pulling out square steel column, attach clamps to both sides of the column flange on one end of the column.
  (Special precautions for Model GC: See the GC instruction manual.)



Specifications



■Table of Dimensions (Model : GC)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	F	G	H	I	J	K	R	W1	W2	
※19300250	GC-350 (5-25)	70~350	5~25	32	49	99	25	205~244	38	155	12	100	110	25	60	28	3.1
19300320	GC-350(12-32)	70~350	12~32	40	50	105	25	212~250	38	162	12	100	125	25	60	28	3.6
19300400	GC-350(20-40)	70~350	20~40	47	50	105	25	220~259	38	170	12	100	130	25	60	28	3.6

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model GD

Super-strong reinforced Model G
Best suited for turning!



※A version with knurled teeth that leave imperceptible bite marks is also available.

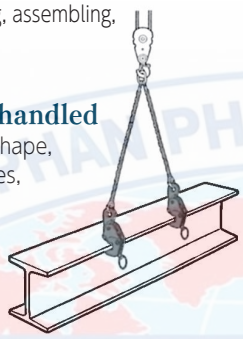


Clamps for steel Lateral lifting clamps

■Application

Lateral lifting, horizontal lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, pressing and bending

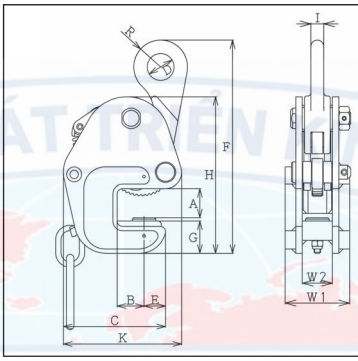
* By using a turnover device



■Materials that can be handled

Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, etc.

Specifications



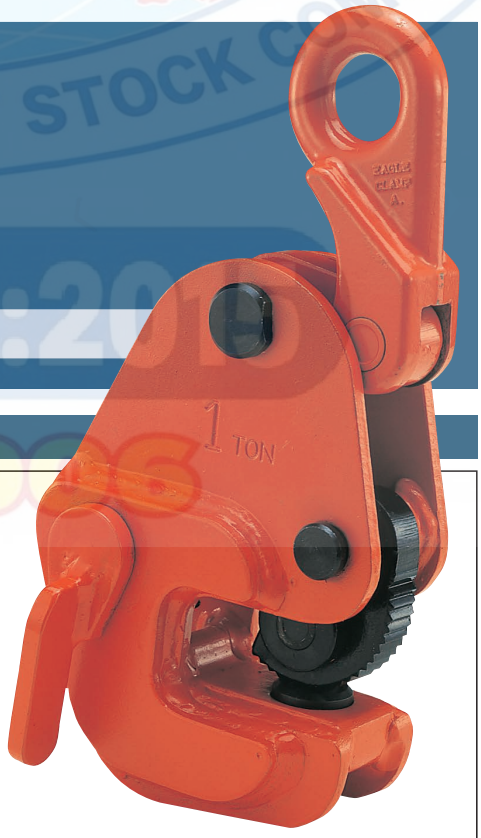
■Table of Dimensions (Model : GD)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	K	R	W1	W2	
19D00200	GD-500(3-20)	100~500	3~20	27	25	95	25	20	196~225	30	145	12	110	25	64	28	3.2
19D10250	GD-1 (3-25)	200~1000	3~25	27	40	138	28	27	262~285	50	199	16	143	30	80	36	6.8
19D20350	GD-2 (5-35)	400~2000	5~35	40	51	158	35	27	304~344	62	237	21	165	40	88	40	11.8
※19D30400	GD-3 (5-40)	600~3000	5~40	43	55	190	40	35	358~410	75	285.5	28	197.5	42	108	50	20.5

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model GL

Simple lever operation to open jaw

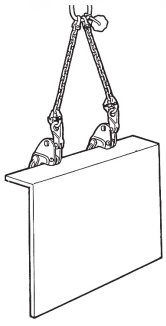


Clamps for steel Lateral lifting clamps

■Application

Lateral lifting, horizontal lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, pressing and bending

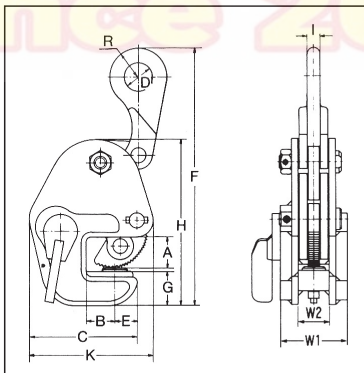
* By using a turnover device



■Materials that can be handled

Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, etc.

Specifications



■Table of Dimensions (Model : GL)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	K	R	W1	W2	
※19400200	GL-500(3-20)	100~500	3~20	27	25	95	25	20	196~225	30	145	12	110	25	60	28	2.9
※19410250	GL-1 (3-25)	200~1000	3~25	27	40	133	28	27	245~283	45	194	16	138	30	68	36	5.7

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model AMS

Lightweight, strong, easy-to-use clamp for erecting steel frames

Clamps for steel Lateral lifting clamps



※A version with knurled teeth that leave imperceptible bite marks is also available.

Model AMN

Clamps for steel Lateral lifting clamps

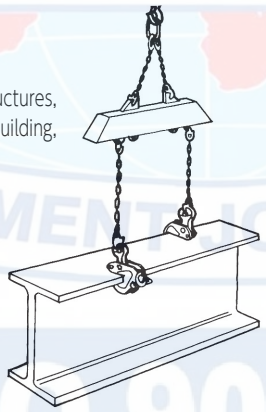
Web inserted into jaw type (no swivel jaw)



■Application

Lateral lifting, horizontal lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, pressing and bending

* By using a turnover device



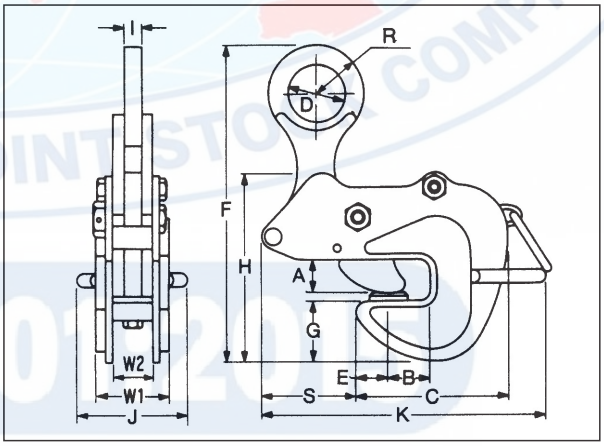
■Materials that can be handled

Shaped-steel (H-shape, I-shape, channel), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, formed heads, pipes, etc.

■Features

- Reliable latch type locking device (spring type clamping mechanism)
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Round swivel jaw to grip the load firmly
- Easy-to-use large lifting shackle
- Handle is attached to increase workability
- Easy-to-use lightweight type

Specifications



■Table of Dimensions (Model : AMS)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)														Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	S	R	W1	W2	
18S00200	AMS-500(3-20)	100~500	3~20	23	30	116	25	26	180~215	41	135	12	110	232	76	25	65	28	3.2
18S10250	AMS-1 (3-25)	200~1000	3~25	28	35	129	50	27	221~262	46	155	16	114	257	80	40	66	34	5.3
18S10320	AMS-1 (12-32)	200~1000	12~32	35	40	143	50	27	230~271	52	169	16	114	270	80	40	66	34	5.6
18S20300	AMS-2 (5-30)	400~2000	5~30	33	40	146	56	35	254~297	60	175	18	114	268	72	45	76	40	7.9
18S20400	AMS-2 (15-40)	400~2000	15~40	43	47	160	56	35	267~314	64	204	18	114	294	76	45	76	40	9.1
18S20500	AMS-2 (25-50)	400~2000	25~50	53	55	178	56	35	283~330	70	227	18	114	310	76	45	76	40	10.3
18S30380	AMS-3 (3-38)	600~3000	3~38	41	45	165	50	35	282~324	70	200	18	114	305	90	45	76	40	10.5
18S30500	AMS-3 (20-50)	600~3000	20~50	55	55	193	50	35	303~346	77	249	18	114	336	88	45	80	40	13.6
18S30700	AMS-3 (40-70)	600~3000	40~70	75	70	215	50	35	327~366	82	259	18	114	360	88	45	76	40	14.7
18S50400	AMS-5 (5-40)	1000~5000	5~40	45	45	205	60	45	345~398	75	238	28	152	388	117	55	87	59	27.6

■Table of Dimensions (Model : AMN)

★The dimensional drawings are shared with the Model AMS (without a swivel jaw).

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)														Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	S	R	W1	W2	
18N10300	AMN-1 (5-30)	200~1000	5~30	34	62	177	50	67	220~265	50	155	16	114	257	80	40	66	34	5.3
18N20350	AMN-2 (5-35)	400~2000	5~35	40	75	196	56	71	256~297	60	175	16	114	268	72	45	76	40	7.8

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model VAR

Convenient for erecting steel frames, heavy-duty type clamp with a locking device

Clamps for steel Lateral lifting clamps



※A version with knurled teeth that leave imperceptible bite marks is also available.



VAR-500

■Application

Lateral lifting, horizontal lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, pressing and bending
* By using a turnover device

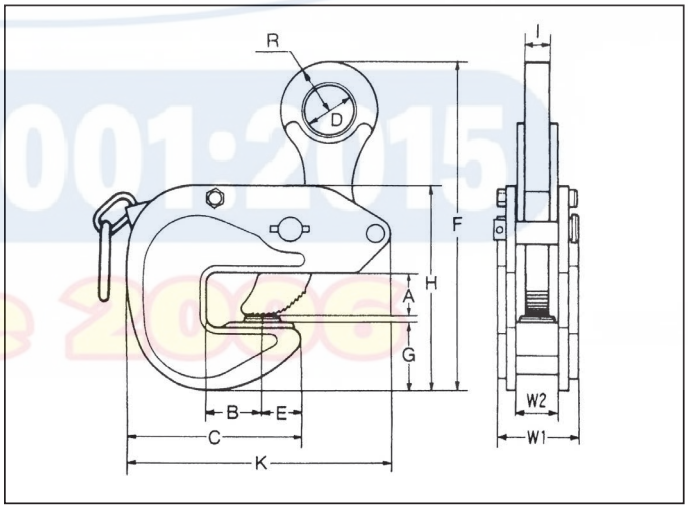
■Materials that can be handled

Shaped-steel (H-shape, I-shape, channel), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, formed heads, pipes, etc.

■Features

- ●Reliable latch type locking device (spring type clamping mechanism)
- ●Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  The grip is proportional to the weight of the load
- ●Induction-hardened, special steel alloy cam
- ●Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- ●Round swivel jaw to grip the load firmly
- ●Easy-to-use large lifting shackle
- ●Baked epoxy paint finish
- ●Heavy-duty type, designed for heavy work

Specifications



■Table of Dimensions (Model : VAR)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	K	R	W1	W2	
18000200	VAR-500 (3-20)	100~500	3~20	28	40	122	25	20	165~219	35	132	12	144	25	40	28	3.1
18010300	VAR-1 (3-30)	200~1000	3~30	33	50	150	40	30	225~261	52	165	18	228	40	60	32	6.3
18020350	VAR-2 (5-35)	400~2000	5~35	38	50	155	45	34	248~285	60	178	21	238	42.5	72	40	9.4
18030400	VAR-3 (5-40)	600~3000	5~40	42	50	174	50	35	269~315	66	198	21	257	45	80	44	12.6
※18050400	VAR-5 (5-40)	1000~5000	5~40	50	45	190	60	45	327~375	60	230	28	292	55	126	50	28.5

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

CÔNG TY CỔ PHẦN PHÁT TRIỂN KINH TẾ ĐÔNG NAMÁ
ASEAN DEVELOPMENT JOINT STOCK COMPANY
ASEANDSC.VN
ISO 9001:2015
Since 2008

Model VA

Quicker, simpler to operate when lifting shaped steel

Clamps for steel Lateral lifting clamps



※A version with knurled teeth that leave imperceptible bite marks is also available.

VA-500

■Application

Lateral lifting, transporting, welding, assembling and loading

■Materials that can be handled

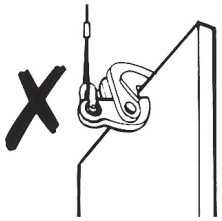
Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel joists, steel frames, longitudinals for shipbuilding, crane beams, formed heads, etc.

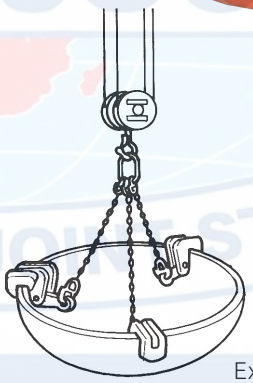
■Features

- ●Cam type clamp with a lifting hole
- ●Easy-to-use simple design
- ●Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- ●Induction-hardened, special steel alloy cam
- ●Main body is made of high-tensile steel with a precision-forged construction method that makes it resistant to cracks
- ●Round swivel jaw to grip the load firmly
- ●Baked epoxy paint finish

■Precautions for use

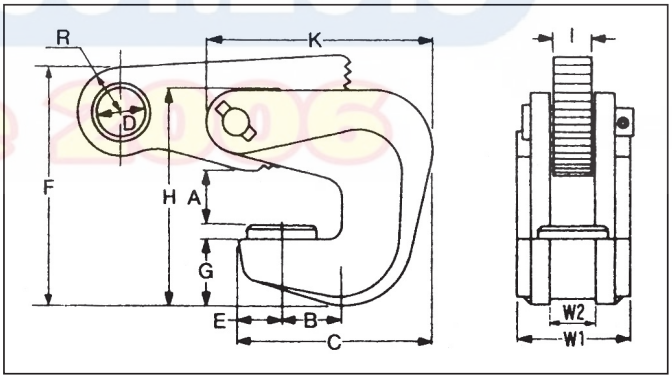
- ●Make sure to apply 2 or more point lifting.
- ●Not suitable for vertical lifting and transporting of steel plates.
- ●The VA model without a tightening spring may come off due to impacts or if the object tilts. Therefore, pay special attention during landing operations.
- ●A unit of 3 clamps must be used when lifting formed heads.





Example of use with formed heads

Specifications



■Table of Dimensions (Model : VA)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)														Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	R	W1	W2	
16000300	VA-500 (3-30)	100~500	3~30	32	40	130	22	32	149~178	46	134	22	-	142	22	41	25	3.6
16010300	VA-1 (4-30)	200~1000	4~30	32	34	113	27	26	138~193	36	122	22	-	130	25	65	25	4.9
16020350	VA-2 (5-36)	400~2000	5~36	40	40	142	35	30	168~219	48	165	22	-	167	32	68	28	7.7
16030350	VA-3 (5-36)	600~3000	5~36	40	45	155	40	30	182~233	55	180	25	-	193	36	80	28	11.9
※16050400	VA-5 (5-40)	1000~5000	5~40	45	60	190	40	40	210~286	70	210	28	-	230	40	100	44	20.4

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model VAS

With a lock spring that improves workability when the load swings

Clamps for steel Lateral lifting clamps



※A version with knurled teeth that leave imperceptible bite marks is also available.

■Application

Lateral lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, pressing and bending

■Materials that can be handled

Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel joists, steel frames, longitudinals for shipbuilding, crane beams, formed heads, etc.

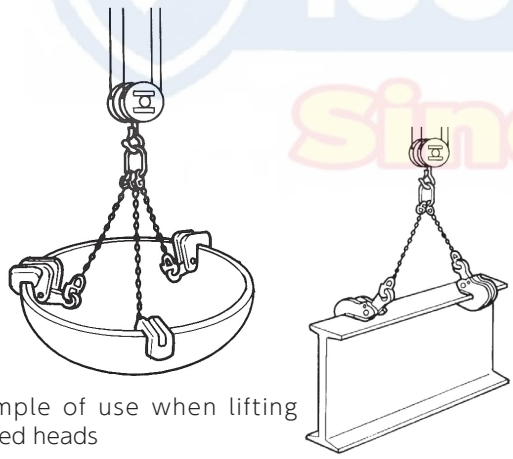
■Features

- Has a tightening spring that allows the clamps to remain stable, even when pulling out or pulling down objects
- Cam type clamp with a lifting hole
- Easy-to-use simple design
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Induction-hardened, special steel alloy cam
- Main body is made of high-tensile steel with a precision-forged construction method that makes it resistant to cracks
- Round swivel jaw to grip the load firmly
- Baked epoxy paint finish

■Precautions for use

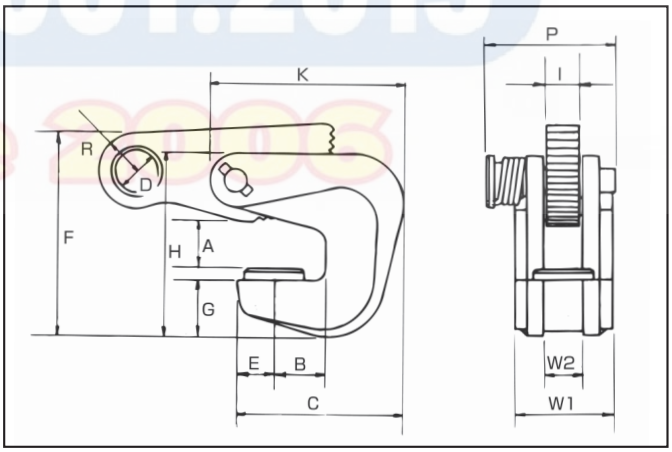
- Make sure to apply 2 or more point lifting.
- Not suitable for vertical lifting and transporting of steel plates.
- Be aware of impact loads when using to pulling out or pulling down shaped steel or joists.
- Clamps whose tightening spring does not work may come off due to impacts or if the object tilts. Therefore, pay special attention during landing operations.
- A unit of 3 clamps must be applied when lifting formed heads.

* By using a turnover device



Example of use when lifting formed heads

Specifications



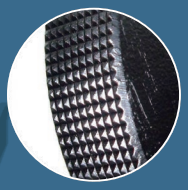
■Table of Dimensions (Model : VAS)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)														Product weight (kg)
				A	B	C	D	E	F	G	H	I	K	P	R	W1	W2	
17010300	VAS-1(5-30)	200~1000	5~30	32	35	119	27	24	152~193	40	135	22	142	88	26	65	25	3.6
17020350	VAS-2(5-36)	400~2000	5~36	40	40	142	35	30	168~219	48	165	22	167	98	32	68	28	8.0
※17030350	VAS-3(5-36)	600~3000	5~36	40	45	155	40	30	182~233	55	180	25	193	109	36	80	28	12.1

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

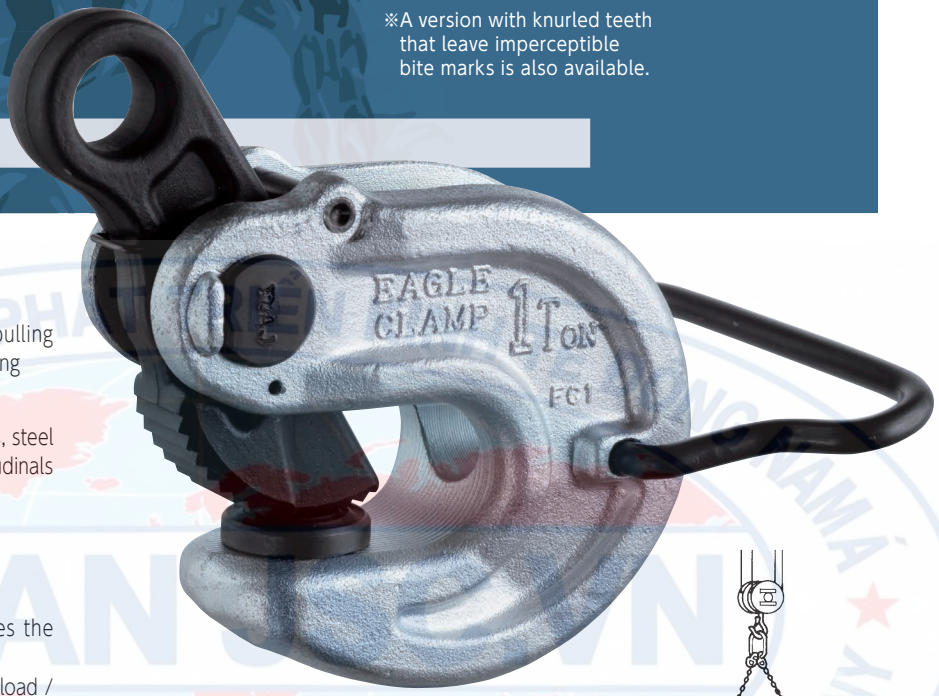
Model VAN

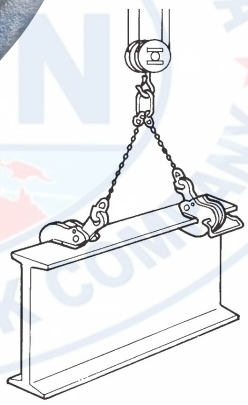
Lightweight and with a spring for easy fitting



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Lateral lifting clamps





■Application

Lateral lifting, erecting, transporting, pulling out, *pulling down, welding, assembling, loading, bending and pressing

■Materials that can be handled

Shaped-steel (angle, channel, I-shape, H-shape), bridges, steel structures, steel plates, steel joists, steel frames, longitudinals for shipbuilding, crane beams, formed heads, pipes, etc.

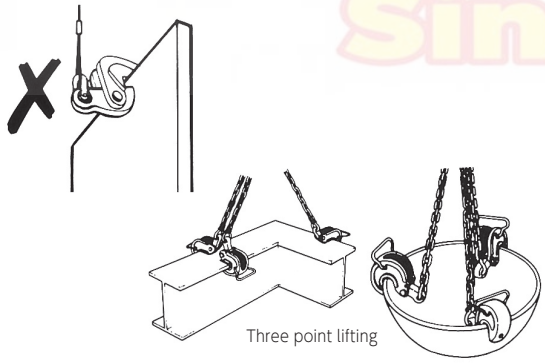
■Features

- Lightweight with forged special alloy body
- Easy-to-use simple design
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than twice the weight of the load / The grip is proportional to the weight of the load
- Curved cam to accommodate tilting of the load
- Induction-hardened, special steel alloy cam
- With a spring
- Galvanized finish

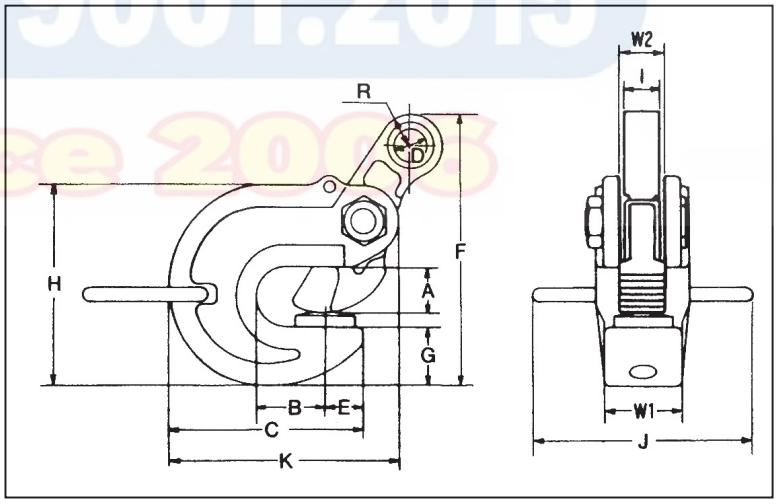
■Precautions for use

- Make sure to apply 2 or more point lifting.
- Not suitable for vertical lifting and transporting of steel plates.
- Be aware of impact loads when using to pulling out or pulling down shaped steel or joists.
- Be careful not to hook the load on with clamp jaw opening when winding up crane after releasing the load.
- A unit of 3 clamps must be applied when lifting formed heads.
- Abide to employ 3 or 4 point lifting for steel plates and structures.
- Never use clamps with deformed, worn or damaged body or parts.

* By using a turnover device



Specifications



■Table of Dimensions (Model : VAN)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)														Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	R	W1	W2	
16010200	VAN-1 (3-20)	200~1000	3~20	23	35	99	17.5	19	100~136	29	100	18	114	118	16	40	24	2.1
16020300	VAN-2 (5-30)	400~2000	5~30	35	50	132.5	20	22.5	136~175	34	130	18	121	162	20	43	25	4.2

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SBB

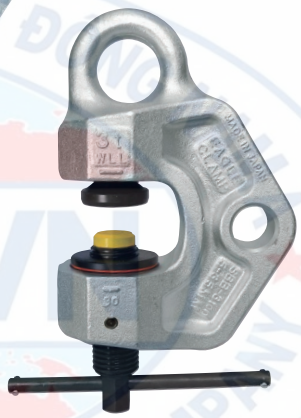
Twin shackle for all-direction pulling, handy for shifting irregular-shaped objects

● Clamp screw can be tightened using a ratchet wrench

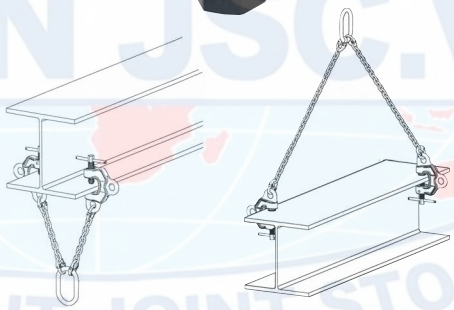


※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Screw clamps for all-direction lifting



SBB-3t, 5t



■Application

Lifting, transporting, suspending, turning, welding, assembling, erecting, loading, pressing, bending, lifting pieces and pulling pieces

■Materials that can be handled

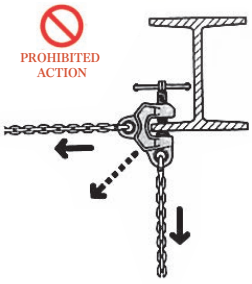
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, steel sheet pilings, columns, formed heads, pipes, transverse members for shipbuilding, etc.

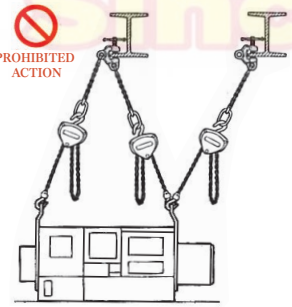
■Features

- ●Our proprietary swivel jaw clamping mechanism (all-direction) A swivel jaw grips the load firmly / The grip is proportional to the weight of the load
- ●Double safety design consisting of a screw type vise and a swivel jaw clamping mechanism
- ●Twin shackle that can be used for lifting in multiple directions
- ●Clamping confirmation line that allows the clamp' s tightness to be checked at a glance
- ●Edge pad type clamp screw(Cir clip type) that eliminates any gap between the stable clamping force on the pad for objects to be lifted and the clamping position, reducing wear on the teeth tips
- ●Conical spring for attitude control that keeps the swivel jaw in good contact and allows reliable installation of the clamp
- ●Clamp screw and swivel jaw are made of an induction-hardened special steel alloy
- ●Precisely forged special steel alloy body
- ●Galvanized finish

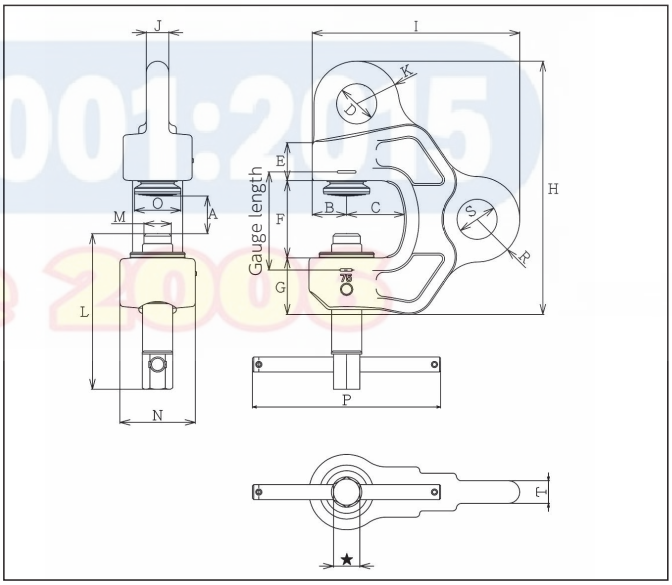
■Precautions for use

- ●Make sure to retighten the clamp screw when using the clamp repeatedly with a load attached.(More than the specified minimum tightening torque)
- ●Never use clamps that have welding spatter, arc strikes or notching.
- ●Never use two holes on a single clamp simultaneously.(Refer to the following illustrations.)





Specifications



■Table of Dimensions (Model : SBB)

★The width across flats on the hexagonal head of the clamp screw is 21 mm.

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)																				Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q*	R	S	T		
27000250	SBB-500(1-25)	100~500	1~25	23	25	ϕ27	22	41	29	140	112	15	24	96	ϕ20	46	ϕ27.5	150	ϕ15	24	ϕ27	15		1.8
27010400	SBB-1 (1-40)	200~1000	1~40	27.5	45	ϕ32	31	61	46	203	165.5	18	34	124	ϕ24	55	ϕ37	150	ϕ22	34	ϕ32	18		4.0
27020400	SBB-2 (1-40)	400~2000	1~40	35	43	ϕ36	44	66	45.5	218	183	25	38.5	134	ϕ32	74	ϕ43	150	ϕ25	36	ϕ32	25		7.6
27030360	SBB-3 (5-35)	600~3000	5~35	40	47.5	ϕ45	42	64	61.5	245	170	30	42.5	137.5	ϕ36	80	ϕ50	200	ϕ30	30	ϕ31	38		8.9
27050410	SBB-5 (10-40)	1000~5000	10~40	48	55	ϕ50	52	75.5	66.5	276	213	35	47	150.5	ϕ40	96	ϕ60	200	ϕ35	45	ϕ37	44		15.2

* Q: Bearing diameter

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SBN

Handy screw clamps suited for lifting, pulling and suspending

● Clamp screw can be tightened using a ratchet wrench

Clamps for steel Screw clamps for all-direction lifting



■Application

Lifting, transporting, suspending, turning, welding, assembling, erecting, loading, pressing, bending, lifting pieces and pulling pieces

■Materials that can be handled

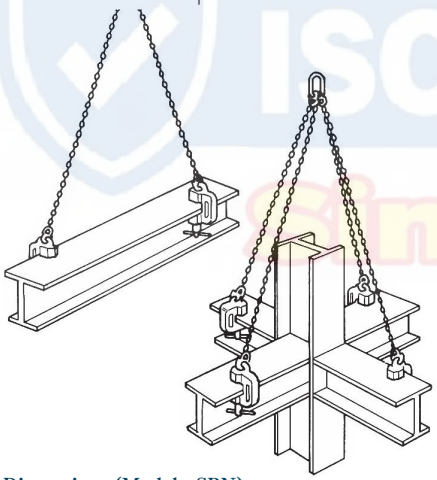
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, steel sheet pilings, columns, formed heads, pipes, transverse members for shipbuilding, etc.

■Features

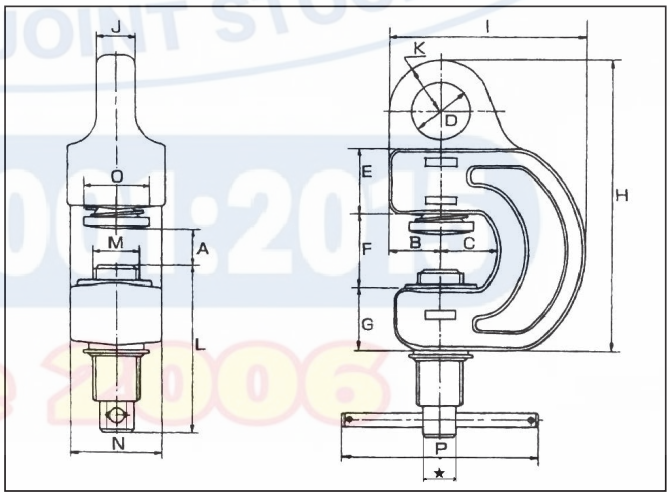
- ●Our proprietary swivel jaw clamping mechanism (all-direction)
  A swivel jaw grips the load firmly / The grip is proportional to the weight of the load
- ●Double safety design consisting of a screw type vise and a swivel jaw clamping mechanism
- ●Clamping confirmation line that allows the clamp' s tightness to be checked at a glance
- ●Pressure nut to prevent clamps from dropping their load due to the spring' s force, even under no load conditions
- ●Conical spring for attitude control that keeps the swivel jaw in good contact and allows reliable installation of the clamp
- ●Clamp screw and swivel jaw are made of an induction-hardened special steel alloy
- ●Precisely forged special steel alloy body
- ●Galvanized finish

■Precautions for use

Please refer to the Model SBB for precautions.



