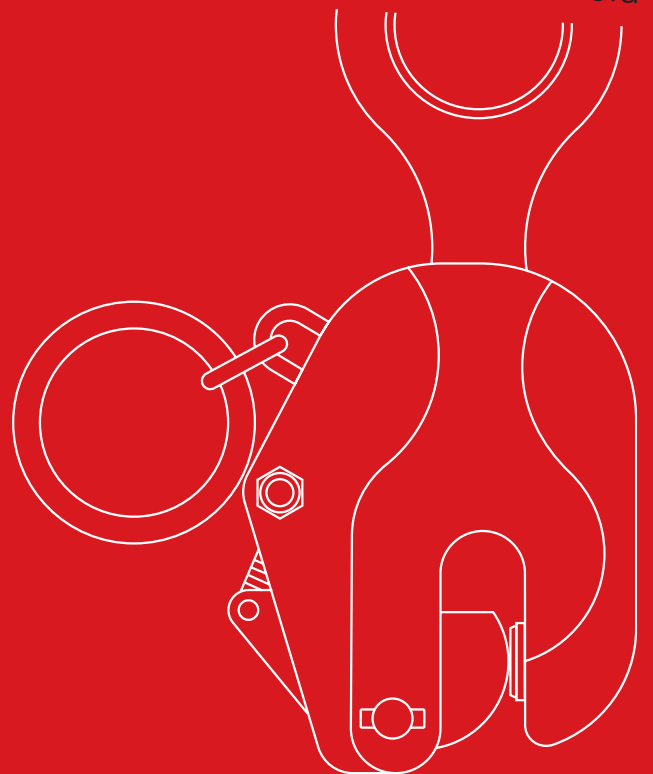




Assurance

Clamps that assure a strong grip and superior hold



PWB
ANCHOR

The lifting equipment specialists

LIFTING CLAMPS



The largest range of lifting clamps to suit your lifting challenges

PWB Anchor have a large comprehensive range of high quality lifting clamps designed to give reliable lifting of most materials.

Whatever the challenge, whether it is mild steel, stainless steel or hardened grade steel, PWB Anchor Clamps rise to the application.

The range includes

- Vertical & Horizontal lifting Clamps
- Pipe & Concrete lifting Clamps
- Vertical non-marring Clamps
- Multi-directional Screw Clamps
- Lateral lifting Clamps
- Drum lifting Clamps
- Rail lifting Clamps

Standard Features

- Strong robust design
- Conforms to AS 4991-2004
- Design WLL 5:1 ratio
- Wide range to suit most applications
- Australia wide support network
- Used internationally

Every care has been taken to ensure the accuracy of information contained in this document which supersedes earlier publications, however PWB Anchor Ltd shall not be liable for any loss or damage howsoever caused arising from the application of such information.

PWB Anchor Ltd maintains a policy of progress development of products and reserves the right to alter without notice, the specifications shown within this document.

Horizontal Plate Clamps



MODEL HO

- Must be used in pairs for horizontal lifting
- High tensile steel main body
- Spring closed action on 1 tonne WLL unit (pictured)
- Sprung open on 2t & 3t WLL units
- Conforms to AS4991-2004

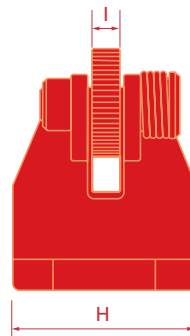
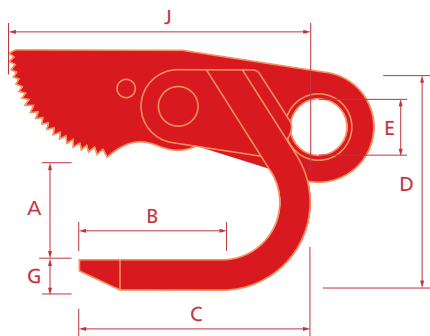
Part No	WLL per pair (tonnes)	Set (comprising)	Effective Thickness (mm)	Weight (kg)
44922	1.0	2 x HO-0.5t	10-50	8.0
44923	2.0	2 x HO-1.0t	10-50	15.0
44924	3.0	2 x HO-1.5t	10-50	22.0



MODEL HPC

- Must be used in pairs for horizontal lifting
- Spring closed action on 1.5 tonne WLL unit (pictured)
- Sprung open on 3t & 5t WLL units
- Conforms to AS4991-2004

Part No	WLL per pair (tonnes)	Set (comprising)	Effective Thickness (mm)	Weight (kg)
49669	1.5	2 x 750kg HPC	10-50	8.0
49670	3.0	2 x 1.5t HPC	10-50	15.0
49671	5.0	2 x 2.5t HPC	10-60	29.0



Part No	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)
44922	56	80	126	126	32	92	16	100	16	206
44923	65	95	185	145	36	142	29	110	19	240
44924	67	115	210	160	40	160	36	120	22	267
49669	55	82	127	127	30	50	16	100	16	38
49670	52	130	220	157	36	142	32	110	19	47
49671	60	155	260	181	40	172	40	130	22	60

Multi Directional Lifting Clamps

MODEL SBB



- Patented unique 'torque confirmation device' (visible red ring indicates when tightening force is achieved)
- For horizontal and vertical lifting applications
- Spring type pressure lock locking device
- Twin shackle allows movement in both directions
- Double safety feature with screw type vise and automatic clamping mechanism
- Main body forged special alloy steel with galvanised finish
- Clamp screw and swivel jaw made of alloy steel and induction hardened
- Tightening force must be minimum of 150kgf-cm
- Conforms to AS4991-2004

Part No	Model	WLL (tonnes)	Hardness Range	Effective Thickness (mm)	Weight (kg)
44925	SBB-05	0.5	Hv 85-320	1-25	1.8
44926	SBB-1	1.0	Hv 85-320	1-40	4.0
44927	SBB-2	2.0	Hv 85-320	1-40	7.6
43497	SBB-3	3.0	Hv 85-320	5-35	8.3
43496	SBB-5	5.0	Hv 85-320	10-40	14.3