Specifications



■Table of Dimensions (Model : SBN)

★The width across flats on the hexagonal head of the clamp screw is 21 mm.

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)																Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q*	
2700325N	SBN-300 (1-25)	60~300	1~25	19	25	ϕ23	26	41	26	131.5	74	14	21.5	92	ϕ18	43	ϕ27.5	150	15	1.2
2700025N	SBN-500 (1-25)	100~500	1~25	23	25	ϕ27	29	41	29	140	86	15	24	96	ϕ20	46	ϕ27.5	150	15	1.8
27S0850N	SBN-800 (25-50)	160~800	25~50	26.5	34	ϕ30	29	66	29.5	174.5	110.5	16	29	96	ϕ20	48	ϕ27.5	150	15	2.4
2701030N	SBN-1 (1-30)	200~1000	1~30	33	33	ϕ35	35.5	49.5	36	181.5	113	18	35.5	109	ϕ24	60	ϕ37	150	22	3.8
2702030N	SBN-2 (5-30)	400~2000	5~30	35	35	ϕ36	41	55	40	195	127	25	35	117	ϕ28	65	ϕ43	150	25	5.6
2703035N	SBN-3 (5-35)	600~3000	5~35	40	43	ϕ45	47.5	61	45.5	223	150	30	40	134	ϕ32	70	ϕ50	150	30	8.3
2705040N	SBN-5 (10-40)	1000~5000	10~40	47	45	ϕ50	52	73	55	260	177	35	47	143.5	ϕ38	84	ϕ60	200	35	13.8

* Q: Bearing diameter

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SBb

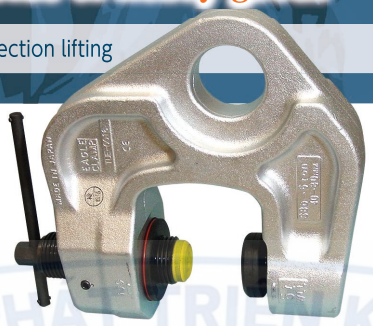
- Clamp screw of Model SBb-5(40-80) can be tightened using a ratchet wrench
- Screw shackle is optional

Screw clamps for pulling large workpieces in any direction when handling wide or heavy goods

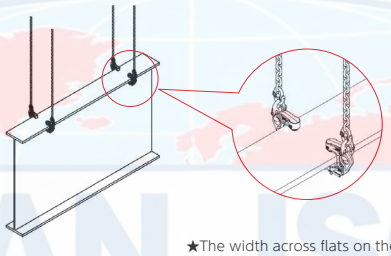
Clamps for steel Screw clamps for all-direction lifting



SBb-8



SBb-5



■Application

Lifting, transporting, turning, welding, assembling, erecting, loading, pressing, bending, lifting pieces and pulling pieces

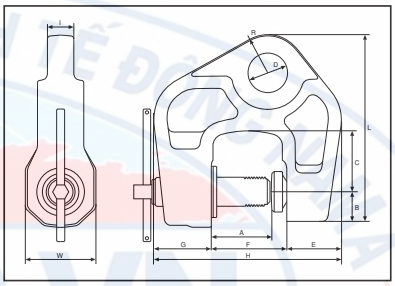
■Materials that can be handled

Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, steel sheet pilings, columns, formed heads, pipes, transverse members for shipbuilding, etc.

■Features

- Its basic performance is the same as that of the Model SBB. Only the center shackle type is different.
- The SBb-8 (65-100) has two handles for attaching control lines. The red screw shackle is optional.

Specifications



■Table of Dimensions (Model : SBb)

★The width across flats on the hexagonal head of the clamp screw is 21 mm. (except Model SBb-8)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	L	R	W	
27P50802	SBb-5 (40-80)	1000~5000	40~80	91	45	92	ϕ60	83	115	87	285	40	282.5	57.5	107	24.4
※27081000	SBb-8(65-100)	1600~8000	65~100	120	49	92	ϕ41	97	146	101	344	40	280	52	128	31.6

※Made-to-order product

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SRN

All-direction, non-marring, lightweight clamps -- Specially designed for alignment work

※ Not suited for lifting or suspending

Clamps for steel Non-marring screw clamps for pulling

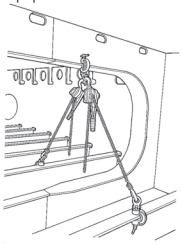


■Application

Correcting unevenness, pulling members, welding, assembling, alignment, securing eye pieces and pulling pieces

■Materials that can be handled

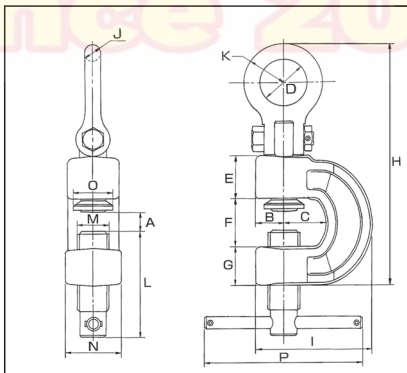
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, steel sheet pilings, columns, formed heads, pipes, transverse members for shipbuilding, etc.



■Material types

Steel materials and nonferrous materials (stainless steel plates, clad steel plates, aluminum plates) up to HV250

Specifications



■Table of Dimensions (Model : SRN)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)															Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
295130A1	SRN-1.6(1-30)	320~1600	1~30	27	40	ϕ45	42	49	36.5	236.5	112	ϕ15	37.5	103	ϕ30	56	ϕ38	150	4.1
290340A1	SRN-3.2(1-40)	640~3200	1~40	32.5	45	ϕ50	56	65	46	287	131	15×16	41	130	ϕ36	65	ϕ50	150	6.3

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SAR

Specially designed for pulling operations in any workspace, non-marring type Screw clamp with an all-direction power shackle

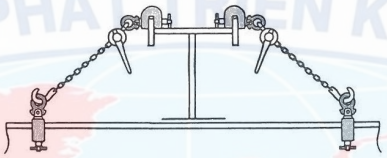
※ Not suited for lifting or suspending

Clamps for steel Non-marring screw clamps for pulling



■Application

Correcting unevenness, pulling members, welding, assembling, alignment, securing eye pieces and pulling pieces



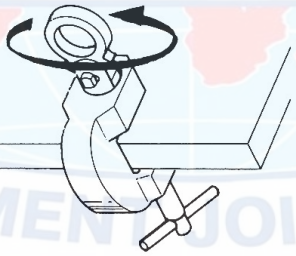
■Materials that can be handled

Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, steel sheet pilings, columns, formed heads, pipes, transverse members for shipbuilding, etc.

■Material types

Steel materials and nonferrous materials (stainless steel plates, clad steel plates, aluminum plates) up to HV250

■Features

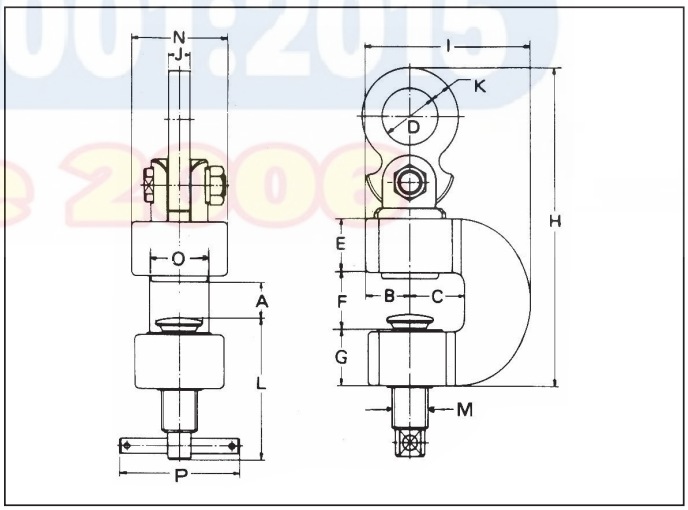


- ●Circular operating jaw that grasps objects securely without leaving any marks on them
- ●Cam type power shackle that rotates freely toward the pulling direction
- ●Double safety design with a screw-type vice and an automatic clamping mechanism, due to the pulling force
- ●Large shackle hole to accommodate chain type pulling-block hooks
- ●Clamp screw and circular jaw are made of an induction-hardened special steel alloy
- ●Precisely forged special steel alloy body
- ●With spring-type pressure nut (anti-loosening device)
- ●Baked epoxy paint finish

■Precautions for use

- ●When using this clamp repeatedly without detaching it, make sure to re-tighten the clamp screw before lifting or applying tension again.
- ●Make sure to install the clamp in the direction that the shackle will tilt.
- ●Never use clamps with deformed, worn or notched bodies or parts.
- ●Not suited for lifting or suspending.

Specifications



■Table of Dimensions (Model : SAR)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)															Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
295125A0	SAR-1.6(5-25)	320~1600	5~25	35	42.5	ϕ43	30	48	35	216	112	14	13.5	100	ϕ24	70	ϕ42	120	4.3
※790335A0	SAR-3.2(5-35)	640~3200	5~35	45	45	ϕ47	48	66	46	292	148	22	17.5	127	ϕ30	90	ϕ48	120	9.8

※Made-to-order product

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SAS

Screw clamps for any type of pushing or pulling to make a steel structure square

※ Not suited for lifting or suspending

Clamps for steel Screw clamps for pulling



■Application

Correcting unevenness, pulling members, welding, assembling, rebuilding, alignment, securing eye pieces and pulling pieces

■Materials that can be handled

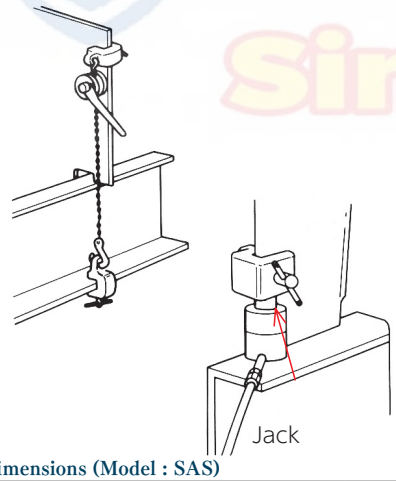
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, steel sheet pilings, columns, formed heads, pipes, transverse members for shipbuilding, etc.

■Features

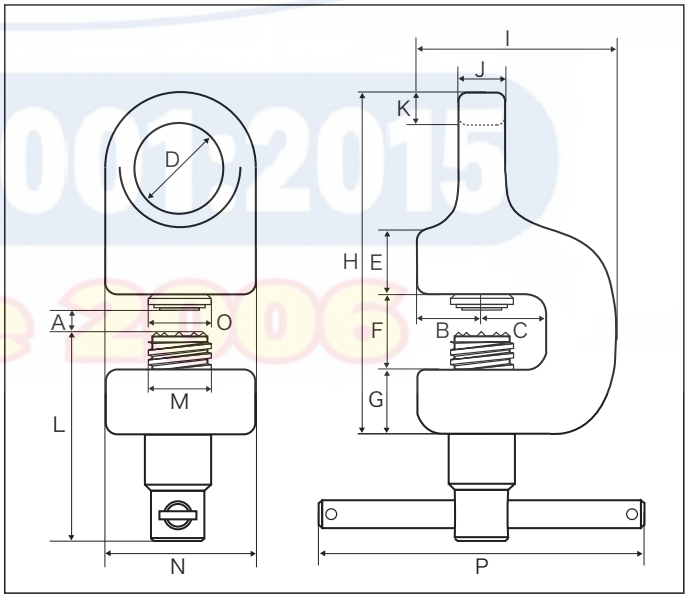
- Our proprietary swivel jaw clamping mechanism (omnidirectional type)
- Double safety design consisting of a screw type vise and a swivel jaw clamping mechanism
- Large shackle hole to accommodate chain type pulling block hooks
- Can be used to support a piece against a reaction force when applying pressure with a jack or pushing with a wedge
- Clamp screw and swivel jaw are made of an induction-hardened special steel alloy
- Main body is made of high-tensile steel that is resistant to arc strikes
- Quick and reliable attachment and release, with a spring collar
- Baked epoxy paint finish

■Precautions for use

- Not suited for lifting or suspending.
- When using a clamp repeatedly without detaching the object, make sure to re-tighten the clamp screw before lifting again or applying fresh tension.
- When the pulling direction is changed during an operation, use clamps with a round ring.
- Be careful because the hook, wedge and jack you are using may jump or leap.
- The Model SRN with a rotating type lifting shackle is also available.



Specifications



■Table of Dimensions (Model : SAS)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)																Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q*	
26510250	SAS-1.6 (3-25)	320~1600	3~25	30	30	ϕ42	30	36	30	161	93	22	14	99	ϕ30	70	ϕ30	150	ϕ22	4.8
26030400	SAS-3.2(10-40)	640~3200	10~40	35	40	ϕ47	42	50	40	205	122	30	16.5	111	ϕ36	80	ϕ38	160	ϕ30	8.3

* Q: Bearing diameter

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model NECII

Lightweight non-marring clamps with one-touch operation, excellent workability

Clamps for steel Non-marring vertical lifting clamps



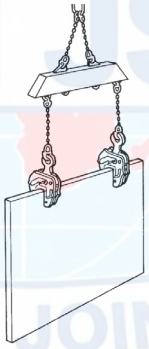
■Application
Vertical lifting, transporting, turning, welding, assembling, erecting and loading

■Materials that can be handled
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, etc.

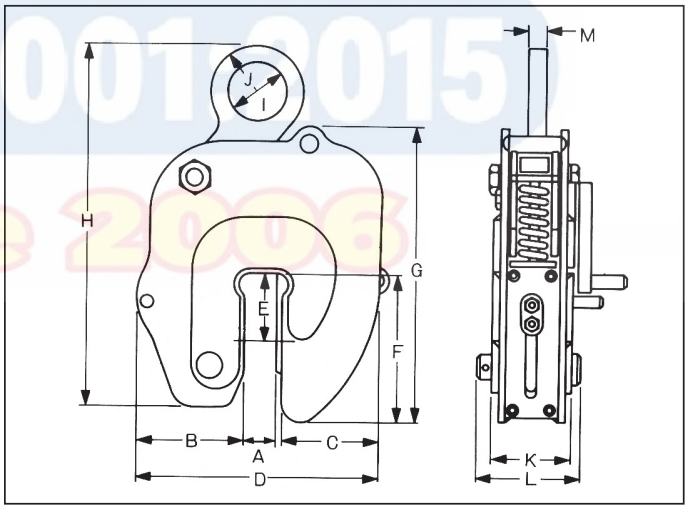
■Material types
Steel materials and nonferrous materials (stainless steel plates, clad steel plates, aluminum plates) up to HV250

■Features
- ●Large lifting shackle with a warning marker to check for safety when lifting
- ●Wedge pressure lever to prevent clamp malfunctions
- ●Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than five times the weight of the load / The grip is proportional to the weight of the load, yet leaves the load free of unnecessary scars
- ●Stopper cam lock to prevent objects from falling
- ●Induction-hardened, special steel alloy stopper cam
- ●Large-face wedge to securely grip the load without marring it
- ●Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- ●Baked epoxy paint finish

■Precautions for use
- ●Stopper cam may be activated if a load starts to slip because some foreign substance (water, oil, rust or paint) is on the object being lifted. Therefore, care should be taken.
- ●Be cautious when lifting and landing objects since the stopper cam can be activated by an impact or by an object tilting.
- ●In cases when the stopper cam is activated and the clamp can' t be released, pull out the cam pin.
- ●Stopper cam lock handle should be kept in the Open position when not in use.
- ●Never use clamps with deformed, worn or damaged bodies or parts.



Specifications



■Table of Dimensions (Model : NECII)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	L	M	
05C0012N	NECII-200(1-12)	40~200	1~12	14	58	54	128	27	78	154	176	35	26	37	47	8	2.3
05C00160	NECII-500(1-16)	100~500	1~16	19	81	75	178	36	108	213	249	45	36	48	62	10	6.1
05C10251	NECII-1 (5-25)	200~1000	5~25	28	95	90	221	50	132	245	296	50	40	68	70	16	9.9
05C20300	NEC-2 (5-30)	400~2000	5~30	33	100	100	240	50	140	275	338	50	43	78	78	16	14.0
05C30350	NEC-3 (5-35)	600~3000	5~35	38	112	105	257	55	152.5	305.5	378	60	50	86	109	19	22.0
05C50400	NEC-5 (5-40)	1000~5000	5~40	42	123	123	291	75	196	355	422	70	62	120	143	19	39.4

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model NNEII

Non-marring clamps with a cam-like simple operation

Clamps for steel Non-marring vertical lifting clamps



■Application

Vertical lifting, transporting, turning, welding, assembling, erecting and loading

■Materials that can be handled

Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, etc.

■Material types

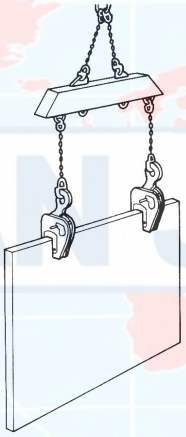
Steel materials and nonferrous materials (aluminum plates) up to HV250

■Features

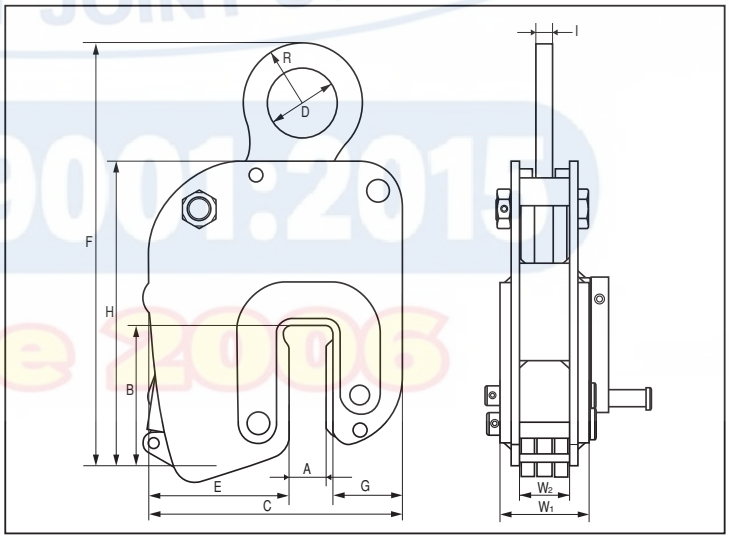
- Patented mechanism which simultaneously locks the stopper cam and the non-marring clamp cam
- One-touch lever lock (also for releasing)
- Built-in stopper cam to prevent objects from falling
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  Clamping force is more than three times the weight of the load / The grip is proportional to the weight of the load, yet leaves the load free from unnecessary scars
- Induction-hardened, special steel alloy non-marring cam and stopper cam
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Easy-to-handle large lifting shackle
- Baked epoxy paint finish

■Precautions for use

- These clamps are not suitable for surface-treated steel such as stainless steel or material that has a zinc rich primer coat.
- The stopper cam may be activated if a load starts to slip because some foreign substance (water, oil, rust or paint) is on the object being lifted and the load may be damaged.
- Be cautious when lifting and landing as the stopper cam can be activated by impacts or by the load tilting.



Specifications



■Table of Dimensions (Model : NNEII)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	R	W1	W2	
07000140	NNE-500 (3-14)	100~500	3~14	16	93	166	φ50	94.5	278	49	213	10	40	52	31	5.9
07010160	NNEII-1 (3-16)	200~1000	3~16	18	93	168	φ50	94.5	278	49	213	12	43	60	32	8.5
07010200	NNEII-1 (5-20)	200~1000	5~20	21	100	188	φ50	105.5	300	51	218	12	43	64	36	8.4
07010250	NNEII-1 (10-25)	200~1000	10~25	26	100	188	φ50	105.5	300	51	218	12	43	64	36	8.4
0702020N	NNEII-2 (5-20)	400~2000	5~20	22.5	119	194	φ50	116.5	316	48	244	16	48	68	40	11.0
0702030N	NNEII-2 (15-30)	400~2000	15~30	32.5	119	204	φ50	116.5	316	48	244	16	48	68	40	11.1
※0703025N	NNEII-3 (5-25)	600~3000	5~25	27,5	123	229	φ60	132.5	368	60	273	19	50	80.5	48.5	16.4
0703040N	NNEII-3 (20-40)	600~3000	20~40	42	123	244	φ60	132.5	368	60	273	19	50	80.5	48.5	17.6

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model NE

Non-marring clamps with an anti-slip cam, which gives a solid response

Clamps for steel Non-marring vertical lifting clamps



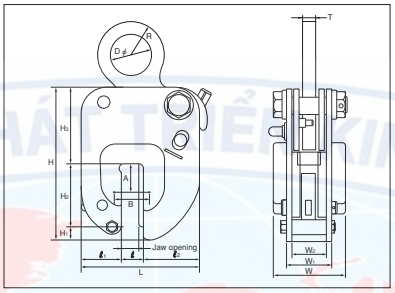
■Application
Vertical lifting, transporting, turning, welding, assembling, erecting and loading

■Materials that can be handled
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, etc.

■Material types
Steel materials and nonferrous materials (stainless steel plates, clad steel plates, aluminum plates) up to HV250

■Features
- The wedge clamped with a screw is clamped even more tightly by the load being lifted
- Stopper cam lock to prevent objects from falling

Specifications



Clamp until the guide pin is in position to enable lifting.

■Table of Dimensions (Model : NE)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)															Product weight (kg)
				ℓ	ℓ1	ℓ2	L	H1	H2	H3	H	W1	W2	W	D	R	T	A	B	
※08000200	NE-500(3-20)	100~500	3~20	25	55	68	148	18	78	99	195	48	36	60	50	40	12	40	40	5.8
※08010250	NE-1 (5-25)	200~1000	5~25	31	60	80	171	27	88	110	225	55	43	71	50	45	16	50	50	8.6
※08020300	NE-2 (5-30)	400~2000	5~30	36	71	91	198	26	107	133	266	71	54	87	60	55	19	50	60	15.1
※08030350	NE-3 (10-35)	600~3000	10~35	40	85	100	225	35	110	155	300	82	62	102	60	55	19	60	60	23.6
※08050400	NE-5 (10-40)	1000~5000	10~40	50	105	130	285	40	130	175	345	104	80	128	70	60	25	60	70	42.0

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model NNEIIL

Simple non-marring clamps with a cam-like simple operation

- The lock is a latch type device that is the same as found on the Models E and SL

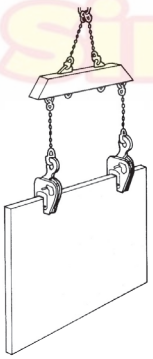
Clamps for steel Non-marring clamps for lifting steel plates vertically



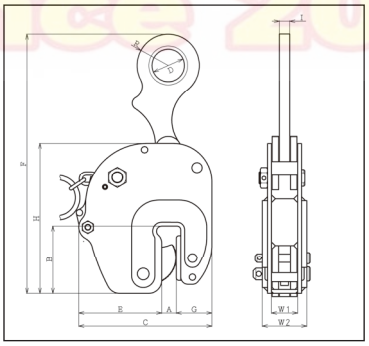
■Application
Vertical lifting, transporting, turning, welding, assembling, erecting and loading

■Materials that can be handled
Steel plates, shaped-steel, flat steel, steel joists, bridges, steel structures, steel frames, etc.

■Material types
Steel materials and nonferrous materials (aluminum plates) up to HV250



Specifications



■Table of Dimensions (Model : NNEIIL)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	R	W1	W2	
※0702020L	NNEIIL-2(5-20)	400~2000	5~20	22.5	105	205.5	φ50	128	303~402	48	233	16	48	68	40	11.0
※0702030L	NNEIIL-2(15-30)	400~2000	15~30	32.5	105	215.5	φ50	128	303~402	48	233	16	48	68	40	11.1
※0703025L	NNEIIL-3(5-25)	600~3000	5~25	27.5	109	238.5	φ60	142	354~461	60	259	19	50	80.5	48.5	17.3
※0703040L	NNEIIL-3(20-40)	600~3000	20~40	42.5	109	253.5	φ60	142	354~469	60	259	19	50	80.5	48.5	17.6

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model BMB

Lightweight & compact non-marring clamps with a one-touch lock

Clamps for steel Non-marring lateral lifting clamps



■Application

Lateral lifting, horizontal lifting, transporting, pulling out, welding, assembling, erecting and loading

■Materials that can be handled

Shaped-steel (H-shape), bridges, steel structures, steel plates, steel frames, longitudinals for shipbuilding, etc.

■Material types

Steel materials and nonferrous materials (stainless steel plates, clad steel plates, aluminum plates) up to HV250

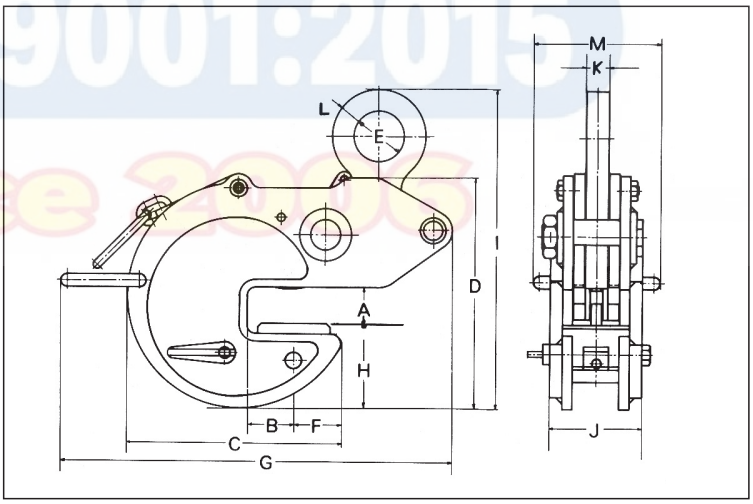
■Features

- Reliable latch type locking device (clamping mechanism with non-marring cam)
- Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  The grip is proportional to the weight of the load, yet leaves the load free from unnecessary scars
- Stopper cam lock to prevent falls
- Non-marring clamp cam, stopper cam and presser foot are all made of an induction-hardened special steel alloy
- Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- Easy-to-use handle

■Precautions for use

- Make sure to apply 2 or more point lifting.
- Not suited for vertical lifting and transporting of steel plates.
- Abide to employ 3 or 4 point lifting for horizontal lifting of steel plates, section members or structures.
- Never use clamps with deformed, worn or damaged body or parts.
- Angle between the jaw opening and the edge of the load must be 90° ±15°.

Specifications



■Table of Dimensions (Model : BMB)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	L	M	
20B10250	BMB-1 (5-25)	200~1000	5~25	28	40	163	183	36	35	306	58	292	67	19	14	116	7.9
20B20300	BMB-2 (5-30)	400~2000	5~30	33	40	186	205	40	36	344	62	330	82	22	18	124	12.8
20B30350	BMB-3(10-35)	600~3000	10~35	38	50	215	231	50	45	382	73	388	90	22	20	124	18.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

CÔNG TY CỔ PHẦN PHÁT TRIỂN KINH TẾ ĐÔNG NAMÁ
ASEANSCMN
EQUIPMENT JOINT STOCK COMPANY
ISO 9001:2015
since 2005

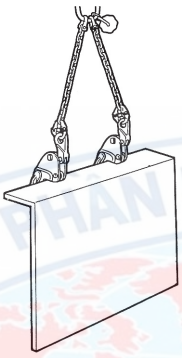
Model GNE

G-type non-marring clamp suitable for shaped-steel with a short face

Clamp for steel Non-marring lateral lifting clamp



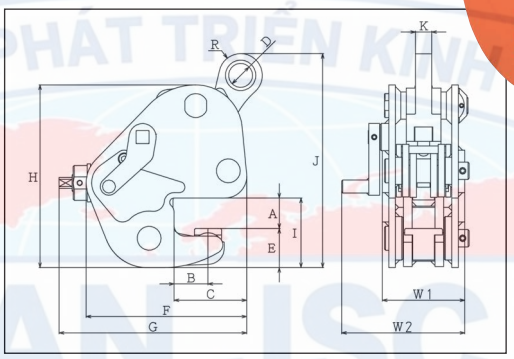
■Application
Lateral lifting, horizontal lifting, transporting, pulling out, welding, assembling, erecting and loading



■Materials that can be handled
Shaped-steel (H-shape, angle), bridges, steel structures, steel plates, steel frames, longitudinals for shipbuilding, pipes, etc.

■Material types
Steel materials and nonferrous materials (stainless steel plates, clad steel plates, aluminum plates) up to HV250

Specifications



■Table of Dimensions (Model : GNE)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	W1	W2	
※19610250	GNE-1 (5-25)	200~1000	5~25	3~28	31	50	Φ22	36~61	148	173	168	64	196~221	15	76	113.5	5.4

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

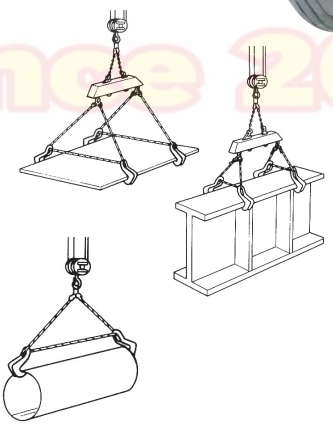
Model EH

Lightweight and compact, easy-to-use claw hackers

Clamps for steel Eagle hackers



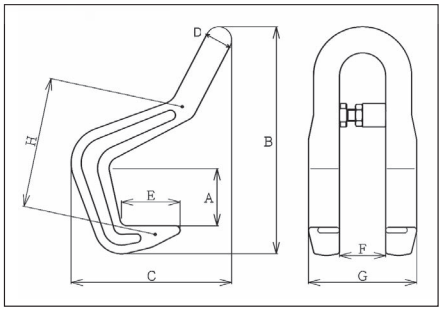
■Application
Horizontal lifting and transporting



■Materials that can be handled
Steel plates, shaped-steel (large H-shape), flat steel, steel joists, steel sheet pilings, steel structures, steel frames, crane girders, crane beams, pipes, etc.

■Precautions for use
- Make sure to use pairs of clamps diagonally.
- Use a balancer for long objects.
- Use a hook on both ends for pipes.

Specifications



■Table of Dimensions (Model : EH)

Code No.	Model	W.L.L. Min~Max (kg)	Maximum opening (mm)	Dimensions (mm)								Product weight (kg)
				A	B	C	D	E	F	G	H	
00EH0011	EH-1	1	40	40	156	111	ϕ18	40	32	75	90	1.0
00EH0021	EH-2	2	50	50	230	161	ϕ24	60	46	106	105	3.0
00EH0031	EH-3	3	55	55	258	178	ϕ30	65	57	129	115	5.3
00EH0051	EH-5	5	75	75	316	226	ϕ38	90	72	158	150	10.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model IHM

Affordable hooks to prevent electrocution and electrical leaks, safe for welding work

- Performance tested by Technology Research Institute of Osaka Prefecture
- Performance tested by Kansai Electrical Safety Inspection Association

Clamps for steel Insulated hooks



IHM-1





IHM-2～5

■Application

Prevents accidental electrocution caused by faulty grounding of electric welding equipment and burned out crane motors and equipment / Prevents broken wire strands and cam damage due to sparks

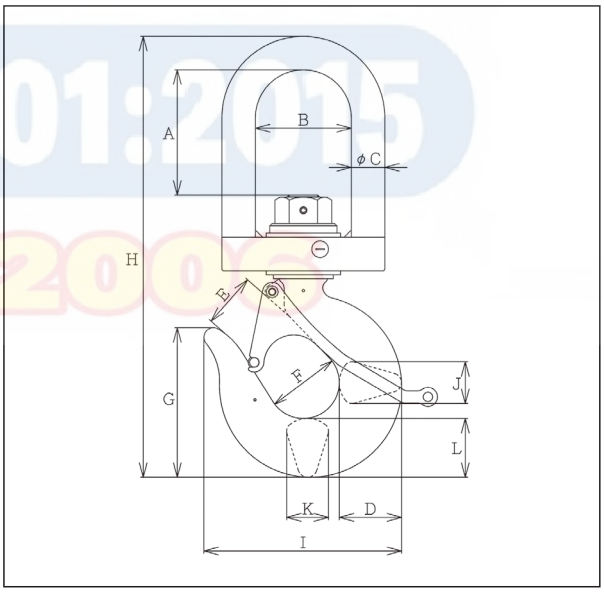
- This product is set up so that it can be used with a larger crane hook. However, check the actual hook size you intend to use.

■Features

- Easy to operate, with a gravity latch type prevention device to keep the cable from coming off
- Completely insulated using a replaceable insulating material
- Insulation resistance: 1MΩ or better
- Dielectric rating: 1500V
- Since this hook is larger than those used in general hoisting, it is easy to put a cable in it
- The use of a new insulating material improves its durability remarkably

※Hooks becoming charged with electricity caused by air transmission or due to high-voltage lines depends on the induced voltage conditions. Therefore, the prevention of electric shocks cannot be guaranteed.

Specifications



■ Table of Dimensions (Model : IHM)

Code No.	Model	Maximum working load (kg)	Dimensions (mm)												Product weight (kg)
			A	B	C	D	E	F	G	H	I	J	K	L	
00IHM010	IHM-1	1000	87	66	φ22	42.5	38	50	95	296	127	31.5	29.5	38.5	3.5
00IHM020	IHM-2	2000	104	80	φ28	53.5	48	60	125	369	165	36.5	36.5	50.5	6.4
00IHM030	IHM-3	3000	147	96	φ30	67.5	57	71	140	458	195	42.5	42.5	58.5	9.6
00IHM050	IHM-5	5000	201	138	φ36	85	74	85	164	615	242	56.5	49.5	75	22.5

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model VAF

Horizontal lifting clamps specially made for lifting thin plates that tend to curve when lifted



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Horizontal lifting clamps



VAF-1.5 (with handle)

■Application

Horizontal lifting and transporting

■Materials that can be handled

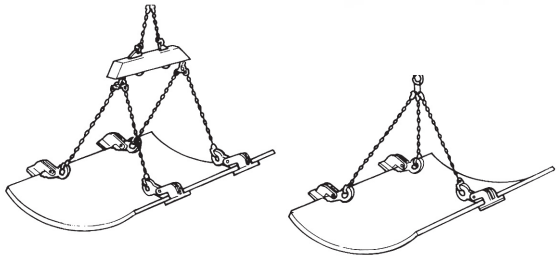
Steel plates and iron floor plates

■Features

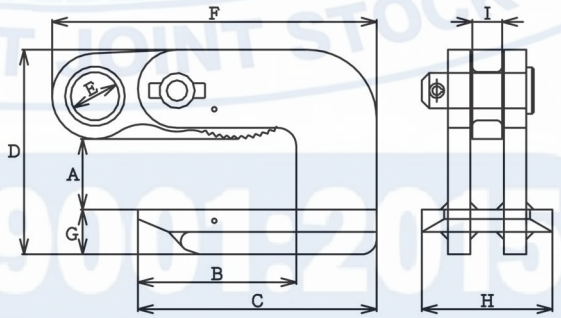
- The cam mechanism that is the same as that used on the Model VA, making it especially useful for handling thin steel plates
- Examples of increases in the lifting load are shown when material curves or bends as it is lifted
- The shape is a thin support plate that is easy to put between steel plates
- The clamping mechanism operates according to the weight of the load being lifted

■Precautions for use

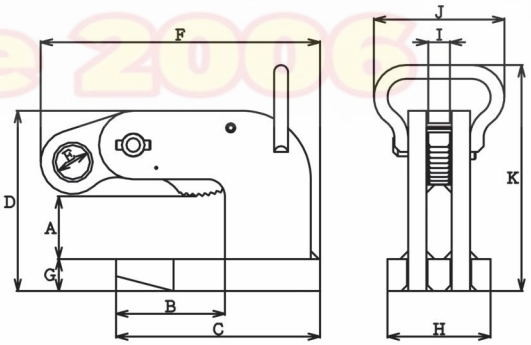
Use a balancer for long objects.
Three or more clamps should be used at angles to each other (not in a straight line).
Combined lifting cannot be performed.



Specifications



VAF-500
VAF-1



VAF-1.5

■ Table of Dimensions (Model : VAF)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)											Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	
13000350	VAF-500 (3-35)	100~500	3~35	35	85	128	111	26	175	24	70	16	-	-	3.1
13010350	VAF-1 (3-35)	200~1000	3~35	35	90	155	133	30	218	25	90	19	-	-	6.8
13510500	VAF-1.5 (5-50)	300~1500	5~50	55	95	178	158	30	245	28	90	19	114	198	8.9
13510800	VAF-1.5 (30-80)	300~1500	30~80	85	95	178	188	30	245	28	90	19	114	228	9.6

※With a handle only for the 1.5 t model, wire diameter: 12 mm
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model VAFS

Horizontal lifting clamps with a latch type lock for steel plates and iron floor plates



※A version with knurled teeth that leave imperceptible bite marks is also available.

Clamps for steel Horizontal lifting clamps

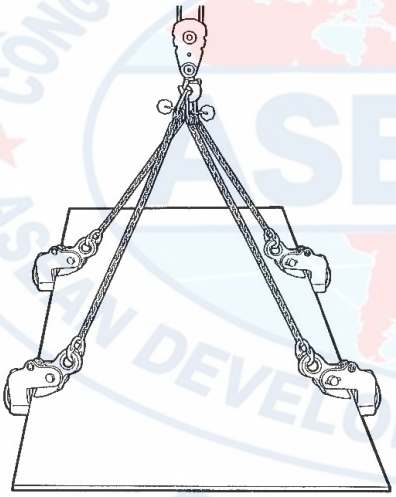


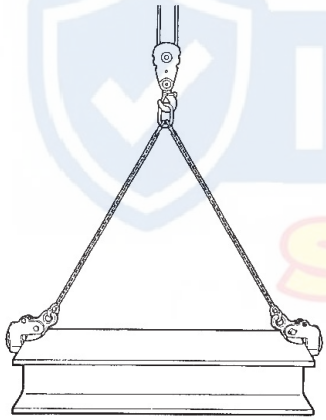
■Application

Horizontal shifting of steel plates and H-shaped steel

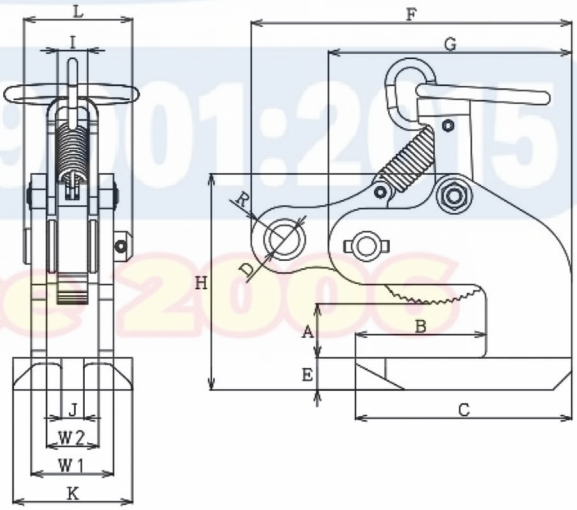
■Materials that can be handled

Steel plates, iron floor plates and shaped steel (H-shaped steel)





Specifications



■ Table of Dimensions (Model : VAFS)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)															Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	L	R	W1	W2	
13960300	VAFS-600(5-30)	120~600	5~30	30	70	116	ϕ16	17	172	130.5	116	16	12	64	58	18	44	28	2.6
13010300	VAFS-1 (5-30)	200~1000	5~30	34	70	116	ϕ26	23	177	132	122	19	14	78	70	23	52	28	3.7

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model HO

Clamps most suitable for moving thick steel plates being held horizontally

- The HO-500 is a thin support plate that is easy to put in between steel plates

Clamps for steel Horizontal lifting clamps



HO-1 ton,1.5 ton



HO-500kg

■Application

Horizontal lifting and transporting

■Materials that can be handled

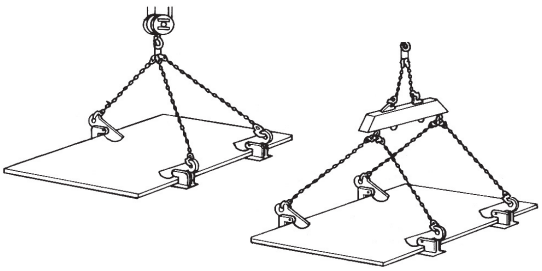
Steel plates, thick plates and iron floor plates

■Features

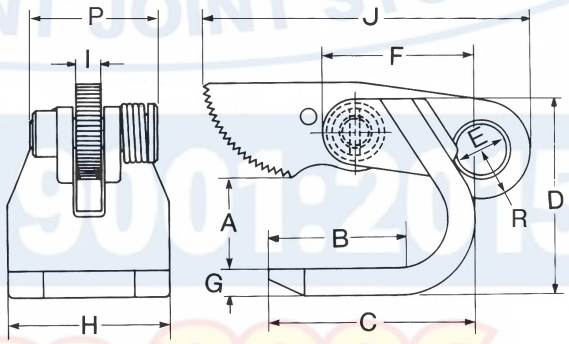
- The HO-500 has a spring lock that makes it easy to attach, and it resists clamp slippage even under no load when performing multiple-point lifting
- Powerful automatic clamping mechanism uses the weight of the load to maintain the clamping force
  The grip is proportional to the weight of the load

■Precautions for use

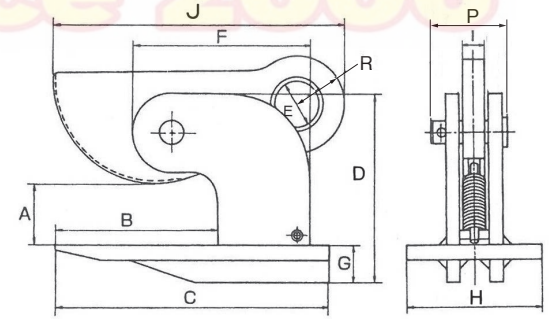
- Three or more clamps should be used at angles to each other (not in a straight line).
- Do not use these clamps to lift steel plates that tend to curve when lifted.



Specifications



HO-500kg



HO-1ton、1.5ton

■ Table of Dimensions (Model : HO)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	P	R	
10000500	HO-500	100~500	10~50	56	80	126	122	30	93	16	100	16	207	79	31	4.1
10010500	HO-1	200~1000	10~50	53	130	220	156	36	142	32	110	19	234	61	39	7.5
※10510500	HO-1.5	300~1500	10~50	56	140	240	167	40	155	32	120	22	280	78	40	10.9

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model HOS

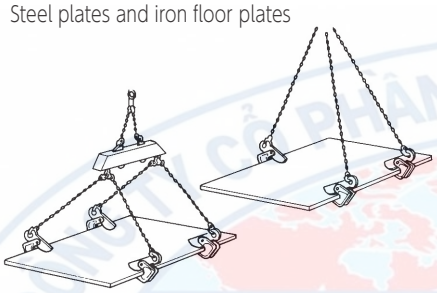
Lightweight and easy to release hacker-type clamps for horizontal lifting

Clamps for steel Horizontal lifting clamps

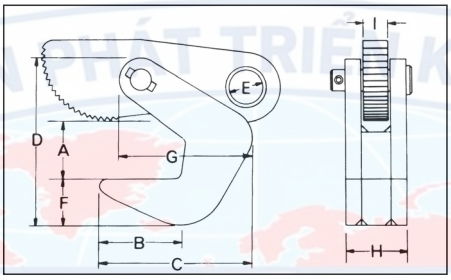


■Application
Horizontal lifting and transporting

■Materials that can be handled
Steel plates and iron floor plates



Specifications



■ Table of Dimensions (Model : HOS)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)									Product weight (kg)
				A	B	C	D	E	F	G	H	I	
12000400	HOS-500	100~500	8~40	43	61	118	127	25	37	103	46	19	3.2
12010400	HOS-1	200~1000	8~40	43	61	119	128	25	38	104	61	22	3.8
※12510500	HOS-1.5	300~1500	8~50	52	65	133	151	30	41	118	72	25	6.0
※12520600	HOS-2.5	500~2500	10~60	74	65	147	178	30	43	119	96	28	9.2

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model HOW

Horizontal lifting of heavy plates weighing 4 tons or more

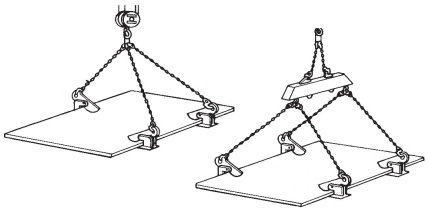
Clamps for steel Horizontal lifting clamps



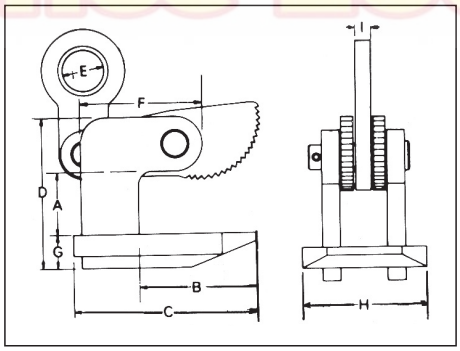
■Application
Horizontal lifting and transporting

■Materials that can be handled
Thick plates, packaged steel plates and thick flanges

■Precautions for use
●Three or more clamps should be used at angles to each other (not in a straight line).



Specifications



■ Table of Dimensions (Model : HOW)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)									Product weight (kg)
				A	B	C	D	E	F	G	H	I	
※11020600	HOW-2	400~2000	15~60	74.5	140	220	180	50	148	40	150	19	17.6
※11520600	HOW-2.5	500~2500	15~60	74.5	140	220	180	50	148	40	150	19	18.3

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model BCL (Latch type lock device)

Special clamps for bulb plates of any size or shape

Clamps for steel Clamps for bulb plates

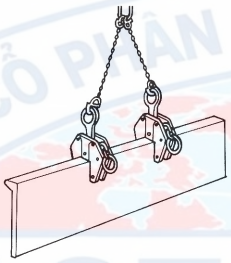


■Application

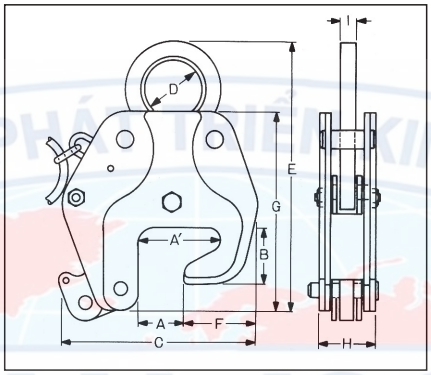
Vertical lifting, transporting, turning, welding, assembling, loading, pressing and bending

■Materials that can be handled

Bulb plate complies with Japanese Industrial Standards (JIS G3192 Steel bulb flats) and international industrial standards (A180 to A250)



Specifications



■ Table of Dimensions (Model : BCL)

Code No.	Model	W.L.L. Min~Max (kg)	Bulb plate A dimensions (mm)	Dimensions (mm)										Product weight (kg)
				A	A'	B	C	D	E	F	G	H	I	
40005000	BCL-500	100~500	180·200·230·250	48	83	59	188	50	230~283	71	183	40	12	4.7
40010500	BCL-1	200~1000		48	87	59	206	60	281~342	77	213	60	14	7.4
※40020750	BCL-2	400~2000		60	110	64	269	60	396~475	103	320.5	68	19	16.5

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model BCR (Lever type lock device)

Lever type lock and easy to install Clamps designed for use with bulb plates only

Clamps for steel Clamps for bulb plates

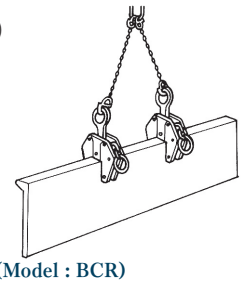


■Application

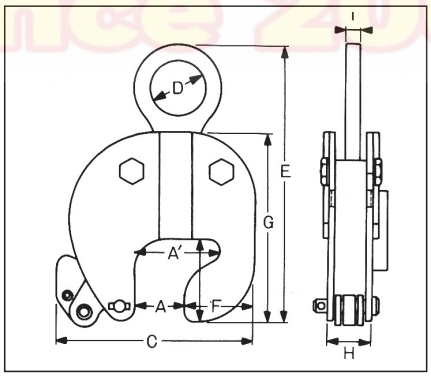
Vertical lifting, transporting, turning, welding, assembling, loading, pressing and bending

■Materials that can be handled

Bulb plate complies with Japanese Industrial Standards (JIS G3192 Steel bulb flats) and international industrial standards (A180 to A250) (The BCR-500 can handle bulb plates up to A230.)



Specifications



■ Table of Dimensions (Model : BCR)

Code No.	Model	W.L.L. Min~Max (kg)	Bulb plate A dimensions (mm)	Dimensions (mm)										Product weight (kg)
				A	A'	B	C	D	E	F	G	H	I	
41000500	BCR-500	100~500	180·200·230	45	75	73	165	50	240~294	60	168	40	12	4.3
41010500	BCR-1	200~1000	180·200·230·250	48	87	59	215	60	257~314	77	184	60	16	8.5

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model CCV

Easy-to-use special clamps for prismatic columns with release lock
Clamps with an easy-handle release lock can be used with both prismatic columns and concrete blocks

Clamps for steel Clamps for columns

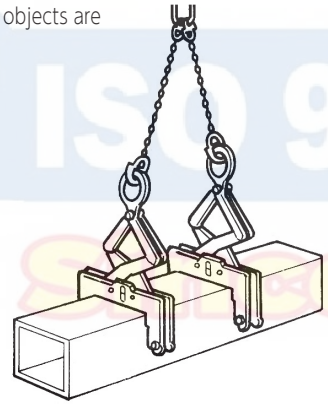


■Application
Lifting and transporting

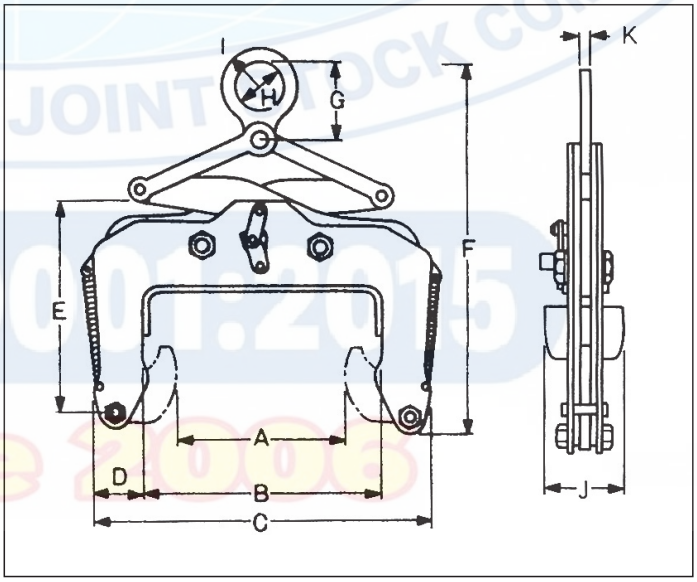
■Materials that can be handled
Various prismatic columns (□200˚ - □500)
Various concrete blocks (□200˚ - □500)
* Fully cured concrete product that is strong enough to withstand lifting loads

■Features
- ●Lever type clamping/release lock device with a quick-release spring
- ●Powerful automatic clamping mechanism uses the weight of the load to provide clamping pressure
  The grip is proportional to the weight of the load
- ●Double cam/link mechanism that clamps an object to be lifted in the center of the two cams
- ●Induction-hardened, special steel alloy cam
- ●Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- ●Easy-to-handle large lifting shackle
- ●Baked epoxy paint finish

■Precautions for use
- ●Make sure to perform 2 or more point lifting.
- ●This clamp cannot be used to lift long materials vertically.
- ●Use a balance when heavy or long objects are lifted and transported.



Specifications



■ Table of Dimensions (Model : CCV)

Code No.	Model	W.L.L. Min~Max (kg)	Effective dimensions A (mm)	Dimensions (mm)										Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	
※88930320	CCV-300(250-320)	60~300	250~300	340	476	68	256	410	90	60	45	80	10	10.5
※88930400	CCV-300(320-400)	60~300	320~400	420	556	68	287	420	90	60	45	80	10	11.7
※38000250	CCV-500(200-250)	100~500	200~250	270	406	68	245	428	90	60	45	90	12	13.8
※38000300	CCV-500(250-300)	100~500	250~300	311	466	77.5	255	410	90	60	45	90	12	13.3
※38000350	CCV-500(300-350)	100~500	300~350	368	502	66	260	405	90	60	45	90	12	13.4
※88000500	CCV-500(400-500)	100~500	400~500	520	670	75	314	455	90	60	45	90	12	20.7
※38010250	CCV-1 (200-250)	200~1000	200~250	270	430	80	250	424	90	60	45	90	16	19.4
※38010300	CCV-1 (250-300)	200~1000	250~300	320	480	80	255	431	90	60	45	90	16	20.3
※38010350	CCV-1 (300-350)	200~1000	300~350	370	530	80	260	425	90	60	45	90	16	21.5
※38015350	CCV-1.5 (300-350)	300~1500	300~350	370	530	80	270	430	90	60	45	90	16	23.1
※38015400	CCV-1.5 (350-400)	300~1500	350~400	420	580	80	270	445	90	60	45	90	16	24.9

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model OCS

OCS-XZ-B

Light and beautiful main body case made of reinforced plastic: Can weigh objects from 1 to 5 tons

Weighing equipment for objects to be lifted Crane scales



OCS-XZ-B
No wireless communication function

L58mm x W38mm
(does not include protrusions)

■Applications

To prevent overloading the crane and lifting devices, for weight control during manufacturing, for weight management at the time of shipment, to prevent overloading trucks, to weigh steel products for warehousing, to weigh forged/cast/heat treated products and to weigh scrap material

■Features

- Big, easy-to-read, bright LED display, withstands impacts
- One-touch operation for zero/net weight adjustment
- Automatically records 13 measurements and retain the memory after power is cut
- Automatic stop mechanism. Battery voltage display
- Small wireless control device for zero setting, data checking and turning the power on/off

■Precautions for use

- Be sure to keep the battery charged, whether it is used or not.
- Since this is precision measuring equipment, avoid sources of magnetism, static electricity, mechanical shock, high temperatures or rainwater.

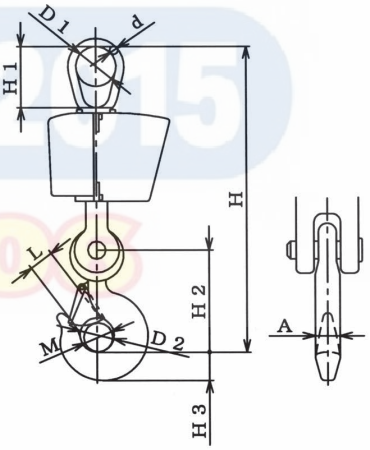
■Option

- A battery charger is also available for battery type B (consumable).



Specifications

OCS-XZ-B



■ Table of Dimensions (Model : OCS-XZ-B)

Code No.	Model	Weighing capacity (t)	Min display (kg)	Dimensions (mm)										Product weight (kg)
				A	d	D1	D2	H	H1	H2	H3	L	M	
00CSB010	OCS-XZ-B-1	1	0.5	33	26	73	52	476	110	135	40	36	44	11
00CSB020	OCS-XZ-B-2	2	1	33	26	73	52	476	110	135	40	36	44	12
00CSB030	OCS-XZ-B-3	3	1	33	26	73	52	476	110	135	40	36	44	12
00CSB050	OCS-XZ-B-5	5	2	41	26	73	71	527	110	167	46	44	58	17

OThe specifications, dimensions and paint colors are subject to change without prior notice.

Model OCS

OCS-XZ-AN
OCS-XZ-AW

A wide range of robust, metallic main bodies: For 1 to 30 ton loads

Weighing equipment for objects to be lifted Crane scales



OCS-XZ-AN
No wireless communication function
OCS-XZ-AW
With a wireless communication function

L58mm x W38mm
(does not include protrusions)

■Applications

To prevent overloading the crane and lifting devices, for weight control during manufacturing, for weight management at the time of shipment, to prevent overloading trucks, to weigh steel products for warehousing, to weigh forged/cast/heat treated products and to weigh scrap material

■Features

- Big, easy-to-read, bright LED display, withstands impacts
- One-touch operation for zero/net weight adjustment
- Automatically records 13 measurements and retain the memory after power is cut
- Automatic stop mechanism. Battery voltage display
- Small wireless control device for zero setting, data checking and turning the power on/off

■Precautions for use

- Be sure to keep the battery charged, whether it is used or not.
- Since this is precision measuring equipment, avoid sources of magnetism, static electricity, mechanical shock, high temperatures or rainwater.

■Option

- The specified low power radio allows the values measured to be checked or printed at a distant location. (Only for the OCS-XZ-AW)
- A specially designed stand for type A, a battery charger for battery type A (consumable), and other options are also available.

Large wireless display
(for OCS-XZ-AW)



Wireless indicator capable of outputting measurements and storing data (with the OCS-XZ-AW)



An insulated plate is also available for use in high temperatures.



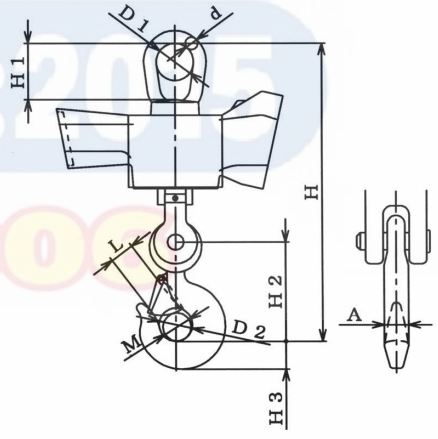
OCS-XZ-APN

Specially designed stand for type A
(For A-1t to A-10t, for A-15t to A-30t)



Specifications

OCS-XZ-AN(Applicable to AW)



■ Table of Dimensions (Model : OCS-XZ-AN)

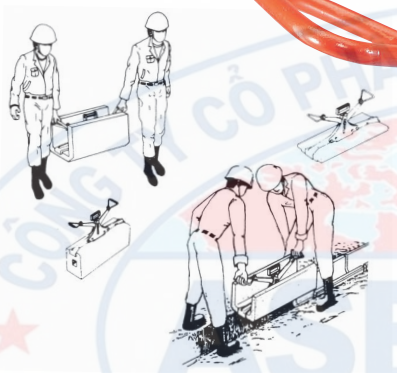
Code No.	Model	Weighing capacity (t)	Min display (kg)	Dimensions (mm)										Product weight (kg)
				A	d	D1	D2	H	H1	H2	H3	L	M	
00CSA010	OCS-XZ-AN-1	1	0.5	33	26	73	52	476	110	135	40	36	44	16
00CSA020	OCS-XZ-AN-2	2	1	33	26	73	52	476	110	135	40	36	44	18
00CSA030	OCS-XZ-AN-3	3	1	33	26	73	52	476	110	135	40	36	44	18
00CSA050	OCS-XZ-AN-5	5	2	41	26	73	71	527	110	167	46	44	58	22
00CSA100	OCS-XZ-AN-10	10	5	44	34	86	81	682	135	200	50	60	58	37
00CSA150	OCS-XZ-AN-15	15	5	78	46	135	110	985	226	280	123	85	75	86
00CSA200	OCS-XZ-AN-20	20	10	78	46	135	110	985	226	280	123	85	75	86
00CSA300	OCS-XZ-AN-30	30	10	98	60	160	120	1075	285	350	158	90	80	146

Also applicable to AW
All measurements are shared by the insulated plate specification models (APN・APW) for 1t to 30t. Increases the mass of the product by 2kg.
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model UGH

Best suited to install gutter covers (for both 500mm & 600mm)

Clamps for auxiliary concrete products Clamps for U-shaped channels, gutter covers and curbstones





■Application

Transporting U-shaped channels, gutter covers and curbstones, and transporting, loading/unloading and installing concrete blocks

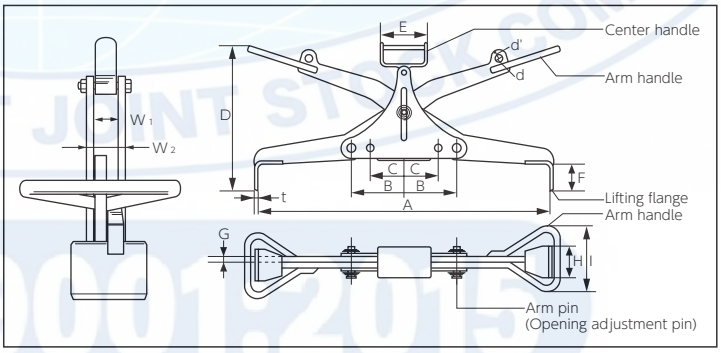
■Materials that can be handled

Roadway/walkway divider blocks, gutter lids, U-shaped channels, L-shaped blocks, etc.

■Features

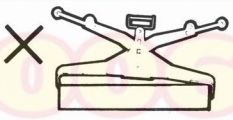
- For longitudinal lifting
- Easy to use and reduces the human workload
- Two people can install curbstones or U-shaped gutters with minimum effort
- Two people can install/remove gutter covers
- Does not interrupt water flow because the pieces are held longitudinally

Specifications

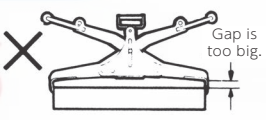


■Precautions for use

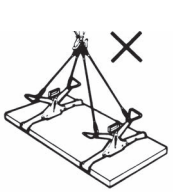
- Be careful not to allow vertical shock loads to impact the lifting device or the object being lifted while transporting the object on foot.
- When lifting this clamp with a crane, use a lifting shackle to connect separate chains or cables to the lifting hole near the end of each arm before lifting or transporting operations.
- Insert the pin into the hole at the 500mm or 600mm position, according to the size of the load. Make sure that the pin is fully inserted.
- Attach the clamp securely at the center of the load. Never lift the load as shown.
- Never use a clamp with bent, stretched, or distorted lifting flanges, such as can be caused by overloading.
- Never use more than one clamp at a time. Make sure to perform single point lifting.
- When re-lifting an object after setting it down, pay special attention when attaching the clamp.
- Do not place objects on unstable surface when landed.

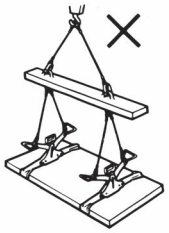


Unbalanced load



Do not grip the load using the tip of the lifting flanges.





■ Table of Dimensions (Model : UGH)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (Lifting width) (mm) A	Dimensions (mm)												Product weight (kg)
				B	C	D	E	F	G	H	I	d	d'	t	W1	W2	
39820600	UGH-200(500·600)	20~200	500(460~510) 600(560~610)	110	60	80~350	104	52	10	70	149	ϕ16	16	8	22	31	7.6
39821000	UGH-250(900·1000)	25~250	900(860~910) 1000(960~1010)	188	138	120~560	99	50	10	80	149	ϕ16	18	8	23	35	16.5

○The specifications, dimensions and paint colors are subject to change without prior notice.

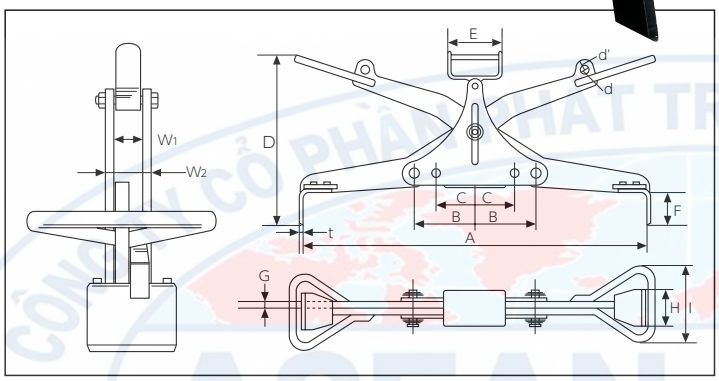
Model UGHC

Economical with replaceable lifting flanges

Clamp for auxiliary concrete products Clamp for U-shaped channels, gutter covers and curbstones



Specifications



■Application

Transporting U-shaped channels, gutter covers and curbstones, and transporting, loading/unloading and installing concrete blocks

■Materials that can be handled

Roadway/walkway divider blocks, gutter lids, U-shaped channels, L-shaped blocks, etc.



■ Table of Dimensions (Model : UGHC)

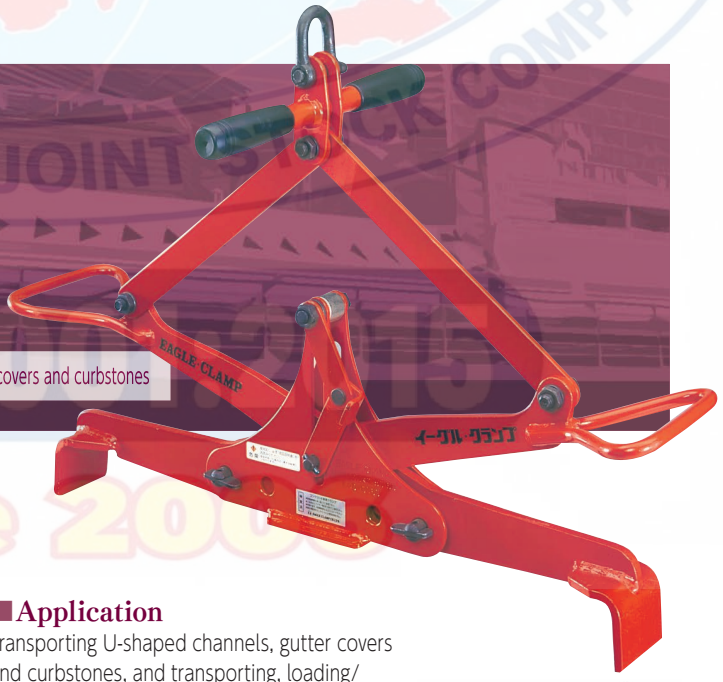
Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (Lifting width) (mm) A	Dimensions (mm)													Product weight (kg)
				B	C	D	E	F	G	H	I	d	d'	t	W1	W2	
39820605	UGHC-200	20~200	500(460~510) 600(560~610)	110	60	80~350	104	51	10	70	149	ϕ16	16	8	22	32	7.8

○The specifications, dimensions and paint colors are subject to change without prior notice.

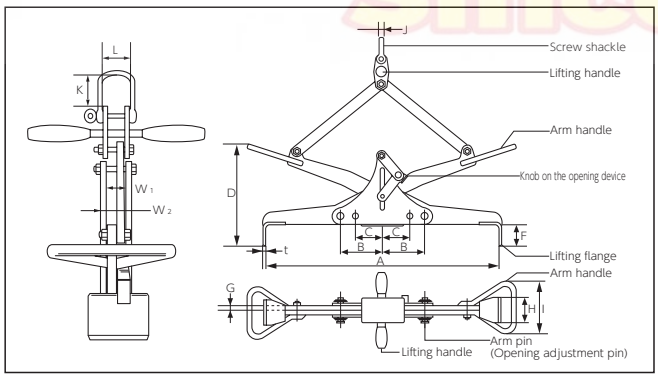
Model UGM

Easy-to-use clamp for handling U-shaped channels, with a release lock

Clamp for auxiliary concrete products Clamp for U-shaped channels, gutter covers and curbstones



Specifications

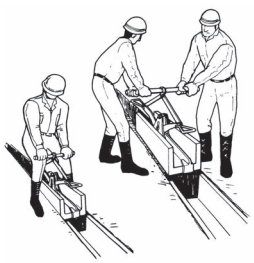


■Application

Transporting U-shaped channels, gutter covers and curbstones, and transporting, loading/unloading and installing concrete blocks

■Materials that can be handled

Roadway/walkway divider blocks, gutter covers, U-shaped channels, L-shaped blocks, etc.



■ Table of Dimensions (Model : UGM)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (Lifting width) (mm) A	Dimensions (mm)													Product weight (kg)
				B	C	D	F	G	H	I	J	K	L	t	W1	W2	
39820601	UGM-200	20~200	500(460~510) 600(560~610)	110	60	80~350	52	10	70	149	12	30	24	8	22	32	9.9

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EUIF

Internal lifting clamp simply developed in pursuit of easy-of-use and weight reduction

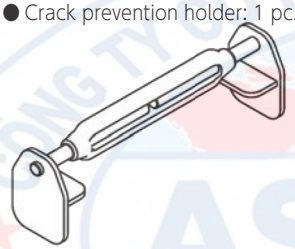
Clamp for auxiliary concrete products Clamp for lifting U-shaped channels from the inside





Accessories

- Lifting wire
- Crack prevention holder: 1 pc.

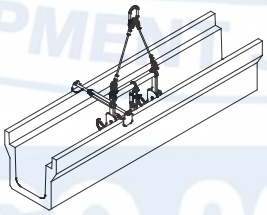


■Application

Lifting roadside ditches or U-shaped channels from their inside, and transporting, loading, unloading and installing them

■Materials that can be handled

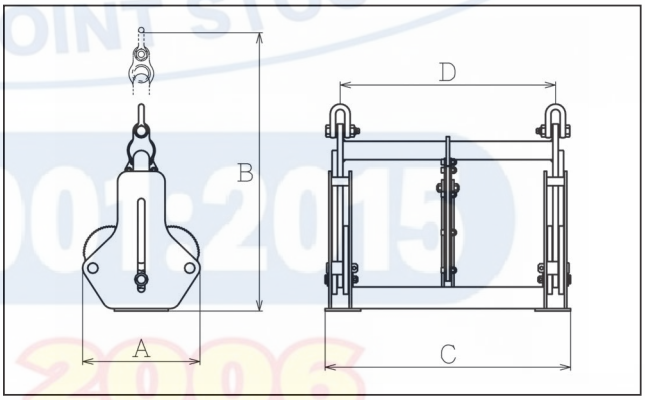
Drop-lid type U-shaped roadside ditches
(JIS A 5372) Class 1, Class 3
Nominal designation: 250, 300A, 300B, 300C
(Length: Up to 2,000 mm)
U-shaped channels (JIS A 5305)
Nominal designation: 240, 300A, 300B, 300C
(Length: Up to 2,000 mm)



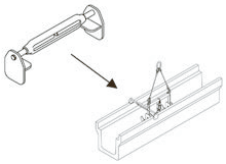
■Features

- Small, lightweight and simple design
- The sizes were selected from those most often used, so that this clamp can be used without making adjustments
- Equipped with an automatic attachment/detachment device, allowing the work to be performed efficiently

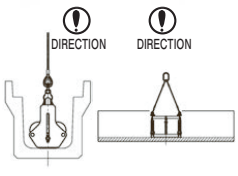
Specifications



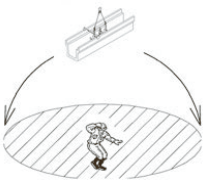
■Precautions for use



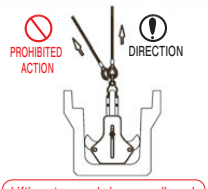
Install the crack prevention holder near the center of the clamp, but so that it doesn't touch the clamp. It prevents an object being lifted from cracking due to a shock loads.



Attach the clamp in the center of the object and lift it.

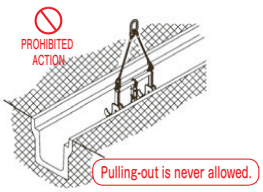


Never allow anyone to enter the falling or swinging range of the object being lifted while it is suspended, being lifted or transported, or while it is being installed.



Lifting at an angle is never allowed.

Be sure to lift the clamp vertically. Lifting in any other direction creates a danger that the object may be damaged or the clamp may be deformed.



This clamp is designed only for lifting. It cannot be used for pulling installed U-shaped channels out from the ground.

■ Table of Dimensions (Model : EUIF)

Code No.	Model	Maximum working load (kg)	Usable inner width (mm)	Dimensions (mm)				Product weight (kg)
				A	B	C	D	
3976F030	EUIF–600	600	220~300	218	356~515	456	400	16.6

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EUIV

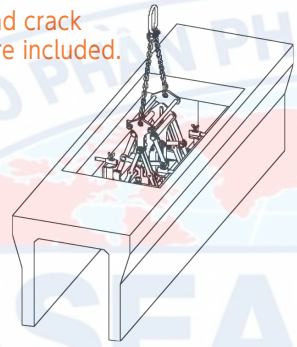
Uses four cams to clamp roadside ditches securely from their inside!

With hanger pins for variable (free gradient) roadside ditches
With an automatic attachment/detachment device

Clamps for auxiliary concrete products For variable roadside ditches Internal lifting clamps



A lifting chain set and crack prevention holder are included.



■Application

For lifting roadside ditches from their inside, and for lifting, transporting and installing drop-lid type roadside ditches and free gradient roadside ditches

■Materials that can be handled

Various roadside ditches, variable (free gradient) roadside ditches and U-shaped channels

■Features

●Automatic attachment/detachment type
An automatic attachment/detachment mechanism offers safe, efficient work

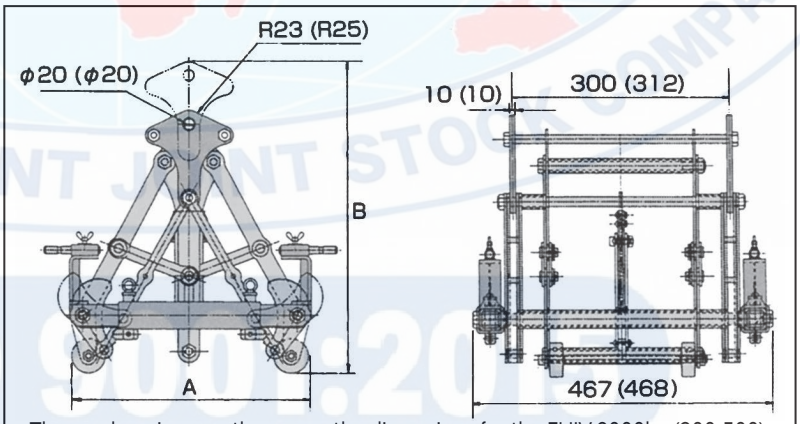
●Hanger pins for variable roadside ditches
By pushing out the hanger pins to touch the sides, it is possible to lift variable roadside ditches in a balanced manner without cracking them

●Equipped with a lifting width adjustment mechanism
By changing the opening adjustment pin positions, the lifting width can be adjusted in three steps for 1,000 kg models and five steps for 2,000 kg models

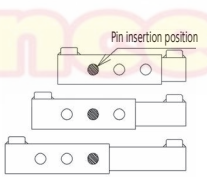
●It is also possible to lift U-shaped channels
By pushing in the hanger pins, normal roadside ditches and U-shaped channels can be also lifted and transported

●If there is a crane on a job site and a lifting chain set and a crack prevention holder are included with this product. It can be used immediately

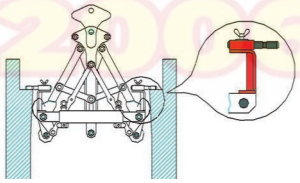
Specifications



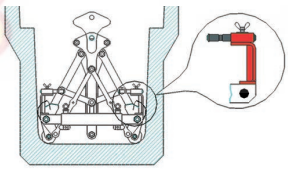
The numbers in parentheses are the dimensions for the EUIV-2000kg (300-500).



Lifting width adjustment mechanism



Variable (free gradient) roadside ditch



U-shaped channel

■ Table of Dimensions (Model : EUIV)

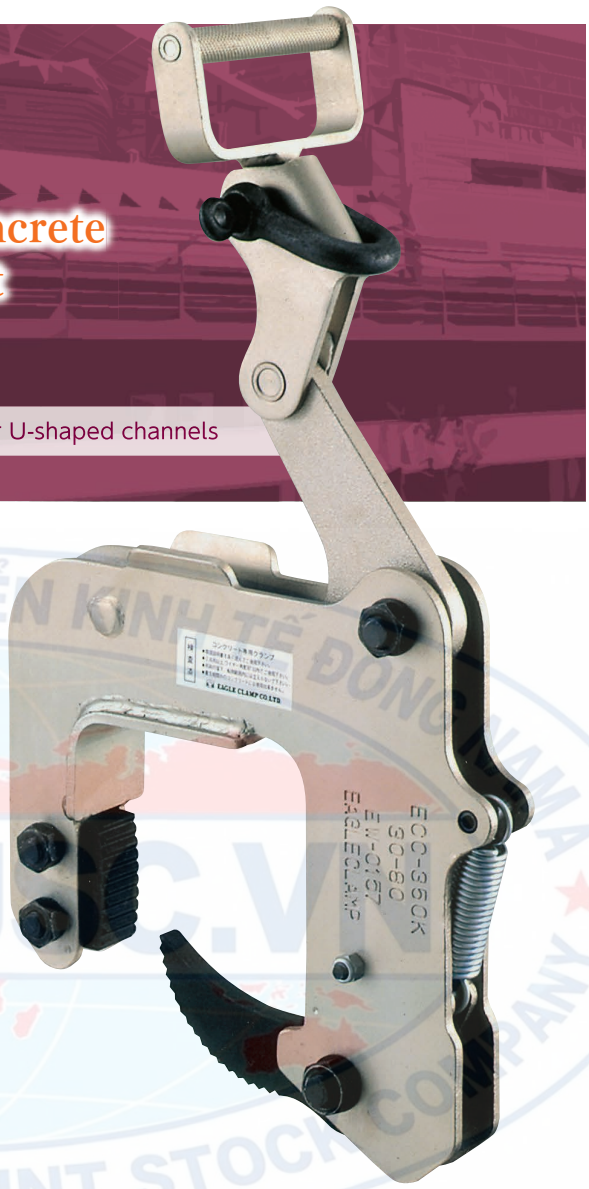
Code No.	Model	Maximum working load (kg)	Lifting width adjustment positions	Usable inner width (mm)	Dimensions (mm)		Product weight (kg)
					A	B	
3971V035	EUIV-1000 (250-350)	1000	For 250	215 ~ 250	214	415 ~ 516	21.0
			For 300	260 ~ 300	258	411 ~ 512	
			For 350	305 ~ 350	302	406 ~ 508	
3972V050	EUIV-2000 (300-500)	2000	For 300	260 ~ 300	260	490 ~ 615	30.3
			For 350	310 ~ 350	305	490 ~ 615	
			For 400	360 ~ 400	350	480 ~ 605	
			For 450	420 ~ 450	400	475 ~ 600	
			For 500	450 ~ 500	445	465 ~ 590	

The EUIV-2000 (300-600) is also available. (Made-to-order item)
The EUIE model is a made-to-order product. Please inquire about the price and delivery date if you would like one.
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ECC

For pulling up and transporting concrete products in a confined environment

Clamps for auxiliary concrete products Clamps for U-shaped channels



■Application

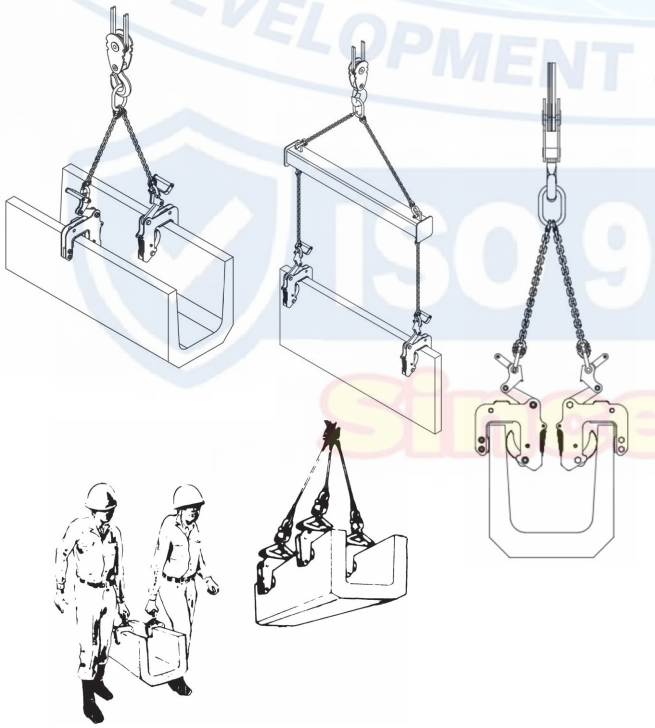
Lifting, transporting, pulling-out and installing auxiliary concrete products; suitable for both manual and machine operations

■Materials that can be handled

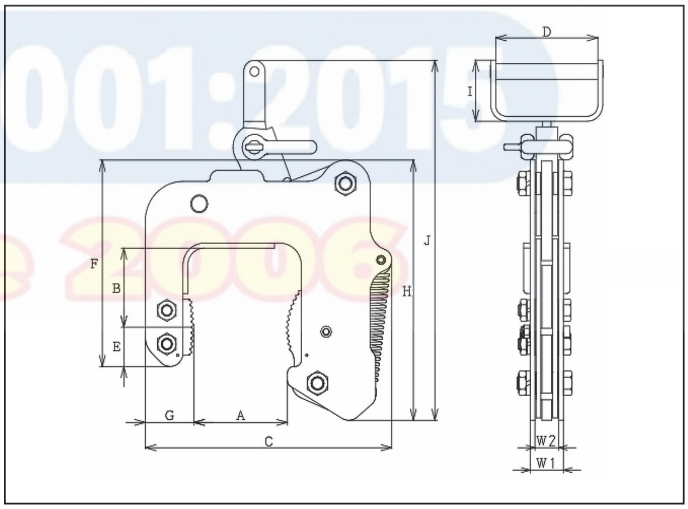
Various roadside gutters, channels, roadway/sidewalk divider blocks, L-shaped blocks, fabricated channels, decks, foundation stones, wells, L-shaped channels, etc..

■Features

- ●Powerful automatic clamping mechanism that uses the weight of the load to hold it securely
  The grip is proportional to the weight of the load
- ●Wide cam stroke enables lifting a broad range of product sizes
- ●Induction-hardened, special steel alloy cam
- ●Main body is made of high-tensile steel with a welded construction method that is resistant to cracks
- ●Suitable for pull-up work
- ●Spring type locking device is included
- ●Chrome plated finish



Specifications



■ Table of Dimensions (Model : ECC)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	W1	W2	
39100075	ECC-350 (25-75)	35~350	25~75	82	70.5	229	95	35	165	45	232	54.5	320~430	31	22	4.4
39100080	ECC-350 (30-80)	35~350	30~80	87	70.5	229	95	35	165	45	232	54.5	320~430	31	22	4.4
39100100	ECC-350 (50-100)	35~350	50~100	108	80.5	246	95	45	205	45	237	54.5	316~450	31	22	4.7
39100150	ECC-350(100-150)	35~350	100~150	159	90.5	297	95	37	208	45	250	54.5	330~455	31	22	5.2
39100200	ECC-350(150-200)	35~350	150~200	209	100.5	360	95	37	233	45	278	54.5	350~530	31	22	6.2

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ECBN　Model ECB

Ultra-compact, ultra-light clamp with one-touch clamp and release mechanism

Clamps for auxiliary concrete products Clamps for U-shaped channels

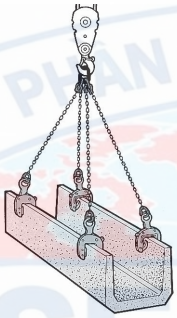


■Application

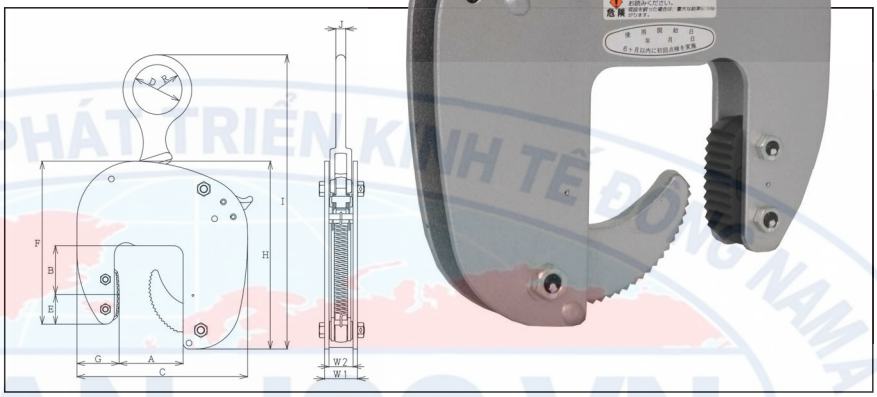
Lifting, transporting, pulling-out and installing auxiliary concrete products

■Materials that can be handled

Various roadside gutters, channels, fabricated channels, decks, foundation stones, wells, L-shaped channels, etc..



Specifications



■ Table of Dimensions (Model : ECBN/ECB)

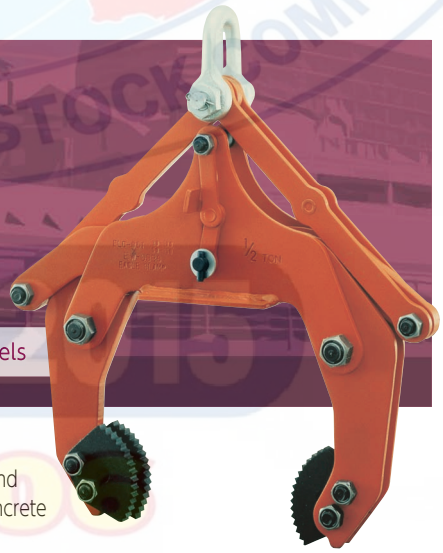
Code No.	Model	W.L.L Min～Max (kg)	Effective thickness (mm)	Dimensions (mm)												Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	W1	W2	R	
3930006N	ECBN-250(30-60)	25～250	30～60	65	49	173.5	ϕ50	30	164	43	189	242～315	10	32.5	24.5	35	2.7
39300080	ECB-250 (50-80)	25～250	50～80	85	64	200	ϕ50	30	179	49	203	260～320	10	30.4	24	35	2.3

○The specifications, dimensions and paint colors are subject to change without prior notice.

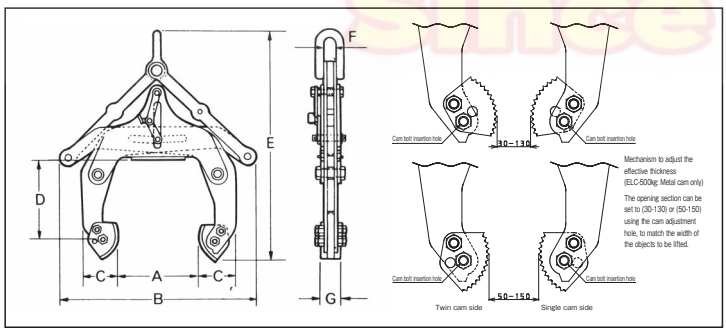
Model ELC

The opening is wide and deep
The opening size is changeable (ELC-500)

Clamps for auxiliary concrete products Clamps for large U-shaped channels



Specifications

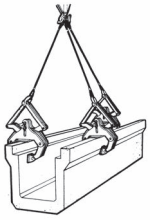


■Application

Lifting, transporting and installing auxiliary concrete products

■Materials that can be handled

Various roadside gutters, channels, fabricated channels, foundation stones, retaining walls, gullies, environmental-type retaining walls, sound barriers, autoclaved lightweight concrete, etc.



■Precautions for use

●Not suitable for pulling out operations.
(Please use Model EC or Model ECAR to pull up installed objects.)

■ Table of Dimensions (Model : ELC)

Code No.	Model	W.L.L. Min～Max (kg)	Effective thickness A (mm)	Dimensions (mm)						Product weight (kg)
				B	C	D	E	F	G	
39400131	ELC-500	100～500	30～130・50～150	400	80	170	470～600	26	36(80)	10.8
39410160	ELC-1000	200～1000	60～160	420	90	180	510～645	34	80	15.7

※The metal cam allows the opening width to be changed.
※When placing an order, please select the opening size to accommodate urethane pads if you will be using them. The number in parentheses is the thickness of the urethane pads when replacing them.
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ECHS

Light weight and great workability; clamp suited for both manual and machine operations

Clamp for auxiliary concrete products Clamp for U-shaped channels



■Application

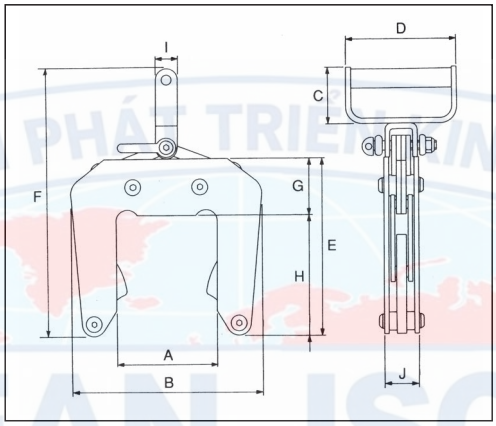
Lifting, transporting and installing auxiliary concrete products; suitable for both manual and machine operations

■Materials that can be handled

Various roadside gutters, channels, fabricated channels, stakes, foundation stones, wells, etc.



Specifications



■ Table of Dimensions (Model : ECHS)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)										Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	
39910605	ECHS-150	15~150	30~60	90	172	49.5	99	156	235~330	50	106	20	32	3.1

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ECH

Easy to attach, with double cams and a link mechanism!

Clamps for auxiliary concrete products Clamps for U-shaped channels

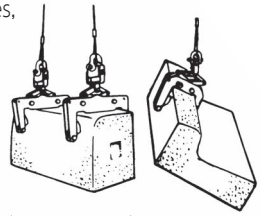


■Application

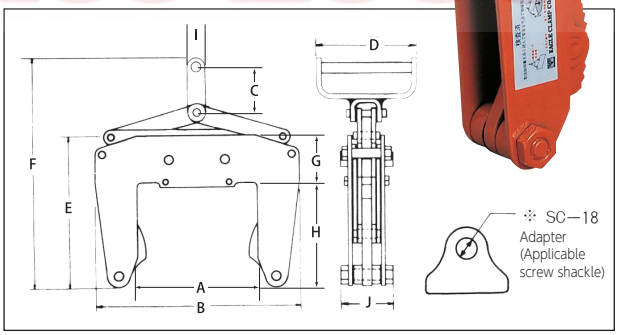
Lifting, transporting and installing auxiliary concrete products; suitable for both manual and machine operations (adapter included)

■Materials that can be handled

Various roadside gutters, channels, roadway/sidewalk divider blocks, L-shaped blocks, fabricated channels, stakes, foundation stones, wells, etc.



Specifications



■ Table of Dimensions (Model : ECH)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)										Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	
39911500	ECH-100(100-150)	20~100	100~150	170	260	55	101	161	245~345	50	111	20	54	3.9
39911900	ECH-100(150-190)	20~100	150~190	210	300	55	101	172	252~350	55	117	20	54	4.0
39921000	ECH-200 (50-100)	40~200	50~100	130	220	55	101	162	258~364	55	107	25	54	3.8

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EC

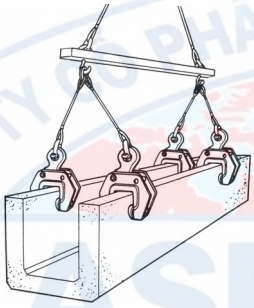
Can be adjusted to the thickness of the load by moving the pin

Clamp for auxiliary concrete products Non-marring clamp for PC boards

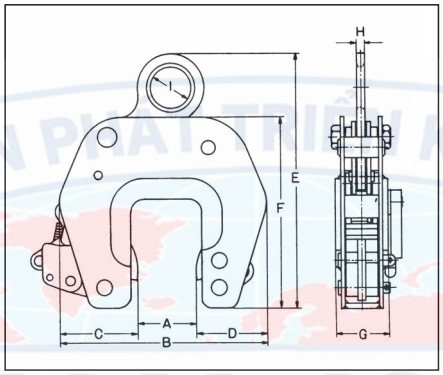


■Application
Pull-up, lifting and transport

■Materials that can be handled
Concrete panels, light aerated concrete, retaining walls, sound barriers, U-shaped gutters, etc.



Specifications



■ Table of Dimensions (Model : EC)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)								Product weight (kg)
				B	C	D	E	F	G	H	I	
39000800	EC-500	100~500	30~50、50~80	303	111.5	118	370~435	280	78	12	ϕ60	13.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ECAR

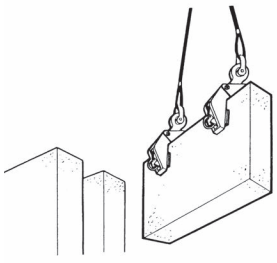
Non-marring clamp with an opening adjustment width handle

Clamp for auxiliary concrete products Non-marring clamp for PC boards

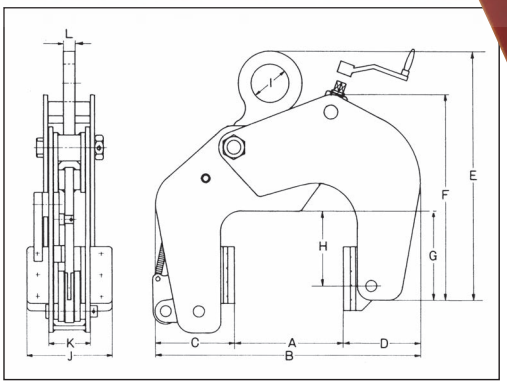


■Application
Pull-up, lifting and transport

■Materials that can be handled
Concrete panels, light aerated concrete, retaining walls, sound barriers, U-shaped gutters, etc.



Specifications



■ Table of Dimensions (Model : ECAR)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)											Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	
39011500	ECAR-1000	200~1000	50~150	325~375	112	110	350~480	290	125	105	ϕ54	120	58	16	16.5

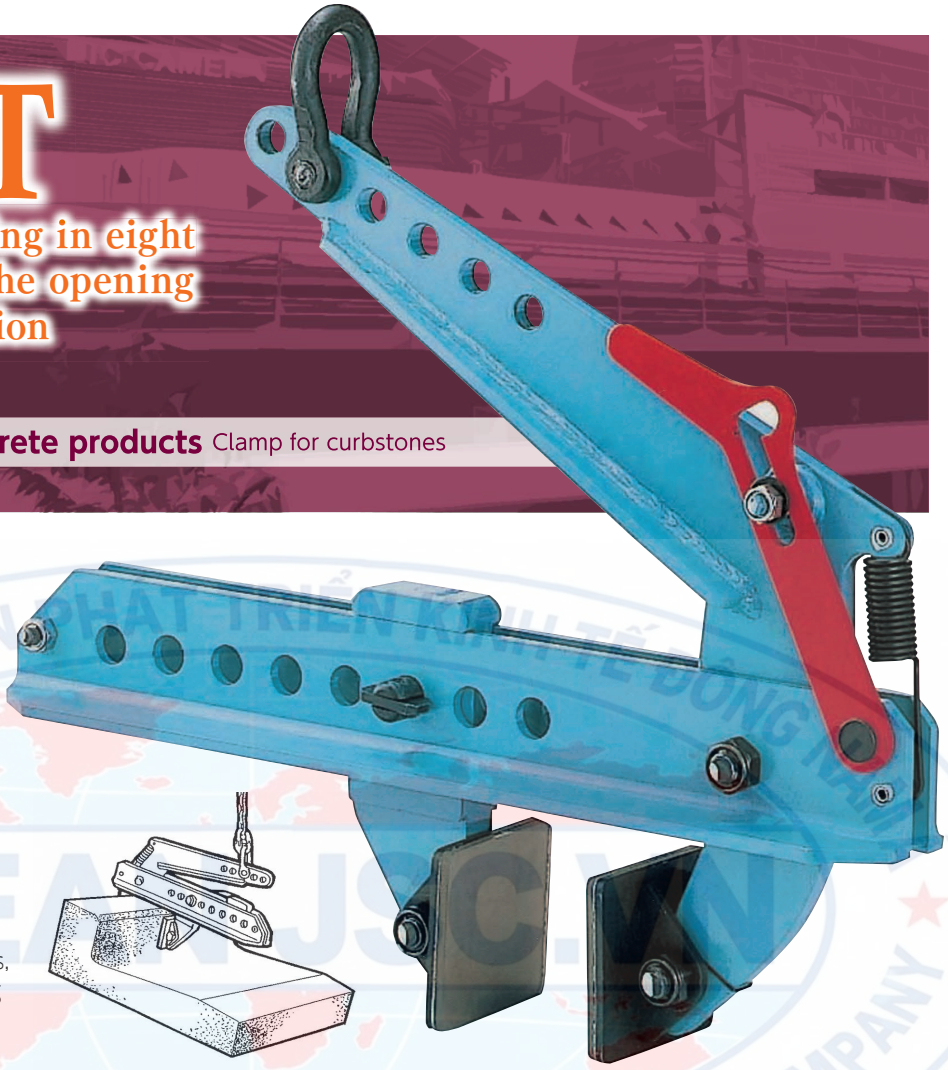
○The specifications, dimensions and paint colors are subject to change without prior notice.

CÔNG TY CỔ PHẦN PHÁT TRIỂN KINH DOANH NAMÁ
SEAN JSC.VN
JOINT STOCK COMPANY
Since 2006

Model EST

Can adjust the opening in eight stages by changing the opening adjustment pin position

Clamp for auxiliary concrete products Clamp for curbstones



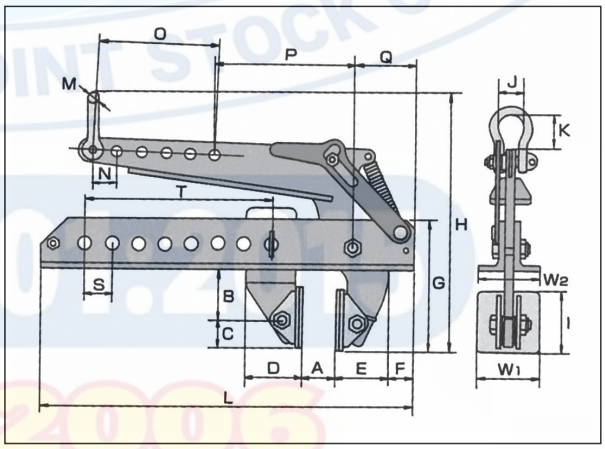
■Application
Lifting, transporting and landing auxiliary concrete products, etc.

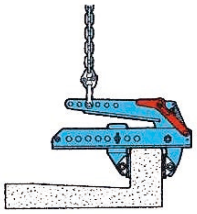
■Materials that can be handled
L-shaped blocks, foundation stones, various molded blocks for slope protection, wedge blocks, curbstones, U-shaped reinforced concrete, varying thickness U-shaped channels, etc.

■Features
- ●Adjustable opening (eight stages) and lifting points (six points)
- ●With urethane rubber pressure pads that allow lifting and transporting concrete products safely
- ●With an opening device that allows easy attachment/detachment

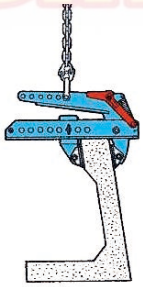
■Precautions for use
Since the opening is wide and shallow, please note the following requirements and precautions.
- ●A round or rough object to be lifted that only touches part of the pads. The load must touch all of each pad' s surface.
- ●Use clamps so that the upper angle in two-point lifting is not more than 20° and the slope of the gripping section is not more than 7° on either side.
- ●Diagonal lifting in longitudinal direction is dangerous because the clamp will come off easily.
- ●Do not use clamps to lift objects whose center of gravity changes, even when the lifting position is moved.

Specifications

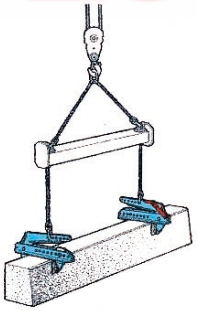




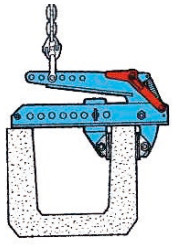
▲L-blocks (gutters)



▲Foundation stones



▲Curbstones



▲U-shaped reinforced concrete channels

▲Varying thickness U-shaped channels

■Table of Dimensions (Model : EST)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)																			Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	S	T	W1	W2	
00901412	EST-250	25~250	25~250	58.5	32	65.5	60	29.5	151	295~390	70	30	40	427	φ12	28	140	159	72	30	210	72	72	7.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EFG

For post base blocks, clamp can be manually set or it can be set by machine

Clamp for auxiliary concrete products Clamp for post base blocks

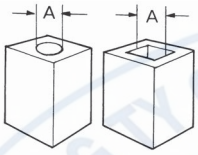


■Application

Lifting, transporting and landing various post base blocks (independent foundation)

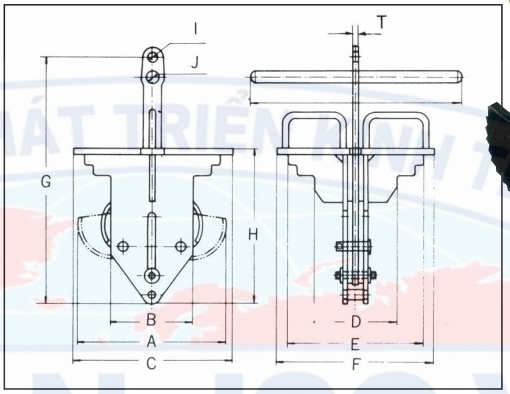
■Materials that can be handled

A: 100 – 150 mm





Specifications



■Table of Dimensions (Model : EFG)

Code No.	Model	W.L.L. Min~Max (kg)	Adapted measurement A (mm)	Dimensions (mm)										Product weight (kg)
				B	C	D	E	F	G	H	I	J	T	
39500160	EFG-100	10~100	100~160	94	180	95	155	180	275~345	173.5	ϕ13	ϕ14.2	6	2.6

○The specifications, dimensions and paint colors are subject to change without prior notice.

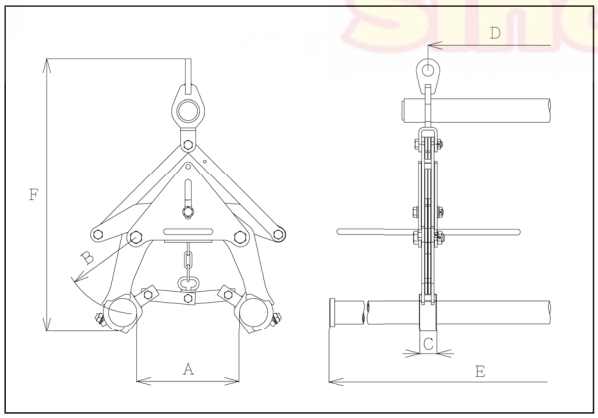
Model EKB

Robust design, welded construction, lightweight and inexpensive, excellent gripping force, specially designed for wedge blocks

Clamp for auxiliary concrete products Clamp for wedge blocks



Specifications

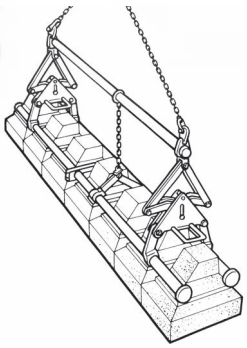


■Application

Lifting, transporting and landing

■Materials that can be handled

Lifting seven wedge blocks at a time





●This lifting equipment can only be used for lifting a wedge block that has the shape shown in the drawing.

■Table of Dimensions (Model : EKB)

Code No.	Model	W.L.L. Min~Max (kg)	Dimensions (mm)						Product weight (kg)
			A	B	C	D	E	F	
3900010S	EKB-1000	100~1000	110~220	160	36	1500	2120	570~730	60

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SATO

The clamp bolt on the outside of the objects to be lifted can be tightened securely on the work site!

Lifting jig for construction work Hole lifting jig





Can be tightened from the outside of objects to be lifted

■Application

Lifting (using holes in flanges of the object), pulling out and transporting

■Materials that can be handled

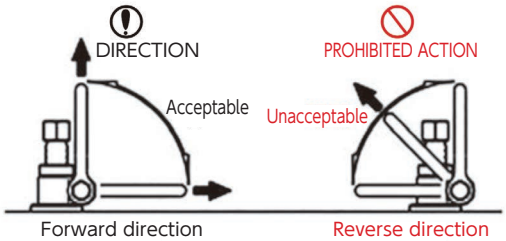
Steel beam materials, earth retaining materials, steel frames and steel structures

■Features

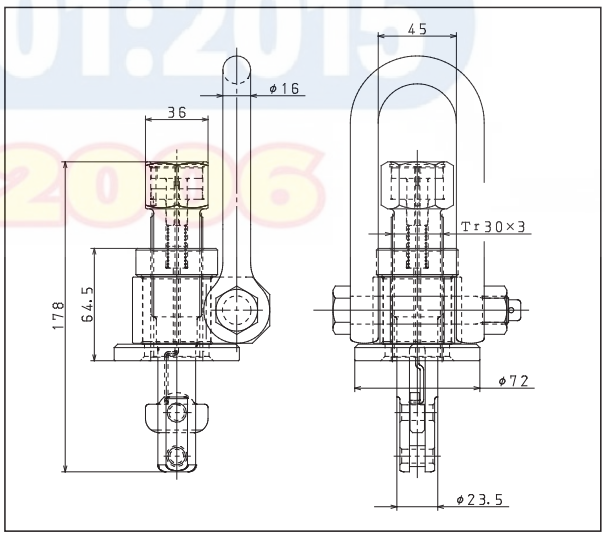
- Special jig for lifting an object using a hole in it, can use bolt holes on the flanges or webs of steel beam materials, and on earth retaining materials, etc.
- Tightening the bolt on the main body of the jig allows a tight and secure installation
- The clamp bolt can be tightened to lift objects safely even when you cannot reach the underside of bolt holes
- The direction and angle of the shackles will follow the lifting direction after being tightened (Reverse lifting not allowed)

■Precautions for use

- Only licensed personnel should use this jig and observe the safety regulations.
- While objects are being lifted and transported, everyone must stay clear of the falling and swinging range of the objects being lifted.
- Do not use lifting jigs in a way that would cause the shackle to pass over the head of the bolt. (See the illustration below)
- Choose the size of the fittings (wires, metal fittings or shackles) to be attached so that they will not allow the lifting jig to move.
- Tighten the bolt so that any gap between the object to be lifted and the stopper plate or the thickness adjustment nut disappears.
- When slings are used, the diagonal angle should not be more than 60°.



Specifications



Code No. 90650001
Maximum working load:750kg
Effective working hole diameter:θ24-θ26mm
Effective working thickness:5-35mm
Product weight:2.5kg

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model VLGRII

Very useful on construction sites where ordinary clamps cannot be used!

Lifting jigs for construction work Hole lifting jigs



■Application

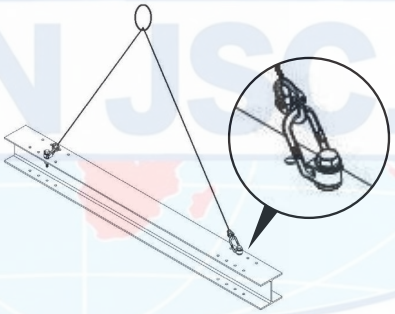
Pulling out, turning over, lifting and lifting by using a flange section

■Materials that can be handled

Steel beam materials, earth retaining materials, steel frames and steel structures

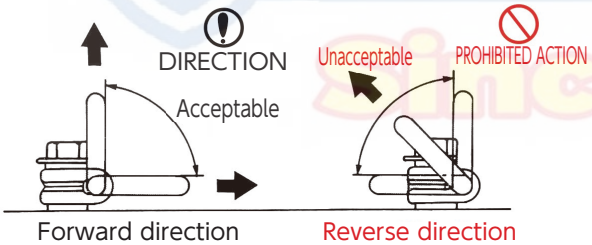
■Features

- Special jig for lifting an object using a hole in it, can use bolt holes on the flanges or webs of steel beam materials, and on earth retaining materials, etc.
- Tightening the nut with the fall prevention wire on it allows a tight and secure installation
- The direction and angle of the shackles will follow the lifting direction after being tightened (Reverse lifting not allowed)

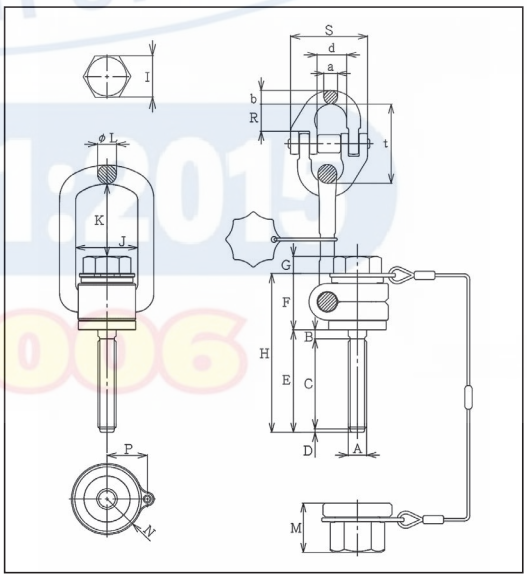


■Precautions for use

- Only licensed personnel should use this jig and observe the safety regulations.
- While objects are being lifted and transported, everyone must stay clear of the falling and swinging range of the objects being lifted.
- Do not use lifting jigs in a way that would cause the shackle to pass over the head of the nut.
- Choose the size of the fittings (wires, metal fittings or shackles) to be attached so that they will not allow the lifting jig to move.
- Tighten the nut so that any gap between the object and the pad disappears.
- When slings are used, the diagonal angle should not be more than 60°.



Specifications



■Table of Dimensions (Model : VLGR II)

Code No.	Model	Maximum working load (ton)	Effective hole dia. (ϕ)	Effective thickness (mm)	Bolt size (mm)									LBG size (mm)			Nut size (mm)			Wire with a swivel		Coupling size (mm)						Product weight (kg)
					A	B	C	D	E	F	G	H	I	J	K	ϕL	M	N	P	Dia.	Length	t	a	b	d	R	S	
9061016N	VLGRII-1	1.0	16~19	6~40	16	7.8	78.5	3	89.3	49.2	15	138.5	36	54	63	16.5	43	31	35	2.5	400	63	12	13	25	24	64	1.90
9061518N	VLGRII-1.5	1.5	18~21	9~50	18	10.8	85.5	3	99.3	49.2	15	148.5	36	54	63	16.5	43	31	35	2.5	400	63	12	13	25	24	64	2.33
9062020N	VLGRII-2	2.0	20~23	9~50	20	10.8	85.5	3	99.3	49.2	15	148.5	36	54	63	16.5	43	31	35	2.5	400	63	12	13	25	24	64	2.37
9062522N	VLGRII-2.5	2.5	22~25	9~50	22	10.8	85.5	3	99.3	49.2	15	148.5	36	54	63	16.5	43	31	35	2.5	400	84	14	17	30	32	83	2.60
9063024N	VLGRII-3	3.0	24~27	10~70	24	11.5	105	3	119.5	69.5	19	189	46	65	62	22.5	43	31	35	2.5	400	84	14	17	30	32	83	2.62
※9065030N	VLGRII-5	5.0	30~35	10~80	30	11.5	124	3	138.5	88.5	23	227	55	65	67	22.5	52	38	45	2.5	400	104	18	18	33.5	33	103	8.66

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EQF

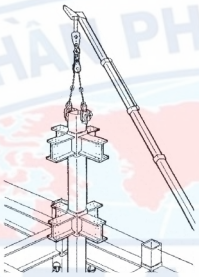
Eliminates the worry of using uneven lifting points!

Clamps for construction work Has a chain balancer



■Application

Erecting, transporting, assembling, loading, pulling out, lifting, etc.



■Materials that can be handled

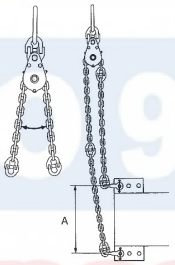
Steel structures, steel frames, steel beams, steel sheet pilings, etc.

■Features

- ●A design that allows objects like steel structures to be lifted quickly in a balanced and safe manner, even when the objects are poorly balanced
- ●Best suited for pulling-out or turning-over operations where the height of the lifting points may change
- ●Because a chain is used instead of the wire cable used in traditional sling work, the kinks and rebound often seen in a wire cable are not seen when using a chain
- ●We use the highest quality chains / They are made from selected, highest-quality special alloy steel and have been produced in an ISO9001 certified factory as chains exclusively for use in slings that must meet EN Standards (818-2, 4). The EN standards are stricter than JIS Standards
- ●We use German and French-made master links and couplings produced in ISO9001 certified factories

■Precautions for use

- ●The chain lifting angle should never be more than 60°. However, when connecting a clamp to the lower end of each chain, the lifting angle of the chain must be within the lifting angle limit for each clamp model.
- ●When performing sling work, specify the chain length taking the difference in height (A) into consideration.

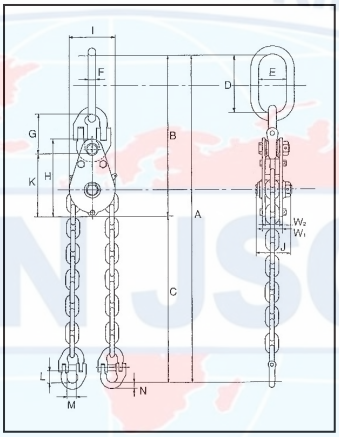


●Attachments

Model	Master link	Coupling (upper)	Chain sling (★1)	Coupling (lower)
EQF-2	MR-8 : 1 pc.	CP-10 : 1 pc.	ENORM-8 : 1 pc. (2M)	CP-8 : 2 pcs.
EQF-4	MR-10 : 1 pc.	CP-16 : 1 pc.	ENORM-10 : 1 pc. (3M)	CP-10 : 2 pcs.
EQF-6	MR-13 : 1 pc.	CP-20 : 1 pc.	ENORM-13 : 1 pc. (3M)	CP-13 : 2 pcs.
EQF-10	MR-16 : 1 pc.	CP-22 : 1 pc.	ENORM-16 : 1 pc. (3M)	CP-16 : 2 pcs.

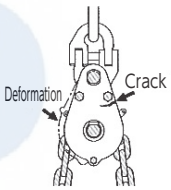
★1: The size in parentheses indicates the standard chain length.

Specifications

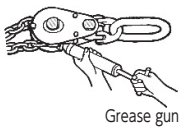


●Make sure that everyone stays clear of the falling and swinging range.
●Before use each time, check the main body (main body plates and the hole of each bolt on the clamp) and the welded parts for flaws, deformation, cracks, etc.

If the difference in height is A, the chain length should be specified as follows.
EQF 2t ···· A +0.3 m
EQF 4t ···· A +0.5 m
EQF 6t ···· A +0.5 m
EQF 10t ··· A +0.5 m
Do not allow the chain length to be too long.
If there is anything unclear about the way you want to use this item, please contact us.



●Check the clamp parts that touch sprockets, chain guides, etc. Look for deformation and cracks.
●While slinging a chain, make sure the sprocket rotates smoothly and that there is no backlash from side to side or riding up and down (in the axial direction).
●During regular maintenance, grease the rotary and sliding sections of the sprockets and chain guides with a sufficient quantity of grease. (Once a week)



■Table of Dimensions (Model : EQF)

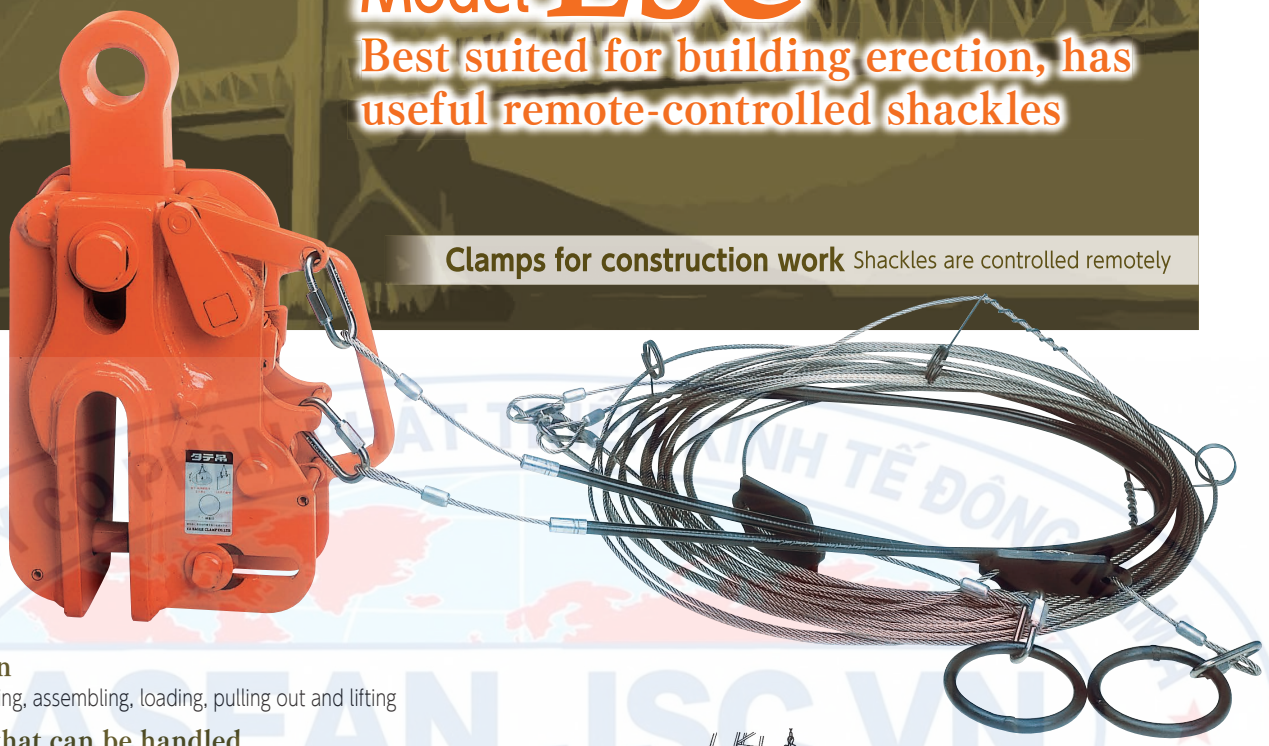
Code No.	Model	Maximum working load (ton)	Diameter of chain	Whole			Master link·coupling (upper)				Chain balancer						Coupling (lower)			Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	W1	W2	L	M	N	
※00511020	EQF-2	2(1t×2)	ϕ8	1264	325	928	135	75	ϕ18	69	156	100	73	121	46	30	23	20	11	7.3★2
※00511041	EQF-4	4(2t×2)	ϕ10	1838	418	1403	160	90	ϕ22	103	195	114	85	155	52.5	36.5	26	26	12	16.0★3
※00510000	EQF-6	6(3t×2)	ϕ13	1960	497	1438	180	100	ϕ26	122	242	144	109	195	63	47	32	28	16	26.0★3
※00510003	EQF-10	10(5t×2)	ϕ16	1993	579	1384	200	110	ϕ32	138	304	180	136	241	78	58	40	33	19	45.5★3

※Made-to-order product
★2: When a 2 m chain is attached, the difference in height is less than 1.7 m.
★3: When a 3 m chain is attached, the difference in height is less than 2.5 m.
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model LSC

Best suited for building erection, has useful remote-controlled shackles

Clamps for construction work Shackles are controlled remotely



■Application

Erecting, transporting, assembling, loading, pulling out and lifting

■Materials that can be handled

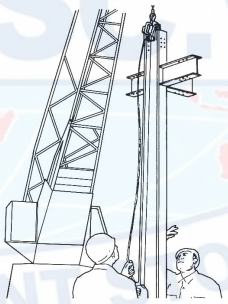
Steel frames, steel beams, steel structures, steel sheet pilings, etc.

■Working temperature range

-30 - 300ºC

■Features

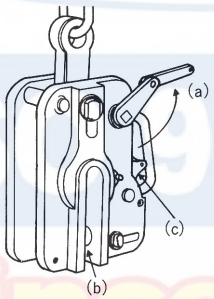
- Secure double-locking design using stoppers and link locks
- The two locks are opened remotely when the operator pulls on the two wires
- Lever interlock mechanism that releases the lifting pin lock
- Designed to lift objects by using lifting holes in the members
- High-tensile steel main body has a crack-resistant, welded construction



■How to use clamps

Attaching the clamp:

Insert the clamp until the back of the clamp throat opening touches the steel frame member. ⇨ Operate the pin operation lever (a) and insert the pin into the hole. ⇨ Then turn the lever (a) to set it to the locked position. ⇨ Check to see if the locking device (c) is pulled in.

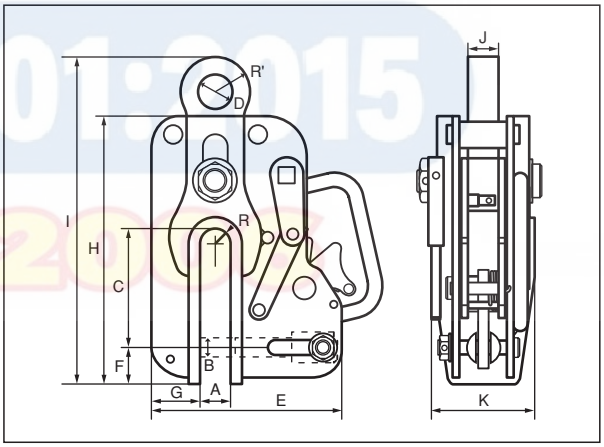


Removing the clamp:

Check that the steel frame is resting in a secure position. Lower the crane until the lifting wires are completely loose. ⇨ Pull the pin operation wire (2) swiftly while simultaneously pulling the wire (1) to release the locking device. ⇨ After making sure that the lever (a) is in the open position and the pin is completely pulled back, raise the crane to remove the clamp.



Specifications



■Table of Dimensions (Model : LSC)

Code No.	Model	Maximum working load (ton)	Allowable working thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	R	R'	
00902203	LSC-3(ϕ16)	3	6～25	26.5	ϕ16	100	ϕ30	164.5	30	42	225	290～320	25	90	13.25	30	10.4
※00902205	LSC-5(ϕ22)	5	6～28	30	ϕ22	100	ϕ45	182	30	47	225	300～330	32	110	15	36	14.0

* The standard length of control wire that is included is 10 m.
※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model PE

Quiet, outstanding work efficiency, special clamps for pulling out steel sheet pilings

Clamps for engineering work Special clamps for pulling out steel sheet pilings



Model PER

Clamps for engineering work Special clamps for pulling out steel sheet pilings



■Application

Pulling out steel sheet pilings and pulling out shaped steel pilings

■Materials that can be handled

Steel sheet pilings (H, U, Z, linear type), shaped steel pilings, lightweight steel sheet pilings, steel frames, transverse material for shipbuilding, etc.



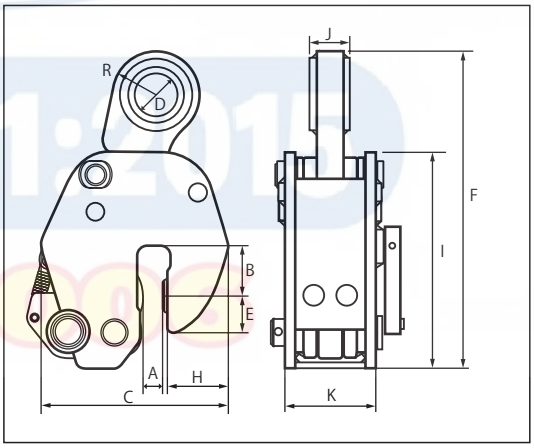
■Features

- ●Lever locking device useful for attachment/detachment (Clamping/opening mechanism)
- ●The opening section has a slim shape and size, so it is possible to push it onto various steel sheet pilings
- ●Mechanism clamps an object firmly and automatically using the weight of the load to be lifted The gripping force is proportional to the load to be lifted
- ●High-tensile steel main body has a crack-resistant, welded construction
- ●Induction-hardened, clamping cams and swivel jaws are made from special alloy steel
- ●Can be used only when a crane and supporting posts (with a pulley) are available
- ●Economical, lightweight type with good working efficiency
  One seventh the price of the traditional large machinery used / Doesn' t require making holes in steel sheet pilings / Holds the record for pulling out about 60 steel sheet pilings (10 m deep) per hour
- ●Also can be used to prevent neighboring pilings from falling
- ●Can be used anywhere because it creates no vibration or noise

■Precautions for use

- ●This clamp cannot be used to lift and transport steel sheet pilings, steel plates, steel frames, etc.
- ●When pulling out and transporting steel sheet pilings, be sure to use this clamp together with screw clamps (e.g. our SBB model).
- ●While working and when work is finished, wipe off all of the soil or mud stuck to the clamps.
- ●Do not use clamps whose main body or parts are deformed, or show wear or damage.

Specifications



■Table of Dimensions (Model : PE/PER)

Code No.	Model	Maximum working load (kg)	Effective thickness (mm)	Dimensions (mm)											Product weight (kg)
				A	B	C	D	E	F	H	I	J	K	R	
37010160	PER- 1	1000	4~16	19	45	151	ϕ50	33	251~ 291	39	185	16	58	43	6.9
37020160	PER- 2	2000	4~16	21	45	162	ϕ50	32	300~ 330	50	218	22	56	48	10.3
37030200	PER- 3	3000	5~20	25	45	185	ϕ55	43	380~ 420	60	230	22	72	55	14.8
37050200	PER- 5	5000	5~20	25	50	200	ϕ60	41	368~ 410	52	250	25	84	60	19
※37100250	PE- 10	10000	5~25	28	75	285	ϕ65	55	452~ 512	90	325	56	164	65	56
※37200300	PE- 20	20000	5~30	34	75	310	ϕ80	60	500~ 540	100	350	64	266	75	80
※37300300	PE- 30	30000	5~30	38	75	378	ϕ95	85	605~ 645	140	415	100	275	90	150
※37500300	PE- 50	50000	5~30	30	110	432	ϕ115	110	820~ 853	162	558	104	316	110	250
※87800300	PE- 80	80000	5~30	40	105	535	ϕ130	90	943~ 996	200	600	112	258	125	380
※37100030	PE-100	100000	5~30	40	108	585	ϕ155	147	1075~1120	225	718	154	516	150	400

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model PCL

Special clamps for steel pipes and round bars

Clamps for engineering work Clamps for lifting pipes laterally

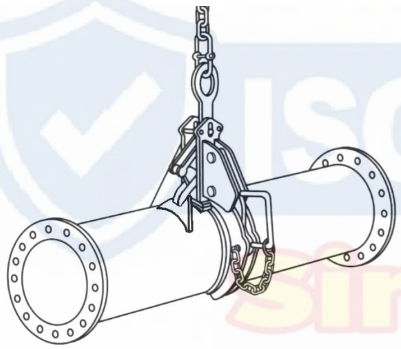


■Application
Lifting, transporting, landing and making plumb

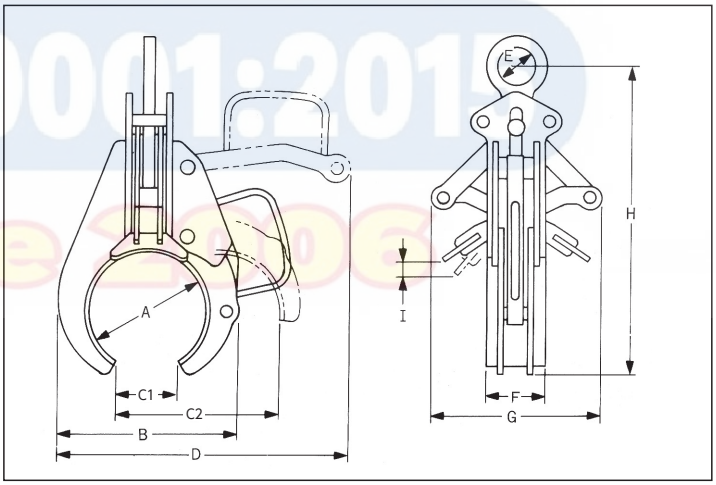
■Materials that can be handled
Cast-iron pipes, steel pipes, round bars, logs and Hume concrete pipes

■Features
- ●Lightweight and compact, even easy to handle in tight places
- ●Attachment and removal is extremely simple
- ●The clamp mechanism clamps the object firmly and automatically using the weight of the load to be lifted
  Objects are clamped firmly by the presser foot
  The gripping force is proportional to the load to be lifted
- ●Sideslip-resistant clamping mechanism
- ●The lock is set securely by inserting the lock pin
- ●High-tensile steel main body has a crack-resistant, welded construction
- ●Baked on finish (epoxy resin paint)

■Precautions for use
- ●Be sure to wipe all oil and sludge off of the pipes or objects to be lifted.
- ●Be careful not to overload the clamp when pulling old pipes out from the ground.
- ●Vertical lifting is not allowed.



Specifications



■Table of Dimensions (Model : PCL)

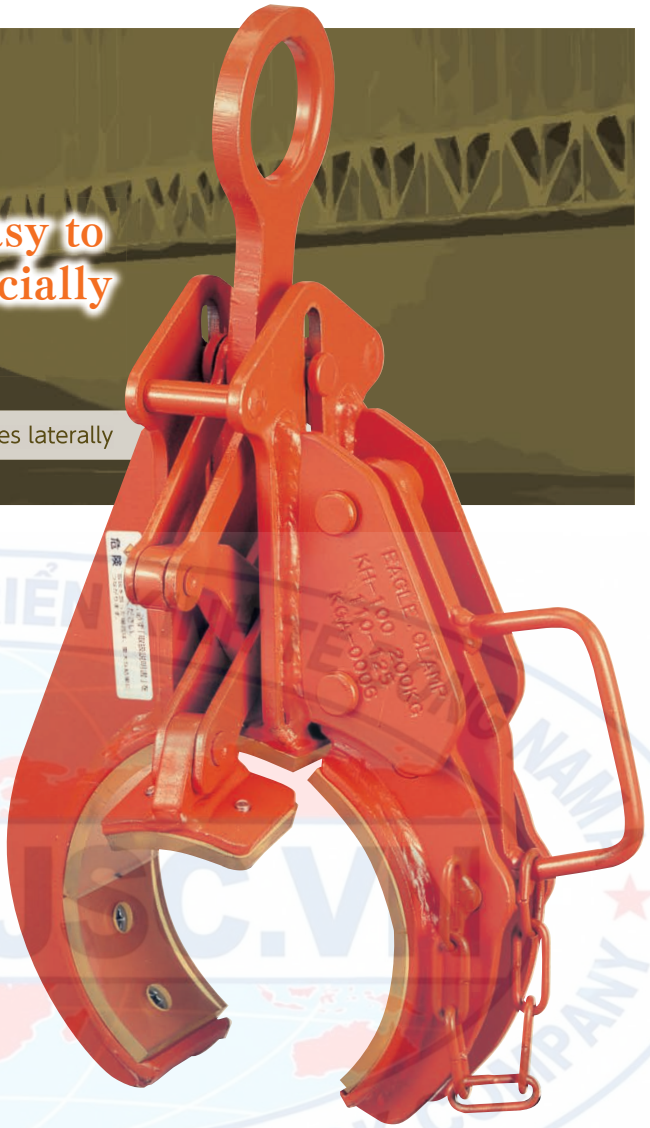
Code No.	Model	Maximum working load (kg)	Adapted measurement ϕ (mm)	Dimensions (mm)										Product weight (kg)
				A	B	C1	C2	D	E	F	G	H	I	
※46921251	PCL100	200	110~125	ϕ128	206	65	130	302	ϕ50	60	182	320~354	32	6.4
※4693174N	PCL150	300	164~174	ϕ177	254	92	180	343	ϕ50	60	180	362~412	40	8.0
※46932301	PCL200	350	210~230	ϕ230	314	120	235	398	ϕ50	60	180	440~508	46	10.9
※46963351	PCL300	600	315~335	ϕ340	440	200	340	564	ϕ50	70	280	605~690	45	21.1

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model KH

Can perform diagonal lifting, easy to handle, non-marring clamps specially designed for lifting pipes

Clamps for engineering work Clamps for lifting pipes laterally

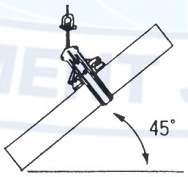


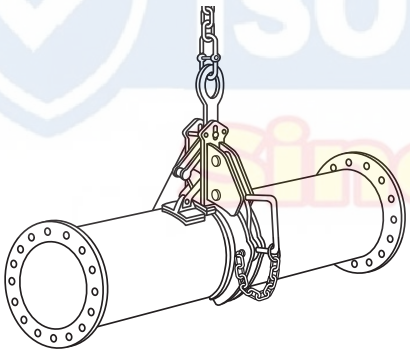
■Application
Lifting, transporting, landing and making plumb

■Materials that can be handled
Cast-iron pipes, steel pipes, vinyl-coated pipes, round bars, logs and Hume concrete pipes

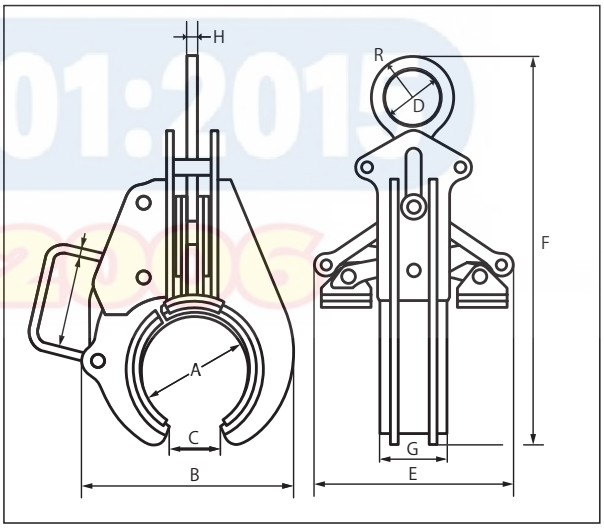
■Features
- ●Lightweight and compact, easy to handle even in tight places
- ●Attachment and removal is extremely simple
- ●The clamp mechanism clamps the object firmly and automatically using the weight of the load to be lifted
  The gripping force is proportional to the load to be lifted
- ●Diagonal lifting can be performed at a gradient angle of 45° without any sideslip
- ●Arms that use wear-resistant special material (urethane rubber pads) that does not scratch pipes
- ●Double-locking mechanism by inserting a lock pin
- ●High-tensile steel main body has a crack-resistant, welded construction
- ●Baked on finish (epoxy resin paint)

■Precautions for use
- ●Be sure to wipe all oil and sludge off of the pipes or objects to be lifted.
- ●Be careful not to overload the clamp when pulling old pipes out from the ground.
- ●Vertical lifting is not allowed.





Specifications



■Table of Dimensions (Model : KH)

Code No.	Model	Maximum working load (kg)	Adapted measurement ϕ (mm)	Dimensions (mm)									Product weight (kg)
				A	B	C	D	E	F	G	H	R	
46921250	KH100	200	114～124	ϕ127	200	66	ϕ50	183	350～410	60	12	37	6.5
46931750	KH150	300	164～174	ϕ177	258	92	ϕ50	180	404～464	60	12	37	8.3
46932300	KH200	350	215～227	ϕ230	314	118	ϕ50	278	475～525	60	12	37	11.8

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model F

Can easily lift cover plates and road deck panels just by inserting this hook

Special clamps Hooks for lifting plates and covers

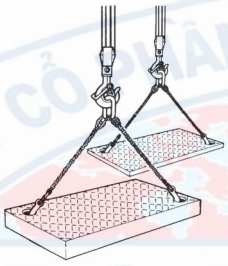


■Application

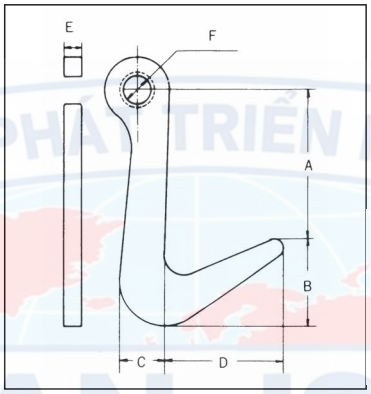
Lifting, transporting, loading, installing and removing

■Materials that can be handled

Plates and covers



Specifications



■Table of Dimensions (Model : F)

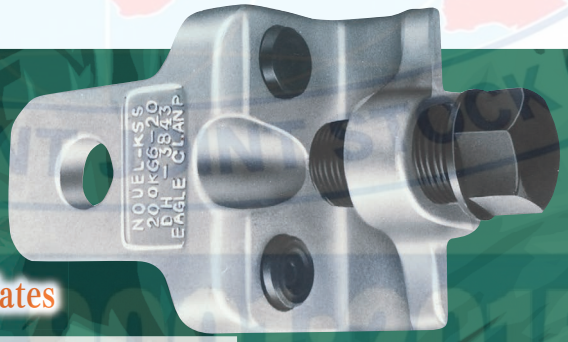
Code No.	Model	Maximum working load (kg/pc.)	Dimensions (mm)						Product weight (kg/pc.)
			A	B	C	D	E	F	
00300040	F-750	750	84	47	29.5	65	10	ϕ18	0.4
00300050	F-1000	1000	80	50	28	60	16	ϕ16	0.65

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model KSB

Very useful on construction sites, economical fixing jig for scaffold plates

Special clamp Scaffold mounting jig

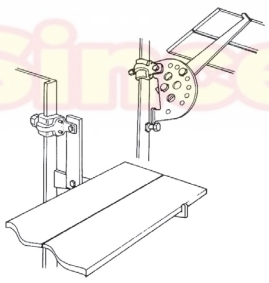


■Application

Installation of scaffolds for construction, for use inside ships and for steel structures

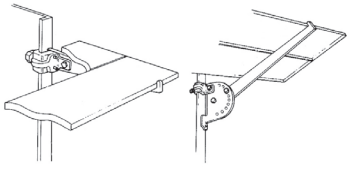
■Materials that can be handled

T-longitudinals, L-shaped bars, stiffeners, H-shaped steel and angle steel (face width: 50 mm or more)



■Precautions for use

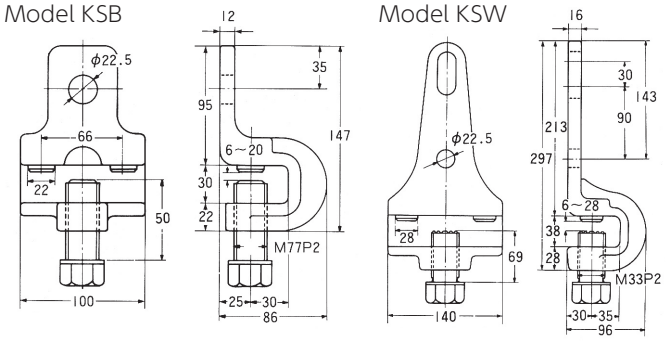
- Be sure to use scaffolding brackets every 600mm or closer.
- Do not use clamps whose main body or parts are deformed, or show wear, arc strikes or cracks.



Model KSW



Specifications



※Made-to-order product

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model DLV

Vertical lifting clamps that can grip any side of a drum

Special clamp Clamp for drums



Model DLVL

(With a locking device)

Special clamp Clamp for drums



■Application

Lifting, transporting and bulk lifting (DLVL)

■Materials that can be handled

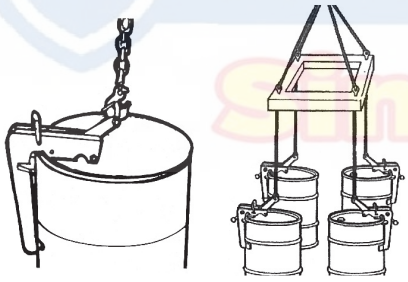
Steel tight head (closed head) drum type C
JIS Z 1601 (Class H and Class M)

■Features

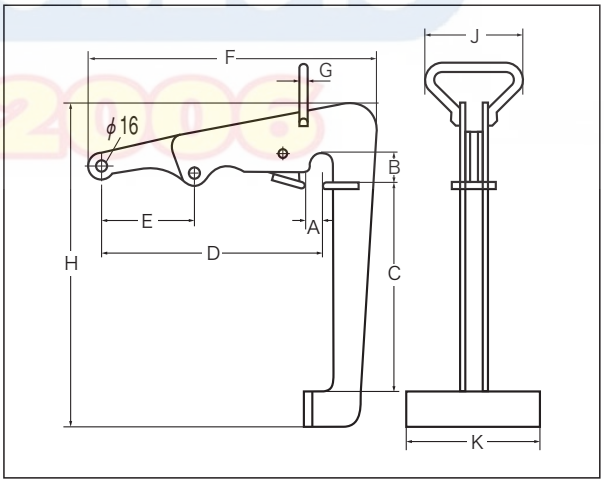
- ●Vertical lifting clamps grip the edge of one side of a drum
- ●When a drum has a diameter of 585 mm or more, it can be lifted straight up
- ●Strong gripping force that is proportional to the load to be lifted
- ●Attachment and removal is easy / Lightweight and simple design
- ●High-tensile steel main body has a crack-resistant, welded construction
- ●Baked on finish (epoxy resin paint)

■Precautions for use

- ●Do not use to lift drums with no lid (head).
- ●To lift drums without a lid, use the DLWO model.



Specifications



■Table of Dimensions (Model : DLV/DLVL)

Code No.	Model	W.L.L. Min~Max (kg)	Dimensions (mm)										Product weight (kg)
			A	B	C	D	E	F	G	H	J	K	
06000010	DLV-500	20~500	23	48	320	333	136	436	ϕ12	493	114	200	7.8
06000011	DLVL-500	20~500	23	48	320	333	136	436	ϕ12	493	114	200	7.9

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model DLWII (Lifts both sides of a drum)

Economical clamp, best suited for transporting drums safely

Special clamp Clamp for drums



Model DLWO

(Specially designed for open type drums)

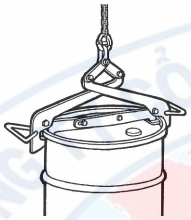


■Application

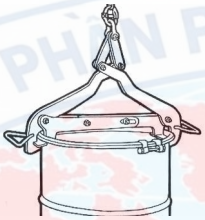
Lifting and transporting

■Materials that can be handled

Steel drums described on the right



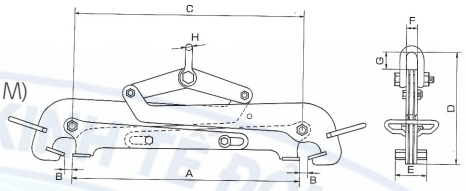
DLWII



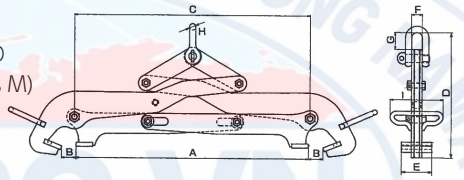
DLWO

Specifications

Model DLWII
Steel tight head drum type C
JIS Z 1601 (Class H and Class M)



Model DLWO
Steel open head drum type D
JIS Z 1600 (Class H and Class M)
Use with drums that
have a firmly attached cover.



■Table of Dimensions (Model : DLWII/DLWO)

Code No.	Model	W.L.L. Min~Max (kg)	Dimensions (mm)									Product weight (kg)
			A	B	C	D	E	F	G	H	I	
06000022	DLWII-500	20~500	548~585	20	556~594	287~472	75	26	40	ϕ16		13.5
06000021	DLWO-500	20~500	559~589	35	556~594	320~557	75	26	42	ϕ16	130	15.0

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model DL

Works like other cam type clamps, easy-to-use clamp for lifting drums vertically

Special clamp Clamp for drums

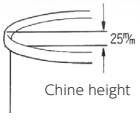


■Application

Lifting, transporting and pulling out

■Materials that can be handled

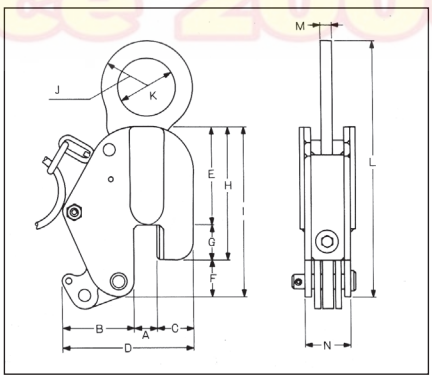
・Steel tight head drum type C
JIS Z 1601 (Class H and Class M)
(Chine height: 25 mm or more)
・Shaped steel with a short face width
(Shaped steel with a face width less than 25 mm cannot be handled.)



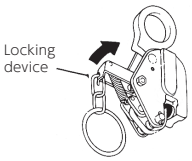
■Precautions for use

- Be sure you only use this clamp in 2-point lifting.
- Lift drums after setting the locking device securely.
- This clamp cannot be used with drums whose edge is deformed or whose chine height is less than 25 mm.
- Be careful because a drum with no load is considered to be a light load (with a low clamping force) when this clamp is used with such a drum.

Specifications







■Table of Dimensions (Model : DL)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	
06000000	DL-500	100~500	1~20	20	61	33	114	85	31	32	116	148	40R	ϕ50	223~266	10	40	2.6

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EWPA

Best suited for lifting and transporting wide panels!

● Easy pulling out and turning over

Special clamp Clamp for panels



■Application

Lifting, transporting, turning over and installing lightweight panels

■Materials that can be handled

Siding boards (whose area where the clamp will be installed is not hollow), decorative panels for exterior walls, heat insulating exterior wall material, wooden panels, concrete panels and ALC lumber
The balance and chain slings shown in the photo are sold separately.



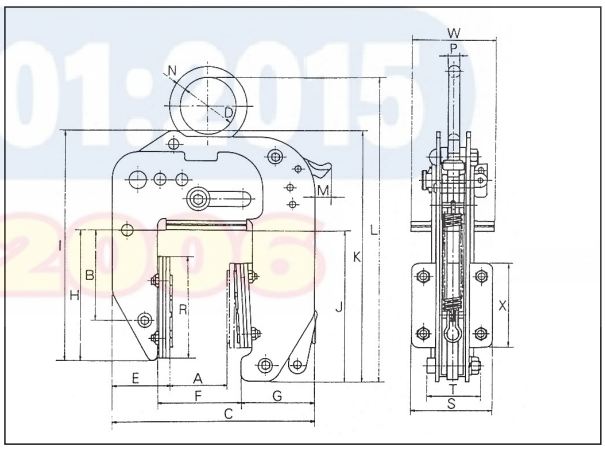
■Features

- ●Attachment is simple, with a spring type locking device (one-touch mechanism)
- ●This clamp can be opened by just pulling on a remote-control opening rope
- ●Both sides of panels are clamped between rubber pads to prevent panel breakage
- ●The receiving-side pad clamps a panel securely with spikes (0.5 mm high) (This clamp leaves small spike marks on the back of the panel / The spikes on the pads can be removed)
- ●Three-stage opening size adjustment is possible, based on panel thickness
- ●The opening size adjustment can be made by just changing the pin position

■Precautions for use

- ●Single point lifting is strictly prohibited. Be sure to use a balance and perform 2-point lifting.
- ●Not use with panels where the area to be grasped by the clamps is hollow. There is a danger that panels may be damaged.
- ●Attach the clamps by lifting the side trigger up.
- ●When attaching clamps to objects to be lifted, do it in the way so that the pads do not tilt.
- ●When opening clamps after landing or installing a panel etc., first completely slacken the slings supporting the clamps.
- ●This clamp cannot be used with panels with a hard or slippery surface, such as stone, bonded panels, etc.

Specifications



■Table of Dimensions (Model : EWPA)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)																				Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	W	X	
39P00900	EWPA-150	30~150	30~90	82	181	ϕ50	54	74	67	117	204.5	137	224	273~312	15	10	12	112	72	45	74	75	3.4

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EWPN

Best suited for lifting and transporting wide panels!

● Equipped with a locking device and a remote-control opening rope

Special clamp Clamp for panels





■Application

Lifting, transporting, turning over and installing lightweight panels

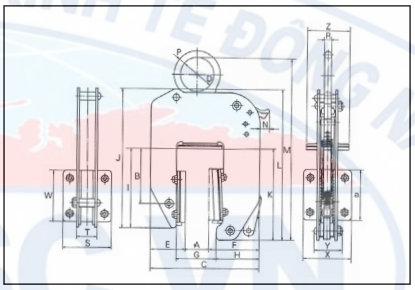
■Materials that can be handled

Siding boards (whose area where the clamp will be installed is not hollow), decorative panels for exterior walls, heat insulating exterior wall material, wooden panels, concrete panels and ALC lumber
The balance and chain slings shown in the photo are sold separately.

■Precautions for use

- Single point lifting is strictly prohibited. Be sure to use a balance and perform 2-point lifting.
- Not use with panels where the area to be grasped by the clamps is hollow. There is a danger that panels may be damaged.
- Attach the clamps by lifting the side trigger up.
- When attaching clamps to objects to be lifted, do it in the way so that the pads do not tilt.
- When opening clamps after landing or installing a panel etc., first completely slacken the slings supporting the clamps.
- This clamp cannot be used with panels with a hard or slippery surface, such as stone, bonded panels, etc.

Specifications



■Table of Dimensions (Model : EWPN)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)																						Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T	W	X	Y	Z	a	
39P00350	EWPN-150	30~150	15~35	80	171	ϕ50	60	76	61	64	116	204.5	133.5	222	269~320	15	10	10	72	30.4	75	72	42.5	64	75	2.7

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model ECHR

Easy-to-operate clamp for lifting wooden beams

Special clamp Clamp for lifting wooden beams



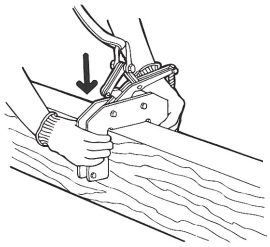


■Application

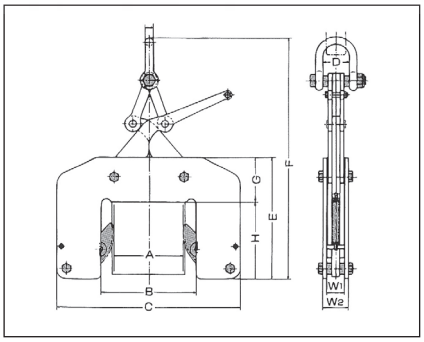
Lifting and transporting wooden beams

■Materials that can be handled

Wooden beams



Specifications



■Table of Dimensions (Model : ECHR)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness A (mm)	Dimensions (mm)										Product weight (kg)
				B	C	D	E	F	G	H	I	W1	W2	
39R00125	ECHR-200	40 ~ 200	105 ~ 125	128	240	32	159	270 ~ 315	59	100	ϕ10	32	23	3.4

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model BTS

Automatic attachment/detachment type, a wide range of stone sizes can be handled with a single clamp

Special clamps Clamps for stone



Model BTSW

■Application

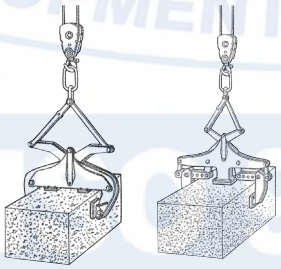
Lifting, transporting, landing and removing

■Materials that can be handled

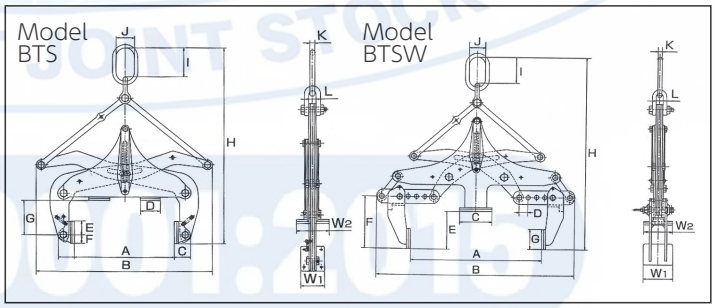
Rocks, gravestones, garden stones, stones for building, stones for civil engineering and all other types of stones

■Features

- With an automatic attachment/detachment device
- No marks are left on the stone because the clamp uses urethane rubber presser pads
- Since the opening section can be adjusted by changing the presser foot position (move the pin) to accommodate a stone' s thickness, a single clamp can handle a wide range of stone sizes··· Model BTSW

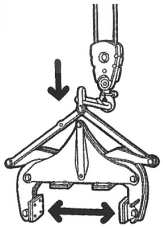


Specifications

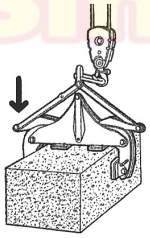


■Precautions for use

* Multiple point lifting is not allowed.



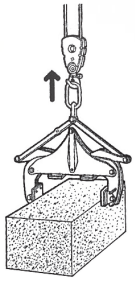
1. Open the opening section:
Land a clamp whose legs are closed, and then lift it. (Opening)



2. Attach the clamp:
Place the clamp over an object to be lifted. Let it rest the object. Lift the clamp slowly while checking that the object remains inserted in the clamp.



3. Lifting and transporting:
Check for safe conditions when the object is lifted off.



4. Remove the clamp:
Land the object and lower the crane until the slings are slackened. Once there is no load on the clamp, lift the clamp slowly.(Opening)

■Table of Dimensions (Model : BTS/BTSW)

Code No.	Model	W.L.L. Min~Max (kg)	Adapted measurement A (mm)	Dimensions (mm)												Product weight (kg)
				B	C	D	E	F	G	H	I	J	K	L	W1	W2	
34930335	BTS-300(240-335)	60~300	240~335	590(max)	53	70	45	30	115	610~866	96	60	13	24	72	100	13.1
34930456	BTS-300(360-455)	60~300	360~455	580(max)	53	70	45	30	115	688~961	96	60	13	24	72	100	14.9
34930455	BTSW-300	60~300	212~455	729(max)	120	30.3	136.5	189.5	72	697~925	96	60	13	24	100	100	17.7

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model RCA

With a patented mechanism, special clamps for lifting a wide variety of rails

(Without a lock spring)

Special clamps Clamps for lifting rails



Model RCAL

(With a lock spring)



Model RL



■Application

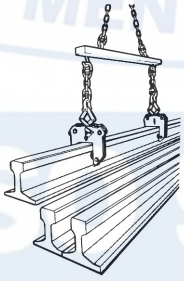
Lifting, transporting and landing

■Materials that can be handled

JIS E-1101 ordinary rail 30kg – 60kg
JIS E-1103 light rail 22kg (Model RL)

■Features

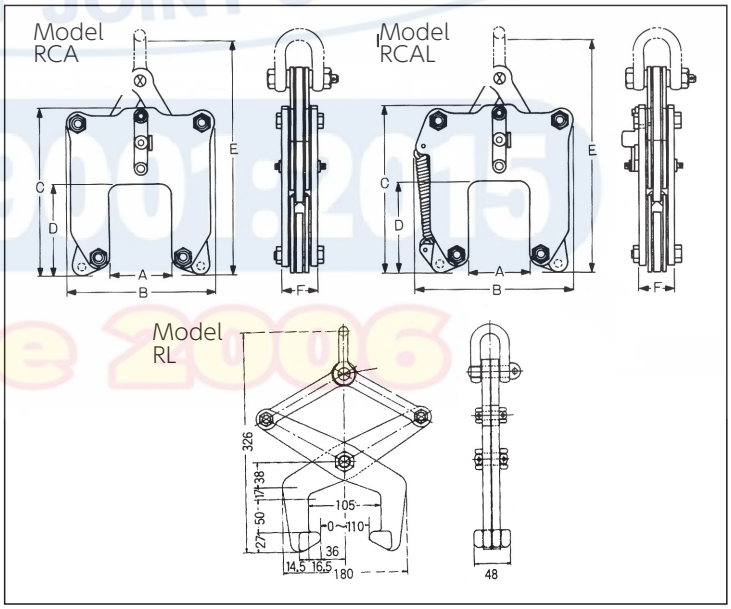
- ●Even stacked rails can be picked up and lifted easily
- ●Mechanism clamps objects with the optimal gripping force, corresponding to the load
- ●Double cams made of special alloy steel
- ●With an opening mechanism that is helps with attachment/detachment ··· Model RCAL
- ●High-tensile steel main body has a crack-resistant, welded construction
- ●Baked on finish (epoxy resin paint)



■Precautions for use

- ●Be sure to use clamps in two or more point lifting. The lifting angle should be less than 30°.
- ●Use a balance to lift long objects and perform two to four point lifting.
- ●Replace worn teeth immediately.
- ●There are some rails that cannot be handled, depending on the rail shape. Check the shape of the rail you intend to use the clamp for.

Specifications



■ Table of Dimensions (Model : RCA/RCAL/RL)

Code No.	Model	W.L.L. Min~Max (kg)	Applicable rail (kg)	Dimensions (mm)						Product weight (kg)
				A	B	C	D	E	F	
※06100010	RCA-500	100~500	30~60	80	192	215	115	323~396	43	7.1
※06101030	RCA-1	200~1000	30~60	80	192	215	115	343~424	55	9.4
06100020	RCAL-500	100~500	30~60	80	202	215	115	323~396	43	7.5
06101040	RCAL-1	200~1000	30~60	80	202	215	115	343~424	55	9.8
00901691	RL-500	100~500	22·30~60	0~110	Refer to the dimensional drawing above.					3.7

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SC

Clamp for connecting fall arresting equipment

* Small, lightweight screw clamp made of aluminum alloy

Product for working in high places Clamp for connecting fall arresting equipment



■Application

Connecting fall arresting equipment, installing guide ropes, suspending, lifting and transporting

■Materials that can be handled

Steel plates, shaped steel, flat steel, steel beams, steel frames, steel sheet pilings, steel structures and crane girders

■Features

- Lightweight, tough main body made of aluminum alloy
- Proprietary swivel jaw type clamping mechanism (Omnidirectional type)
- Securely grasps objects to be lifted with a swivel jaw / The gripping force is proportional to the lifting load
- Pressure nut mechanism with a clamping confirmation line so you can see the clamping condition at a glance
- Built-in attitude control cone spring that can keep the swivel jaw in the correct position letting you install it securely
- Meets the new specifications "Specifications of fall arresting equipment"
- Also can be used as a screw clamp for a sling (Refer to the specification table)



(1) Pipes with a radius of 200mm

(2) Half pipes



(3) Objects that have a sloping edge or tapered objects

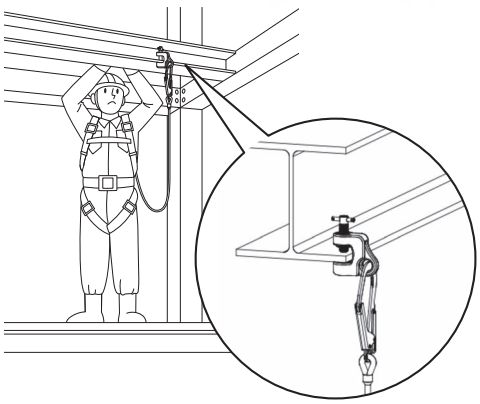
(4) Round bars



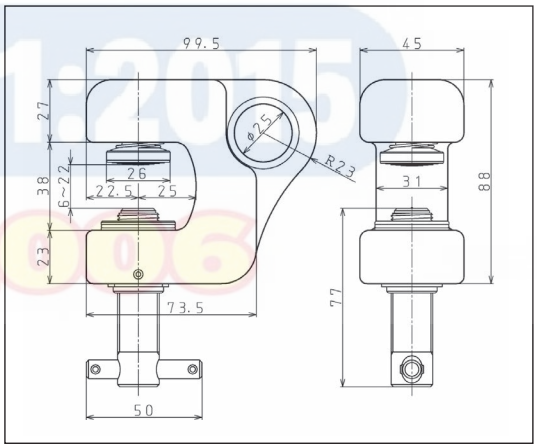
(5) Objects that have a protrusion or corrugation 1 mm or higher above the main surface

■Precautions when attaching clamps

- Any section where you want to attach the clamp must have flat, parallel sides.
- The thickness of the steel must be in the range of 6 mm to 22 mm.
- If there is any oil or water where the clamp will be attached, clean and dry it thoroughly.
- Do not use these clamps in any area where corrosion (rust) is present.
- Any place you want to attach the clamp must have a flange depth of 50 mm or more from the edge.
- Do not use the clamps with any of the objects shown in the drawings above.
- Steel materials must have a hardness in the range of HV85 to HV320.
- Do not use these clamps with brittle materials, extremely hard materials, or stainless materials which are extremely hard.



Specifications



■Specifications (Model : SC)

Code No.	Model	Max. usable equipment weight (kg)	W.L.L. Min~Max (kg)	Effective thickness (mm)	Product weight (kg)
28710220	SC-150	★100	[30~150]	6~22	0.65

★ "Specifications of fall arresting equipment" from the Ministry of Health, Labor and Welfare
The equipment weight shown is the total weight of user's body weight and any attached equipment.
The value in brackets applies when they are used as sling clamps.
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SCI

Clamp for connecting fall arresting equipment

* Small, ultra-lightweight screw clamp

Product for working in high places Clamp for connecting fall arresting equipment



■Application

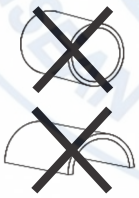
Connecting fall arresting equipment, installing guide ropes, suspending, lifting and transporting

■Materials that can be handled

Steel plates, shaped steel, flat steel, steel beams, steel frames, steel sheet pilings, steel structures and crane girders

■Features

- Type that offers cost performance by inheriting the basic performance of the SC model and integrating the pressure mechanism (with a clamping confirmation line) into the swivel jaw side



(1) Pipes with a radius of 200mm

(2) Half pipes



(3) Objects that have a sloping edge or tapered objects

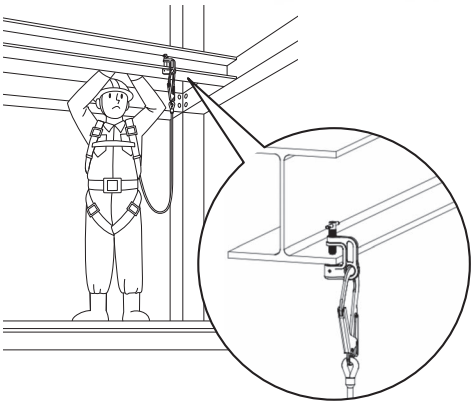
(4) Round bars



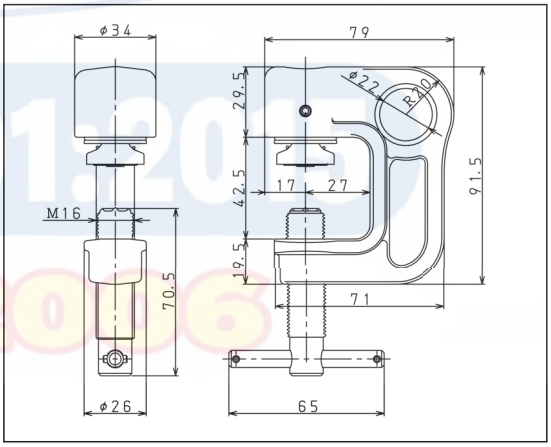
(5) Objects that have a protrusion or corrugation 1 mm or higher above the main surface

■Precautions when attaching clamps

- Any section where you want to attach the clamp must have flat, parallel sides.
- The thickness of the steel must be in the range of 6 mm to 28 mm.
- If there is any oil or water where the clamp will be attached, clean and dry it thoroughly.
- Do not use these clamps in any area where corrosion (rust) is present.
- Any place you want to attach the clamp must have a flange depth of 45 mm or more from the edge.
- Do not use the clamps with any of the objects shown in the drawings above.
- Steel materials must have a hardness in the range of HV85 to HV320.
- Do not use these clamps with brittle materials, extremely hard materials, or stainless materials which are extremely hard.



Specifications



■Specifications (Model : SCI)

Code No.	Model	Max. usable equipment weight (kg)	W.L.L. Min~Max (kg)	Effective thickness (mm)	Product weight (kg)
28726280	SCI-150	★100	[30~150]	6~28	0.56

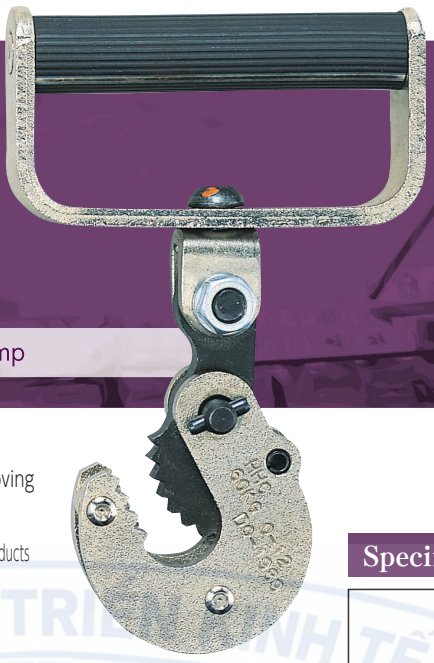
★ "Specifications of fall arresting equipment" from the Ministry of Health, Labor and Welfare
The equipment weight shown is the total weight of user's body weight and any attached equipment.
The value in brackets applies when they are used as sling clamps.
○The specifications, dimensions and paint colors are subject to change without prior notice.

CÔNG TY CỔ PHẦN PHÁT TRIỂN KINH TẾ ĐÔNG NAM Á
ASEAN DEVELOPMENT JOINT STOCK COMPANY
ASEAN JSC.VN
ISO 9001:2015
Since 2006

Model HHC

Makes it easy to hand carry steel materials, handheld clamp for transporting material

Clamp for handling material Handheld clamp



■Application

Transporting, installing, welding, assembling, positioning, pulling out and removing

■Materials that can be handled

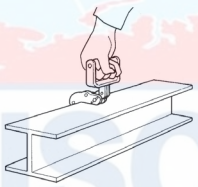
Simple building materials, machining materials, welding materials, lumber, guard rails and tin plate processed products

■Material types

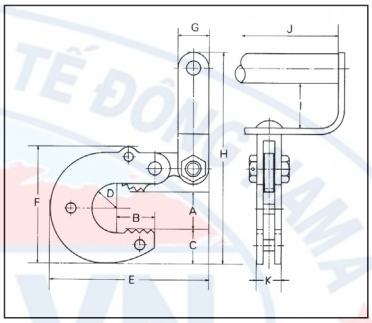
Steel materials and non-ferrous metal with a hardness of HV320

■Features

- Very safe mechanism that grasps members securely and prevents injuries and accidents while carrying materials by hand
- The clamp mechanism clamps the object firmly and automatically using the weight of the load to be lifted / The gripping force is proportional to the load to be lifted
- Easy to use because of its ultra-lightweight (product weight: 500g) and simple mechanism
- With a freely rotatable handle
- The clamping cam and pin are made of heat-treated high alloy steel
- Nickel-plated, high-tensile steel main body is highly durable and has high corrosion resistance
- Can be used with objects that cannot be lifted using a suction disk or other devices



Specifications



■Table of Dimensions (Model : HHC)

Code No.	Model	W.L.L. Min~Max (kg)	Effective thickness (mm)	Dimensions (mm)											Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	
16900010	HHC	12~60	3~12	13	20	17	10	86	58	20	136	28	90	16	0.5

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EHP

Protects hackers and objects to be lifted

Jigs for protecting objects being lifted and the sling lifting equipment Workpiece protective material for hackers

(The EH Hacker is sold separately.)
Two pieces per bag (for each EH model)



愛パッド

■Application

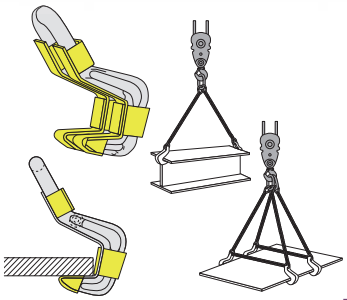
Horizontal lifting by hackers (Model EH) to protect the objects to be lifted and lifting equipment in carrying work

■Materials that can be handled

Protective material for EAGLE hacker Model EH

■Features

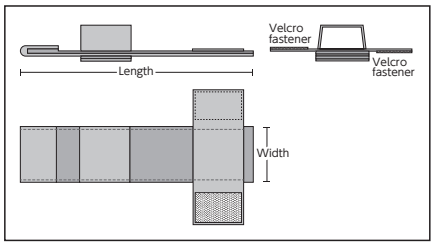
- Reduces scratches or marks that are left on objects when hackers are being used
- Easy attachment/detachment with Velcro fasteners / Double protection in the deep hacker section that touches the corners of objects to be lifted



■Precautions for use

- Use this protector at normal temperatures (reference range: -30° - 50°). It cannot be used at temperatures of 100° or more, or at freezing temperatures.
- Please note carefully that if oil, water, chemicals, etc. are on the surface of this protector, it will become slippery. Use in acid pickling is prohibited.
- Do not leave this protector outside. Do not use it outside constantly. Avoid its use and storage where it will be exposed to strong heat or ultraviolet light.
- When you see green fibers (especially in places that lifted objects touch) or the protective material becomes remarkably deformed, discard it and replace it with a new one.

Specifications



■Table of Dimensions (Model : EHP)

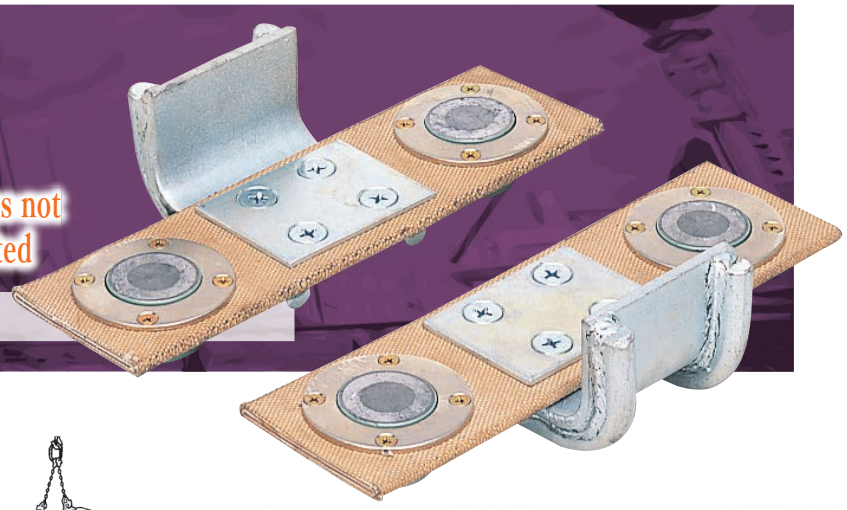
Code No.	Model	Maximum working load (t)	Dimensions (mm)	
			Width	Length
GM3P0010	EHP-1	1	50	185
GM3P0020	EHP-2	2	50	260
GM3P0030	EHP-3	3	75	300
GM3P0050	EHP-5	5	100	350

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model EM

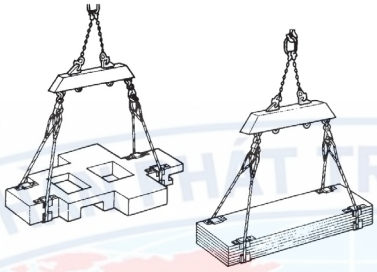
Lifting equipment protective jig that does not damage lifting wires or objects being lifted

Jig for protecting objects being lifted and the sling lifting equipment Wire protective jig



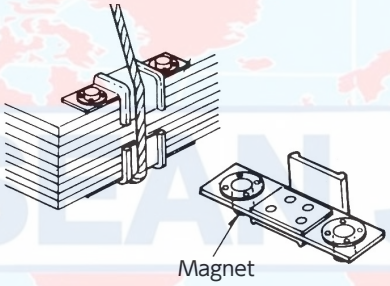
■Application

Protects lifting equipment while transporting steel materials and steel structures

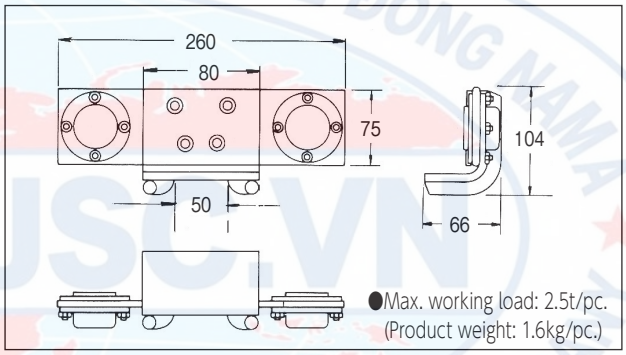


■Features

- Protects wires and sling belts from being damaged or cut by the corners of objects being lifted
- Protects objects being lifted from being damaged by wires or chains
- With magnets that make it easy to attach/detach to the objects to be lifted
- Made of steel plate that is strong and durable
- Can even be used with objects that tend to curve when lifted



Specifications



- Max. working load: 2.5t/pc. (Product weight: 1.6kg/pc.)

Model PXLJ

Sling protectors

Protects objects being lifted and the sling lifting equipment! Easy to use and economical!!

Jigs for protecting objects being lifted and the sling lifting equipment Sling protectors



PXLJ-75×500

■Application

Protects objects to be lifted and the sling lifting equipment using chains or wires when lifting, turning over, assembling and loading

■Materials that can be handled

Columns, pipes, wire rods, steel structures, steel frames, etc.

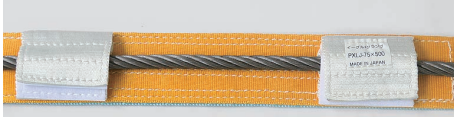


■Features

- Flexible materials protect objects to be lifted and the sling lifting equipment (chains, wires and belts) from being damaged
- Velcro type tape, easy to be attached to and removed from slings
- Uses polyester belts that are resistant to degradation from ultraviolet light exposure or water absorption ,and they have excellent wear resistance
- Joint type of this protector allows them to be lengthened by linking them together



When mounted on a chain



When mounted on a wire



When mounted on a belt

■Table of specifications and applications (Model : PXLJ)

Code No.	Model	Applicable chain diameter (mm)	Applicable wire diameter (mm)	Applicable sling width (mm)	Product weight (kg)
GM30703J	PXLJ-75×300	6~10	8~14	35~75	0.25
GM30705J	PXLJ-75×500	8~16	12~22	35~75	0.34

PXLJ - Width x Effective length

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model SS

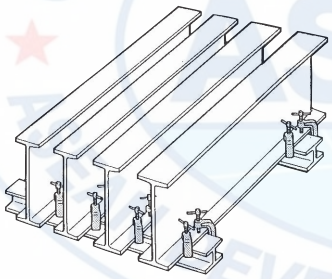
Wide opening section and deep throat! Easy attachment using a screw clamp

Jig Jig to prevent workpieces from falling



Model SSM

Jigs Jigs to prevent workpieces from falling





■Application

Prevent H-shaped steel, I-shaped steel and earth retaining materials from falling

■Materials that can be handled

H-shaped steel, I-shaped steel and earth retaining materials

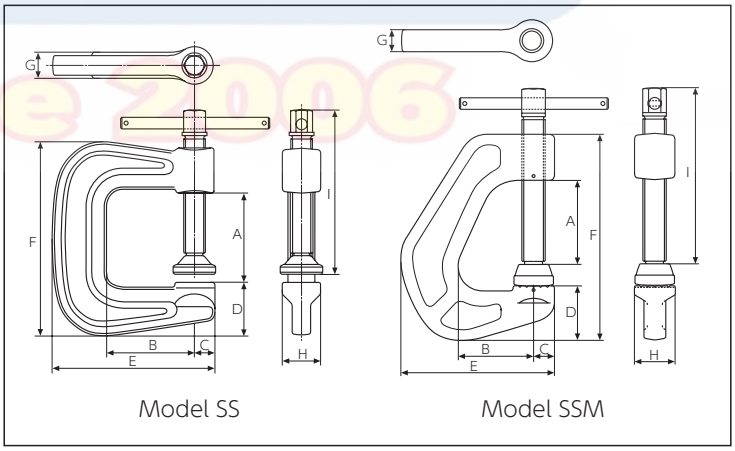
■Features

- The main body is made of precision forged and tough special alloy steel
- The main body and clamp screw are made with a special anti-corrosion surface treatment and finish
- Clamp screws are metric triangular threads and well-tempered
- Clamp screws with a hexagonal head can be tightened with various fastening tools you have on hand, like round bar handles, spanners, various wrenches, etc.

■Precautions for use

- This clamp is specially designed to prevent workpieces from falling. Never use it for lifting.

Specifications



■Table of Dimensions (Model : SS/SSM)

Code No.	Model	Maximum working load (t)	Effective thickness (mm)	Dimensions (mm)									Screw size	Product weight (kg)
				A	B	C	D	E	F	G	H	I		
25130750	SS-3	3	75	97	95	22	57	177	211	30	44	178	M24xP3	4.6
25130300	SSM-3	3	30	60	60	21	43	126	133	22	42	113	Tr24xP3	2.2
25150800	SSM-5	5	80	86	80	21	59	161	219	22	42	183	Tr24xP3	3.9

○The specifications, dimensions and paint colors are subject to change without prior notice.

ASEAN JOINT STOCK COMPANY
DEVELOPMENT JOINT STOCK COMPANY
ISO 9001:2015
Since 2006

Model BHC

Special hanger clamps for suspending items from beams (shaped steel)



Increased grip Reduced sideslip
(With knurled supports)

Jigs Beam hanger clamps



■Application

Tail hanger piece and hanger (chain blocks, hoists, etc.)

■Materials that can be handled

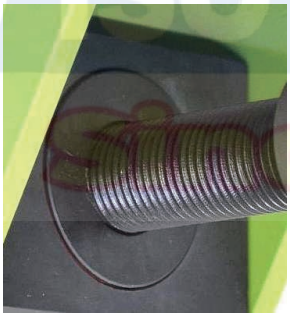
H-shaped steel

■Features

- Built-in clamping confirmation mechanism (confirmation line) so you can see the clamping condition at a glance
- Reduced sideslip, with a knurled grip
- The main body color indicates the maximum working load / Can be identified from a distance



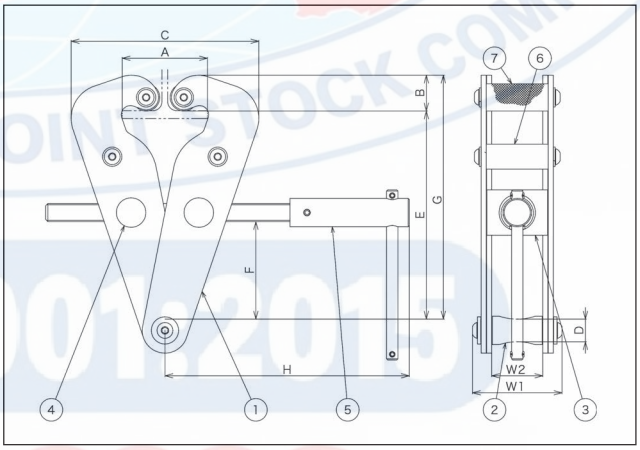




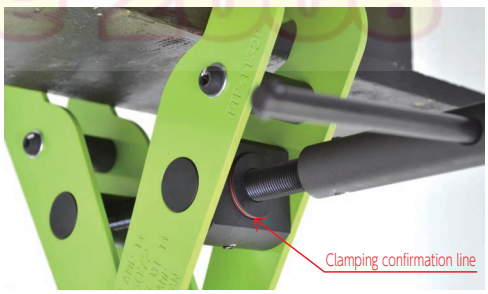
■Precautions for use

- This hanger clamp cannot be used for lifting.
- For lifting operations, be sure to use lifting clamps that meet the intended use.

Specifications



①	Main body plate
②	Lifting pin
③	Pressure nut
④	Special nut
⑤	Clamp screw
⑥	Main body pin
⑦	Toothed main body pin



■Table of Dimensions (Model : BHC)

Code No.	Model	Maximum working load (kg)	Applicable flange width A (mm)	Dimensions (mm)									Product weight (kg)
				B	C	D	E	F(min)	G(max)	H	W1	W2	
00BHC010	BHC-1(75-250)	1000	75~250	24~32	165~380	20	125~183	44	215	215	79	45	4.1
00BHC020	BHC-2(75-250)	2000	75~250	26~37	180~395	20	128~184	45	220	220	85	45	5.4
00BHC030	BHC-3(80-320)	3000	80~320	35~41	206~486	24	173~242	51	283	265	92	45	8.9

Applicable flange thickness 1t – 2t: Max. 20mm, 3t: Max. 32mm
Specified tightening torque: 1470 N.cm
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model JDH

Best suited for landing steel plates
The opening section is a large, auto-locking pelican hook

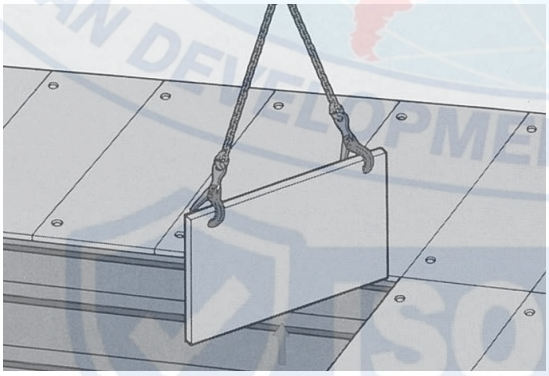
Hooks for engineering work Hooks for lifting steel floor plates



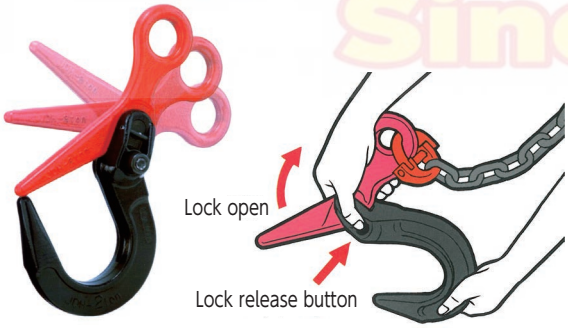
■Application
Landing, removing, transporting and piling steel floor plates, can hang multiple thick ropes or fiber slings

■Materials that can be handled
Steel floor plates and multipurpose members

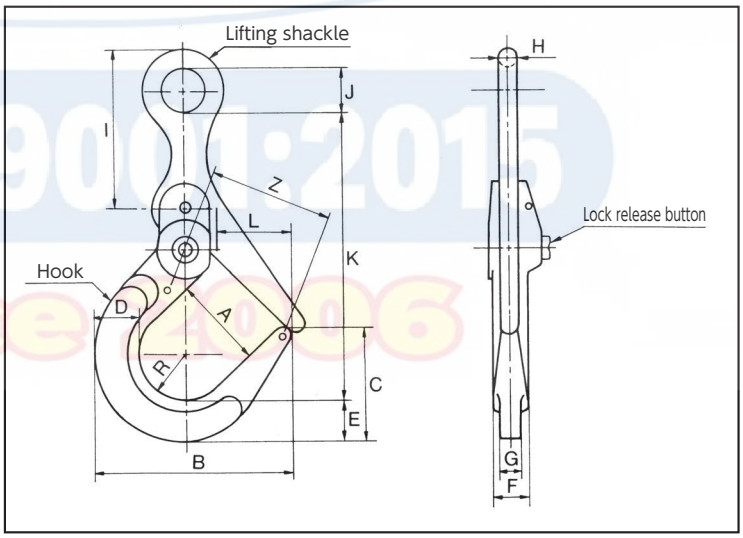
■Features
- ●Hook has a wide opening section and can be used for a wide variety of jobs, in addition to steel floor plates
- ●Since the lock release button is on the side of the hook, you will never get your fingers caught when the hook is released
- ●When starting to lift, the opening section closes automatically to lock the hook
- ●Design that reflects the actual requirements of work sites, further improving functionality and safety
- ●Since the opening section is large, thick fiber slings can be accommodated easily



* Before lifting an object, check the strength of the material around holes in the object.



Specifications



■Table of Dimensions (Model : JDH)

Code No.	Model	Maximum working load (kg)	Opening size (mm)	Dimensions (mm)													Product weight (kg)
				A	B	C	D	E	F	G	H	I	J	K	L	R	
00JDH011	JDH-1	1000	70	70	148	86	31	29	24	16	ϕ13	110	ϕ30	220	54	35	2.4
00JDH021	JDH-2	2000	80	80	169	96	38	34	31	20	ϕ16	135	ϕ38	246	63	40	3.4
00JDH031	JDH-3	3000	80	80	175	101	43	39	33	22	ϕ19	143	ϕ38	251	64	40	4.2

○The specifications, dimensions and paint colors are subject to change without prior notice.

Model CDER

Link open/close system, lightweight, and extraordinarily economical

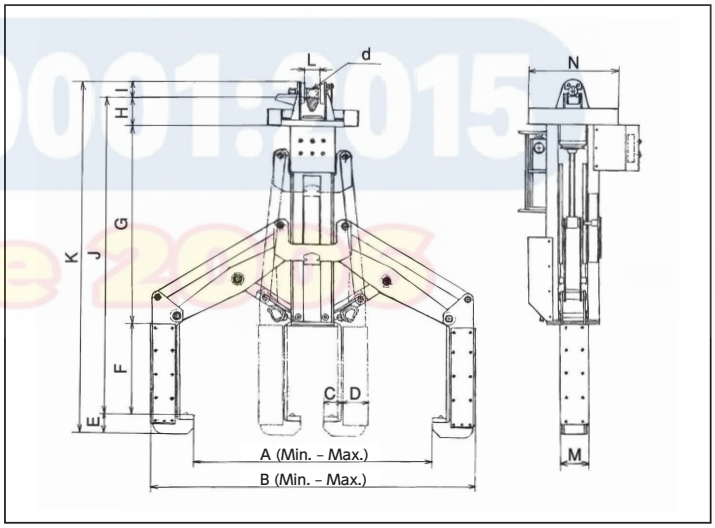
Other labor-saving transport machines Radio controlled coil lifters





* We can also fabricate a catch storage type coil lifter at your request.

Specifications



■Features

- ●Advanced link type arms, lighter weight, and more economical
- ●Remarkable working ability with a rotary device
- ●Automatic stops at 90 degrees when turning left or right (Can also stop at an arbitrary position)
- ●Complete set of safety measures using various kinds of sensors

* Coil lifter operation video

■Table of Dimensions (Model : CDER)(Typical type in our delivery records)

Model	Maximum working load(t)	Arm open/close mechanism	Dimensions (mm)																Product weight (kg)	Applicable coil size (mm)		
			A Min. – Max.	B Min. – Max.	C	D	E	F	G	H	I	J	K	L	M	N	d		Width Min. – Max.	OD Max.	ID Min.
○CDER-10	10	Link system	200~2050	950~2800	150	225	180	800	1730	253	136	2783	3099	120	248	950	ϕ62	1400	500~1830	1830	508
○CDER-15	15	Link system	80~2030	830~2860	150	225	190	780	1780	263	151	2823	3164	128	254	1000	ϕ82	1500	380~1810	1800	508
○CDER-20	20	Link system	200~1800	830~2860	150	225	180	880	1600	263	148	2743	3071	116	254	1100	ϕ76	1500	500~1600	2000	508
○CDER-25	25	Link system	200~1800	950~2550	150	225	190	880	1600	273	152	2753	3095	130	254	1100	ϕ84	1450	500~1600	2000	508

○Due to the custom made nature of these products, the dimensions and product weights are subject to change, depending on the applicable coil sizes.

Model TWER

Extendable arm system performs well, even in places where there is limited lifting height

Other labor-saving transport machines Radio controlled coil lifters





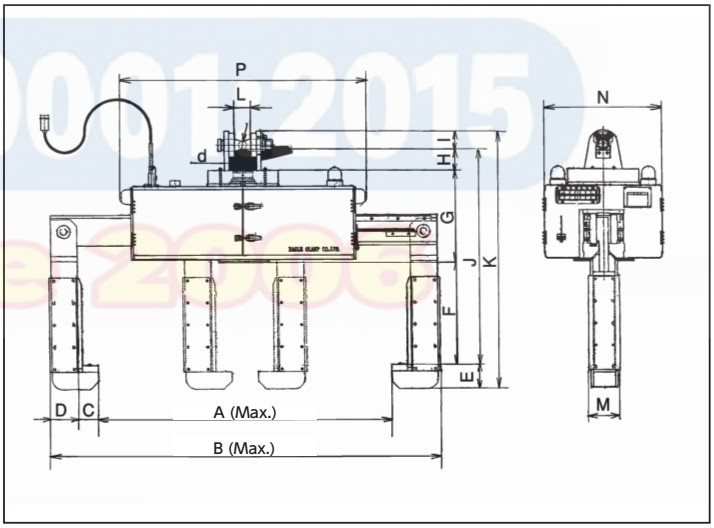
* We can also fabricate a catch storage type coil lifter at your request.

■Features

- ●Extendable arm system with a rack pinion mechanism is suitable for places where the available crane lifting height is low.
- ●Remarkable workability with a rotary device
- ●Automatic stops at 90 degrees when turning left or right (Can also stop at an arbitrary position)
- ●Complete set of safety measures using various kinds of sensors

* Coil lifter operation video

Specifications



■Table of Dimensions(Model : TWER) (Typical type in our delivery records)

Model	Maximum working load(t)	Arm open/close mechanism	Dimensions (mm)																	Product weight (kg)	Applicable coil size (mm)		
			A Min. – Max.	B Min. – Max.	C	D	E	F	G	H	I	J	K	L	M	N	P	d		Width Min. – Max.	OD Max.	ID Min.
○TWER-10	10	Rack and pinion system	200~2220	930~2950	150	215	180	778	698.2	160.8	136	1637	1953	120	231	895	1870	62	2200	500~2070	1600	508
○TWER-15	15	Rack and pinion system	200~1800	930~2530	150	215	180	778	698.2	154.8	140	1631	1951	110	231	895	1522	70	1900	500~1600	1600	508
○TWER-20	20	Rack and pinion system	200~2050	920~2780	150	215	180	778	698.2	201.8	145	1678	2003	120	231	895	1722	80	2000	500~1850	1500	508
○TWER-25	25	Rack and pinion system	200~1750	930~2480	150	215	190	871	707.2	203.8	168	1782	2140	165	231	895	1570	96	1950	500~1550	1924	508

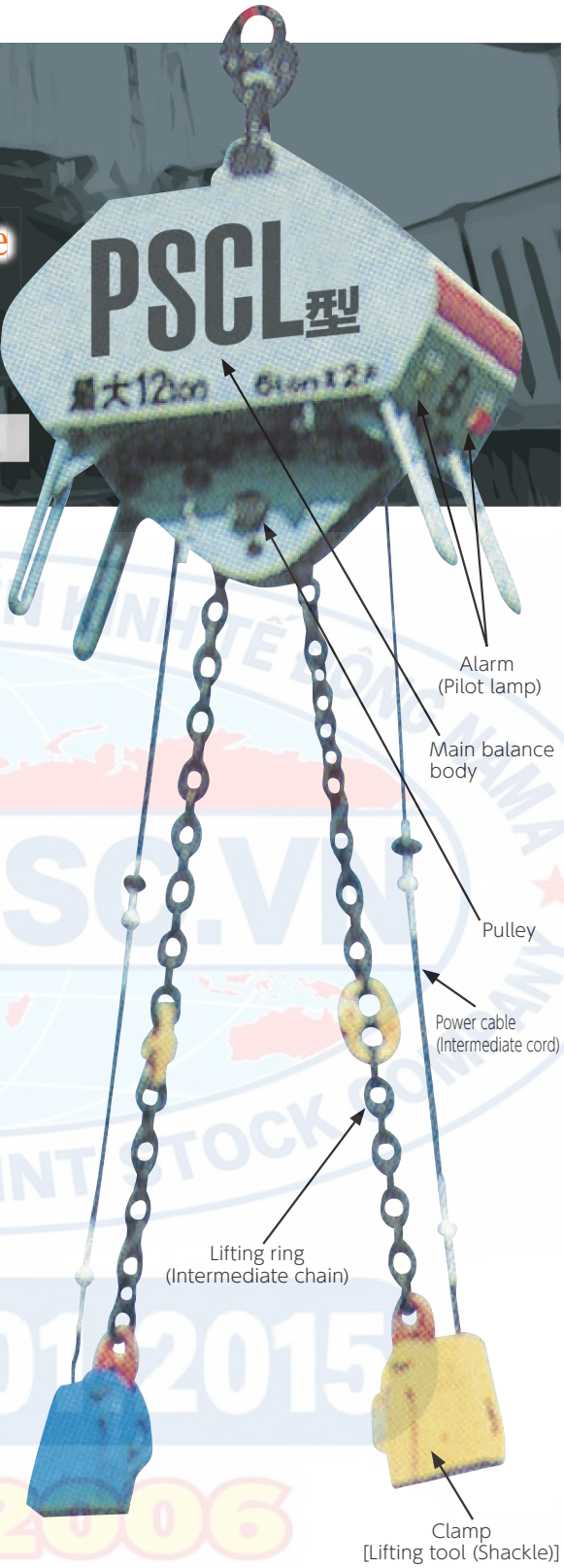
○Due to the custom made nature of these products, the dimensions and product weights are subject to change, depending on the applicable coil sizes.

Model PSCL

Provides safety while cutting the labor time
No slack in stiff cables!

Clamp for other constructions Wireless automatic unslinging device





■Application
Erecting, transporting, assembling, loading, lifting and welding

■Materials that can be handled
Steel frames, steel poles, steel beams, large steel structures and earth retaining materials

■Working temperature range
0 - 55°C

■Features
- ●A lifting piece or a bolt hole is used to attach the lifting tool (shackle) [clamp], / Has one-touch operation to insert the pin
- ●Since the weight of a lifting tool for 12 tons is only 10kg (weight on the side of the lifting tool), sling work can be performed easily
- ●When sling work is performed, the double locking mechanism (link type lock and pin type lock) prevents the pin from falling out during lifting and transportation
- ●A flashing red lamp and an unsling confirmation buzzer are used to tell you that the load has been unslung
- ●To prevent accidental presses of the operation button on the wireless transmitter, two buttons must be pressed at the same time
- ●After a single charge of the battery built into the main body of the balance, this unslinging device can be used 300 times before recharging due to its highly efficient operation
- ●In anticipation of not being able to unsling the clamp due to a discharged battery, it also has a manual release mechanism (This is not needed in ordinary use)
- ●Even when clamps are attached to the top and bottom of a lifting piece (when pulling out columns), the load will be applied evenly due to a special pulley. It is possible to use this device at the maximum working load
- ●The newest design lets you choose the intermediate chain and intermediate cord lengths that are suitable for load / One-touch replacement of operation cables and chains / The length can be selected in one meter increments

■Precautions for use
- ●Before starting work, turn on the power switch to check the operating condition of this device, including the wireless control device and to check the battery.
- ●After finishing work for the day, be sure to turn off the power and charge the batteries in both the wireless device and the main balance body.
- ●After use, put a protective cover on this device so that it is not exposed to rain.
- ●After use, be sure to grease the lifting shackle' s lifting pin.

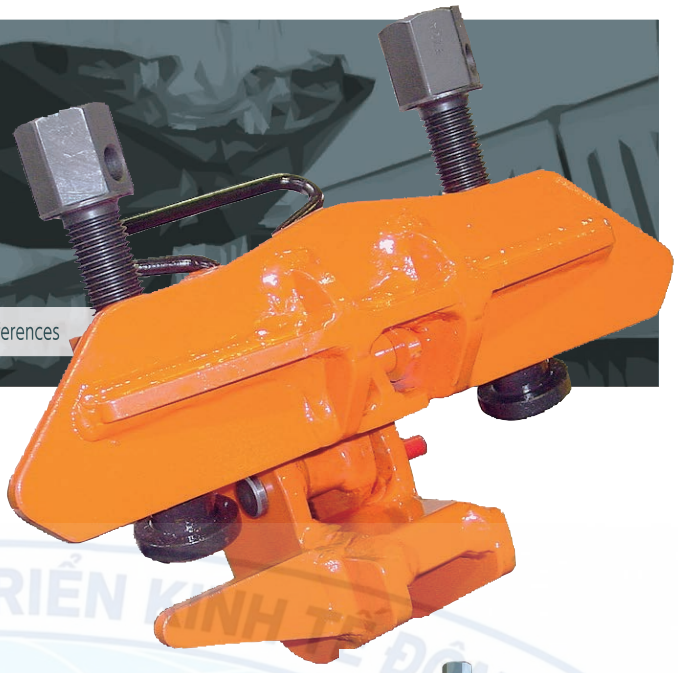
Maximum working load (ton)	Number of lifting points
※12	2-point lifting
※15	2-point lifting
※25	4-point lifting

※Made-to-order product

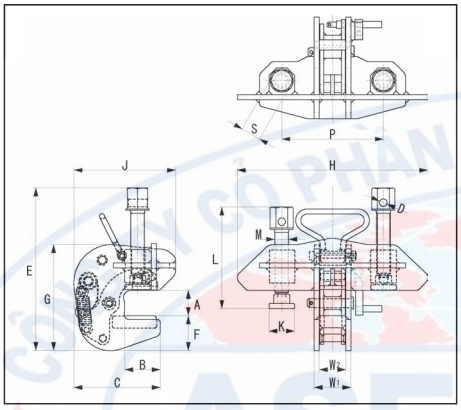
Model ALB

Adjusts the level difference for longitudinals with single clamp

Clamps for other types of construction Clamps for adjusting level differences



Specifications

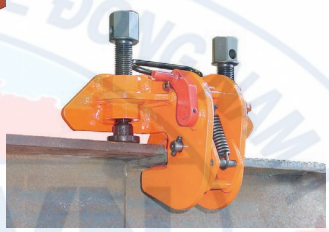


■Application

Adjustment of level differences in longitudinals

■Materials that can be handled

Steel plates, longitudinals, shaped steel, flat steel, steel beams and steel frames



■Table of Dimensions (Model : ALB)

Code No.	Model	Maximum working load (t)	Max. effective opening (mm)	Dimensions (mm)															Product weight (kg)
				A	B	C	D	E	F	G	H	J	K	L	M	P	S	W1	W2	
※	ALB-3(35×160)	3	35	40	55	135	ϕ12	Max 256	55	167	300	160	ϕ40	160	ϕ22	160	32	58	42	8.4
※	ALB-3(65×260)	3	65	70	55	135	ϕ12	Max 331	60	225	350	191	ϕ45	200	ϕ24	260	32	60	44	13.0

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

Model LCT

Can be inserted and pull out close-spaced L-shaped steel simultaneously

Clamp for other types of steel Special clamp for L-shaped steel



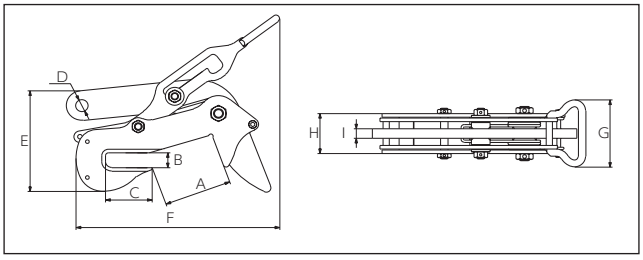
■Application

Inserts between L-shaped steel pieces and pulls one out

■Materials that can be handled

L-shaped steel

Specifications





■Table of Dimensions (Model : LCT)

Code No.	Model	Maximum working load (t)	Effective thickness (mm)	Dimensions (mm)									Product weight (kg)
				A	B	C	D	E	F	G	H	I	
※00908400	LCT-1	1	14~20	109	25	75	20	167~364	328	113	67	16	8.3

※Made-to-order product
○The specifications, dimensions and paint colors are subject to change without prior notice.

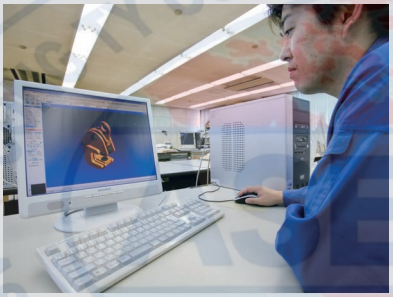
SYSTEM

50 years making and selling only clamp equipment -- our proven manufacturing system always creates high quality

In addition to the know-how gained in producing clamps for 50 years, Eagle Clamp stands out with our proprietary integrated systems from design, manufacturing, and quality inspection to product management. Furthermore, Eagle Clamp has installed high technology manufacturing and production equipment, with a strict system of checks in all stages, and we insist on making only high-quality products.

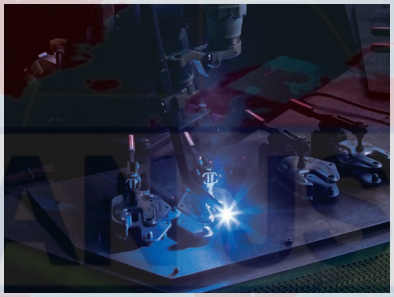
Eagle Products Production flowchart

Planning and design



We have a team of intelligent people who create products that meet various needs at various types of worksites which means we produce lots of innovative clamps and tongs. Our designs are made real, tested and checked with an effective, high-precision 3DCAD system.

Manufacturing



We employ high-performance FA (Factory Automation) systems like 3DCAD. By coupling a numerical control machine tool to the 3DCAD drawing data and various types of manufacturing robots, our clamps and tongs are produced accurately and efficiently, exactly as per design.

Product inspection



Tensile tests are performed on products at 2.5 times the maximum working load using a dedicated testing machine which is certified to meet the national standards. A label is placed on each product that shows that an inspection was carried out and the results met the standards. Furthermore, in order to be doubly sure, breaking strength tests of the materials we use are carried out on samples using a Rockwell hardness testing machine and an Amsler tensile testing machine, so that we can be satisfied with their strength .

Product Management

Product registration

Models, maximum working loads, opening sizes, product numbers and dates of production are all computer registered.

Shipping management

Shipping dates and shipping destinations (dealers and business offices) are added to the product registration data.
A warranty card and a warranty card issuance confirmation are attached to every product.
* A test certificate in English is attached every product for items we ship abroad.

User master registration

User names, associated data and user registration dates are added to our shipping management data.

QUALITY

Globally recognized high quality and high performance of Eagle clamps

Eagle Clamp's products are continuously used in large numbers at home and overseas. They are appreciated on worksites in various fields because of their reliable safety and labor-savings when used.
Also they are recognized by all countries around the world due to our quality assurance and maintenance systems, which comply with all applicable ISO standards.

Absolutely safe products are the result of high-precision design and production

Eagle clamps' safe performance

■A safety factor of five or more is used in the design and manufacturing stages. / Complies with the safety factor for sling hooks in the Occupational Safety and Health Act and the Japanese Crane Safety Regulations.
■Products must pass a performance test to be accepted
* Acceptance criteria: must be free from permanent deformations at a load of 2.5 times the maximum working load and must remain intact at a load of five times or more of the maximum working load.
■The main body of our products is made from high-tensile steel or a special alloy steel that has excellent hardness and strength.
•Working temperature range: -20°C - 150°C (urethane pad type clamps: -10°C - 50°C) * When a high-temperature object is clamped for a prolonged time, the clamping force of the main body and cam will decrease.
■The friction sections of cams, swivel jaws, etc. are hardened when manufactured. The tooth tips of cams are high-frequency hardened.
* Tooth tip hardness: HV640 or more (for steel)
•Materials that can be used: Steel material whose upper limit hardness is up to HV320 (Non-marring clamps: HV250) and non-ferrous metal (for steel)
: Lower hardness limit HV85
: Fully cured concrete products

Advantages from using Eagle clamps

■Savings in wire mounting piece costs and labor costs
■Remarkable increase in working efficiency
■Reduced working time
■Improved safety at work

Perfect quality assurance

■Due to the acquisition of ISO9001 certification in our aftersales service system, the quality of Eagle clamps is recognized all over the world.
■If one of our products has any problem due to manufacturing defects, we will replace with a new one or make repairs under our warranty.
■We also have product liability insurance in case of a disaster. Please ask us for more details.


Lloyd's Register LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

EAGLE CLAMP CO., LTD.
8-2-3, Tanimachi, Chuo-ku, Osaka-shi,
Osaka-fu, 542-0012
Japan

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2015, JIS Q 9001:2015

The Quality Management System is applicable to:

Design, manufacture and maintenance of lifting equipment including clamps & tongs. Management of manufacture of clamps. Assembly of chain slings and lifting components.

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Approval Certificate No: YKA 0200192

Original Approval: 28 April 2000
Current Certificate: 24 April 2018
Certificate Expiry: 30 April 2021

Issued by: Lloyd's Register Quality Assurance Limited

IAF

Acquisition of certifications, awards and patents at home and abroad

Technical skills certified by various intellectual property rights and invention awards

Eagle Clamp is always working to develop new products and holds many intellectual property rights. We take advantage of these many intellectual properties to conduct collaborative research with major companies and have obtained many joint patents.

■Number of trademark rights owned: 52
•Number of intellectual properties registered abroad: 28
■Number of intellectual property rights held: 137 (As of November, 2019)
Number of patents held: 55　Number of utility model rights held: 8
Number of design rights held: 22
■Number of times awards received: 48 (Yellow Ribbon Medal, the Ministry of Education Award, local invention award, etc.)

MECHANISM

Lifting and clamping system

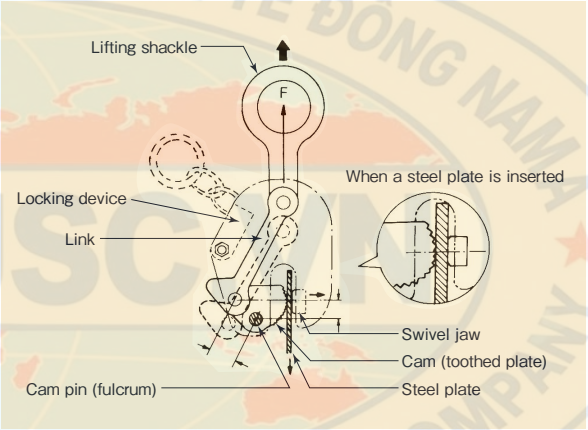
The object to be lifted is first clamped by the initial load (the weight of the clamp main body and the spring tension on the locking device) applied by the cam and the swivel jaw. The initial friction force is produced to start lifting or pulling out.

The greater the load being lifted, the more clamping force is applied due to the double action of the link mechanism and the automatic clamping action of the cam mechanism. The cam is pressed harder into the object being lifted by the object's own weight.

When turning an object over or landing it, the clamp will temporarily be in a no-load condition. However, the spring force on the locking device keeps the cam pressed against the object.

Main construction and features

- Mechanism that creates the needed clamping force using the weight of object to be lifted
- Cam and link shapes designed so that the gripping force does not vary remarkably due to changes in thickness or in lifting angles
  * Care is needed when clamping steel plates less than 1/4 the maximum working thickness or objects less than 1/5 the maximum working load
- Equipped with a locking device or spring that is difficult to dislodge, even under no load (except Model VA)
- While the lock is operating, even when the clamp is temporarily in a no-load condition while turning an object over or landing it, the clamp does not come off easily, allowing smooth operation

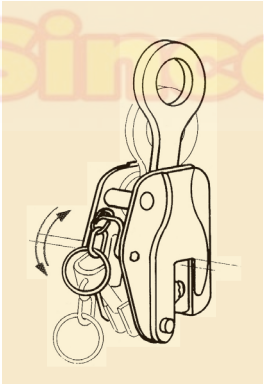


About the locking devices

Eagle Clamp's locking devices are latch and lever types.

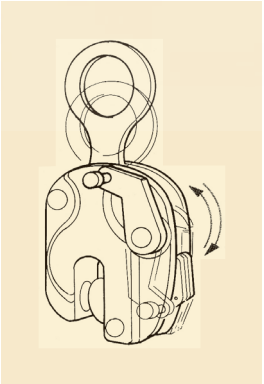
Latch type locking device (spring pressure clamp mechanism)

When the latch on the locking device is pushed into the main clamp body, spring tension pushes the locking cam into the opening section so that it is pressed against the object.
If this device is not used, the spring will not normally be engaged. Therefore, the locking cam would open or close freely. Its movement is controlled directly by the lifting shackle. However, in normal use, while the spring is engaged, the locking cam will not open.



Lever locking device (clamp release mechanism)

When the lever on the locking device is pushed into the locked position, spring tension pushes the locking cam into the opening section so that it is pressed against the object.
Normally, when this device is not used and the lever is left in the release position, the locking cam will push the cam link up. Therefore, even if you pull on the lifting shackle, the locking cam will close. Also, while the spring is engaged the locking cam will not open in normal use, even if the lifting load disappears instantaneously.



SELECTION

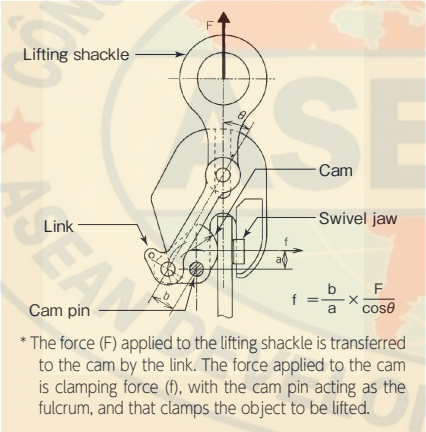
Main types of Eagle clamps (for lifting steel)

Our clamps are divided into vertical lifting, lateral lifting, horizontal lifting (all cam type clamps), a screw type and a special type, according to their application and construction. There are non-marring clamps for vertical lifting, lateral lifting and horizontal lifting. The special type clamps are used for specific objects to be lifted and for specific types of lifting work.

Construction of various clamps

Vertical lifting clamps

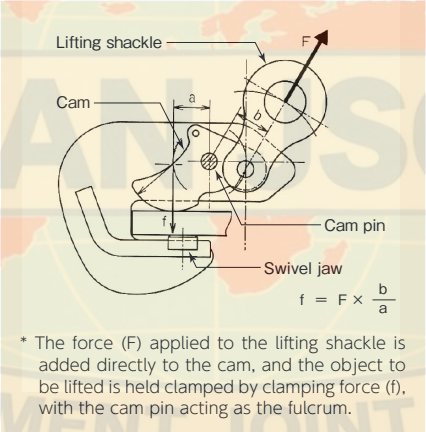
Designed to clamp objects using a serrated cam and a round serrated swivel jaw. The locking device presses against the cam with the aid of a spring. The clamping force is proportional to the load being lifted.



* The force (F) applied to the lifting shackle is transferred to the cam by the link. The force applied to the cam is clamping force (f), with the cam pin acting as the fulcrum, and that clamps the object to be lifted.

Lateral lifting clamps

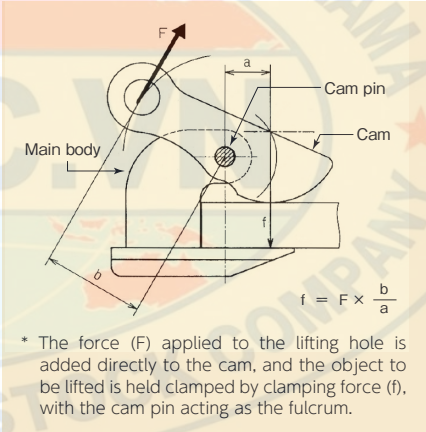
Designed to clamp objects using a serrated cam and a round serrated swivel jaw. The locking device presses against the cam with the aid of a spring. The clamping force is proportional to the load being lifted.



* The force (F) applied to the lifting shackle is added directly to the cam, and the object to be lifted is held clamped by clamping force (f), with the cam pin acting as the fulcrum.

Horizontal lifting clamps

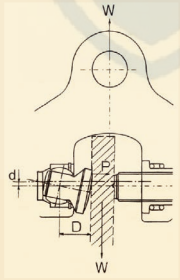
This product eliminates any instability that can occur due to tilting and the vertical shock loading experienced by conventional Hackers that are used to transport objects horizontally. Its construction presses the cam down on the object from above. The cam pressing force is proportional to the load being lifted.



* The force (F) applied to the lifting hole is added directly to the cam, and the object to be lifted is held clamped by clamping force (f), with the cam pin acting as the fulcrum.

Screw clamps

When the load of the object to be lifted is applied to this product, the swivel jaw will tilt and protrude at the same time, to clamp the object firmly. This makes it possible to lift an object in any direction.

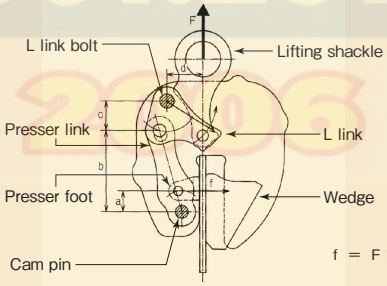


* When lifting or pulling, as shown in the drawing, the swivel jaw will tilt due to the friction force applied due to the initial load and by the lifting load (W). It will produce clamping force (P). This force is about two to three times the weight of the load being lifted.

$P \fallingdotseq \frac{D}{d} \times W \times k$

Non-marring clamps

Designed to grasp an object to be lifted between a flat presser foot and a wedge thus preventing the object being lifted from being marred. In case of an emergency, it has a mechanism that activates a stopper cam. The clamping force is a minimum of five times the weight of the load being lifted.



* The opening is adjusted by moving a wedge, according to the thickness of the object to be lifted. The load applied to the lifting shackle generates clamping force (f) through the L link and clamping arm.

Advice for selecting a clamp

1 Selecting the type and models

Select a type (for example, for vertical lifting) and a model (for example, Model E), according to the intended application and the materials to be lifted (steel plates, shaped steel, etc.).

2 Selecting the working load limit and thickness

Select the working load limit according to the weight of the materials to be lifted, or the weight limits of the lifting points. Select the working thickness according to the thickness of the materials or the width of the positions for attachment.

The mechanisms and principles of Eagle clamps are fully applicable to the normal use of clamps for lifting steel. Before using any of our clamps, be sure to read the instruction manual thoroughly for each product.

SAFETY ADVICE

Control and checking for clamps

The first step to eliminate disasters is to check and control clamps.
Additionally, to improve labor efficiency and the service life of clamps and to reduce the cost, observe the following points.

Points of correct control

1 Indoor storage by application

- After work, do not leave clamps outdoors.
- Be sure to store them by application.

2 Careful checking and maintenance

- Be sure to check clamps before starting work and service them at the end of a work period.
- Check and service clamps regularly whether the clamps are used or not. (At least once a month)
- When checking or servicing clamps, be sure to lubricate them.

3 Use of dangerous clamps is strictly prohibited.

- Deformed or damaged clamps should not be used. They should be replaced promptly.
- Before starting work, be sure to check the inspection label (classified by month) of each clamp.

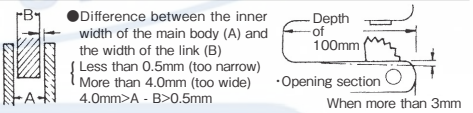
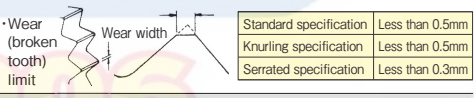
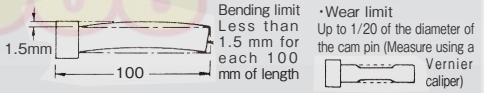
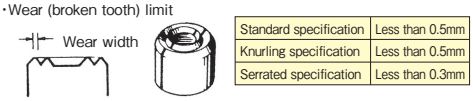
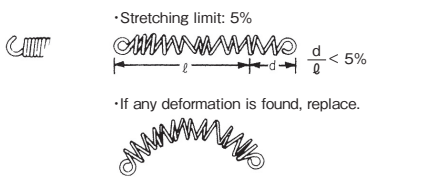
4 Early replacement

- It is dangerous to use replaceable parts until the very limit of what is permissible.
- In the field, where hard objects are being lifted or clamped, or where many steel plates with the same thickness are being handled, replace the toothed plates and swivel jaws ahead of schedule.

Checking standard

The following table is a set of safety standards for checking clamps.
If even one item in the table applies to your clamps, stop using them and contact us.

〈 Table for checking standards 〉

Places to be inspected		Items to be checked	Simple checking methods and dangerous symptoms	Working limit (Clamps which exceed the working limit should be replaced or disposed of.)
Main body		Deformation・cracks	・When the lifting shackle operates under no load, it does not move smoothly. ・When the difference between the inner width of the main body and the width of the link increases or decreases ・Extended or worn openings ・Worn or deformed lifting shackle pin guide grooves	
Main body bolt		Bent bolts	・When bolts are tightened, looseness or slippage occurs.	
Main body pin		Bent pins・faulty welding	・Deformed main body or cracks on the welded section (in at least two places)	
Lifting shackle		Bending・twist・stretching	・If the lifting shackle moves with the locking device applied, and the movement is greater than 2 mm (standard) in the vertical direction, it indicates stretching.	A bend of 10 degrees or more, stretching, the wear is 5% or more, or twisting occurs, further lifting is not allowed.
Cam (toothed plate)		Wear・clogging・broken tooth	・No tooth marks are left on objects that are lifted. (Wear) ・Cannot be used if more than one broken tooth is found on the cam.	
Cam pin・lifting shackle pin		Bending・wear	・When the cam pin is rotated, the cam vibrates. (Bending) ・The lifting shackle or cam is loose. (Wear)	
Swivel jaw		Wear・clogging・broken tooth	・No tooth-marks are left on objects that are lifted. (Wear) ・Cannot be used if clogging due to paint or other coatings is found. ・Cannot be used if more than one broken tooth is found on the outer ring teeth.	
Cam pin hole・lifting shackle pin hole		Stretching・wear・deformation	・The lifting shackle or cam is loose.	
Locking device	Spring	Stretching・deformation・reduction in tension	・When the opening section is closed under no load and the locking device is engaged, the spring does not work properly and comes off easily. ・When an object to be lifted is inserted into the opening section and the locking device is engaged, it is difficult to lock the device.	
	Locking bolt Bolt hole	Wear・deformation・stretching	・Even if the spring is replaced, it does not work properly and comes off easily.	

* The table above is a checking standard only for cam clamps. For non-marring and screw clamps, be sure to see each instruction manual.

SAFETY ADVICE

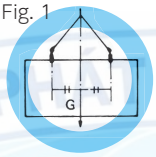
To use clamps safely

More than 90% of clamp accidents are caused by incorrect handling or use.
Special attention is required when the work is familiar or clamps become old.
For your own safety, read the following precautions carefully, and be careful not to use clamps improperly and dangerously.

Precautions common to every type of clamp

❶ Check loads before working

Fig. 1



- Check the weight of a load and its center of gravity. (Fig. 1)
- When lifting long materials, take special care to calculate the center of gravity in the lateral (side to side) direction. If you do not, it is dangerous. (Fig. 2)

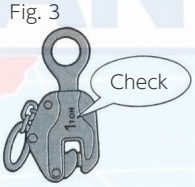
Fig. 2



- If oil or water is found on the load, be sure to wipe it off.

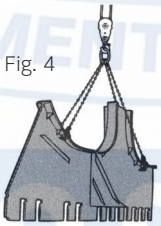
❷ Use clamps suitable for the working conditions.

Fig. 3



- Select clamps according to the mechanism and capacity suitable for the load.
- Be sure to use clamps within the maximum working load and effective thickness limits. (Fig. 3)
- It is dangerous to lift a load whose thickness exceeds the maximum specified thickness.
- It is dangerous to lift a load whose weight exceeds the working load limit.
- When lifting loads whose surface is slippery due to oil, paint, etc., use new clamps.
- If the load is very light, use clamps for lifting lightweight loads.
- When lifting loads in a diagonal direction, use all-direction screw clamps SBB and SBN. (Fig. 4)

Fig. 4



- When lifting long materials vertically (length more than 10 times the width), also use Models SBB and SBN. (Fig. 5)

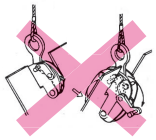
Fig. 5



- Do not use clamps instead of hooks.
- Never use clamps if they have been subjected to an impact load.

❸ Checking and precautions when attaching clamps

Fig. 6

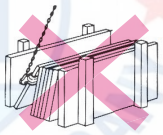


- Determine the position to attach clamps so that the lever (or latch) on the locking device will not touch the wire, chain, lifting shackle, or other objects when lifting or lowering. (Fig. 6)
- Make sure clamps are attached at positions higher than the center of gravity of objects.
- Make sure objects are fully inserted into clamps.
- Make sure that the locking device (latch or lever) has been engaged securely.
- Always determine positions for attachment taking into account where the load will be set down. Loads which are unstable especially when set down are dangerous.

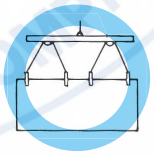


To be inserted fully

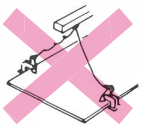
❹ Precautions and forbidden items for work



- It is dangerous when steel plates which are to be placed in a vertical position are clamped from the side and raised.



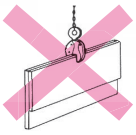
- When lifting one steel plate using at least three clamps, pay special attention to unbalanced loading. Also be careful because there are cases where either clamp will have no load. In this case, use a balance, block loader, etc.



- Use proper lifting wires and chains. Before lifting, check for twists or kinks.
- Be sure to use clamps only for lifting in an appropriate direction for the clamp.



- It is dangerous to lift several different objects using separate clamps suspended from one hook.



- It is dangerous to lift more than one steel plate with one clamp.

❺ Precautions when lowering and setting down



- Pay attention to an impact load when turning over an object.
- Operate a crane slowly so that a great impact is not given to clamps.
- When objects to be lifted have a shape such as shown in the drawing, be sure to use blocks to prevent them from toppling over.
- Special care should be taken not to allow clamps which have been removed from an object to strike the object.

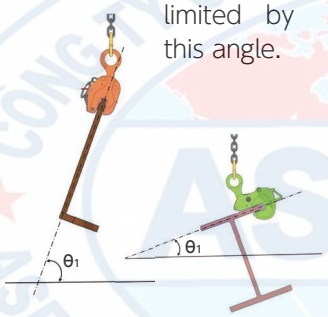
SAFETY ADVICE

Sling angles of clamps

Depending on the working conditions of the clamps, the following angles and their limits should be observed.

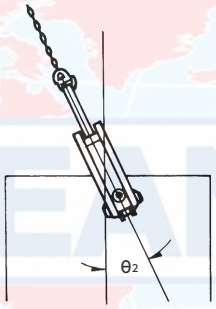
Clamping angle θ1

When the object is lifted and the clamp main body is viewed from the side, the clamping angle is the angle at which the center line of the opening section intersects the horizontal line. The load that can be lifted is limited by this angle.



Mounting angle θ2

When a clamp is attached to an object or the object is lifted, the mounting angle is the angle at which a line at right angles to the edge of the object intersects the center line of the thickness of the clamp main body.



Diagonal angle θ3

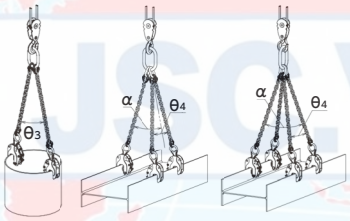
Angle at which wire ropes or chains intersect when an object is lifted

Sling width angle θ4

In three-point and four-point lifting, angle at which the clamp positions are close to each other

Maximum lifting angle α

In three-point lifting, it should be a “diagonal angle”.
In four-point lifting, it should be an “angle in a diagonal direction”.



Tilt angle of an object to be lifted θ5

When clamps are used in a row in the right conditions, the angle of the edge or upper side of the object is the tilt angle.

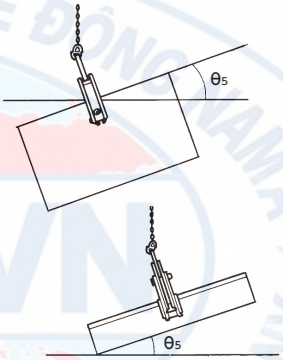


Table of sling angles by type

The following table shows the sling angle limits (maximum) by type and by model. For safety while working, please work within the allowable range.

Type		Model	Clamping angle θ1	Mounting angle θ2	Diagonal angle θ3	Sling width angle θ4	Tilt angle of the object to be lifted θ5	Diagonal angle in 3-point lifting Angle in a diagonal direction in 4-point lifting α
Vertical lifting clamps		E、SL、RS、WOL、ET	45～135	0±5	60	60	30	60
		SLT、RST	45～135	0±5	60	60	30	60
		NE、NNE、NNEⅡ、NNEⅡ L	45～135	0±5	60	20	10	60
		NEC	45～135	0±5	60	20	10	60
Lateral lifting clamps		G、GT、GC、GD、GL、AMS、VAR、AMN	0～45	0±5	60	30	15	60
		VA、VAS、VAN、VANL	0～45	0±5	30	30	15	30
		BMB、GNE	0～30	0±5	60	20	10	60
Horizontal lifting clamps		HO、HOW、HOS	−15～0	0±5	30～60	30	5	30～60
		VAF、VAFS	−15～5	0±5	60	30	5	60
		EH、FHA	0	0±5	60	30	5	–
Screw clamps		SBB、SBb、SBN	−90～90	0±5	60	60	90	60
Special clamps	For bulb plates	BCR、BCL	45～135	0±5	60	30	15	60
	For sheet pilings	SP	–	0±2.5	60	30	90	60
		PE	90±5	0±5	60	30	15	60
	For columns	CCV	90±5	0±5	60	30	15	–
		CCL	0±5	0±5	60	30	15	–
	For pipes	KH、PCL	90±5	0±5	60	30	45	–
	For drums	DL	90±5	0±5	60	30	15	–
		DLW、DLWO	90±5	0±2.5	30	30	5	–
		DLV、DLVL	–	–	–	–	–	–
	For rails	RCA、RCAL	45～90	0±5	60	30	15	–
Hole lifting jigs		LSC	90	0±45	60	60	45	–

⚠ **If a clamping angle of -90° is used, there is a danger that the clamp may come off due to its own weight in a no-load condition.**

* For clamps and details that are not listed in the table above, refer to each instruction manual.

Memo

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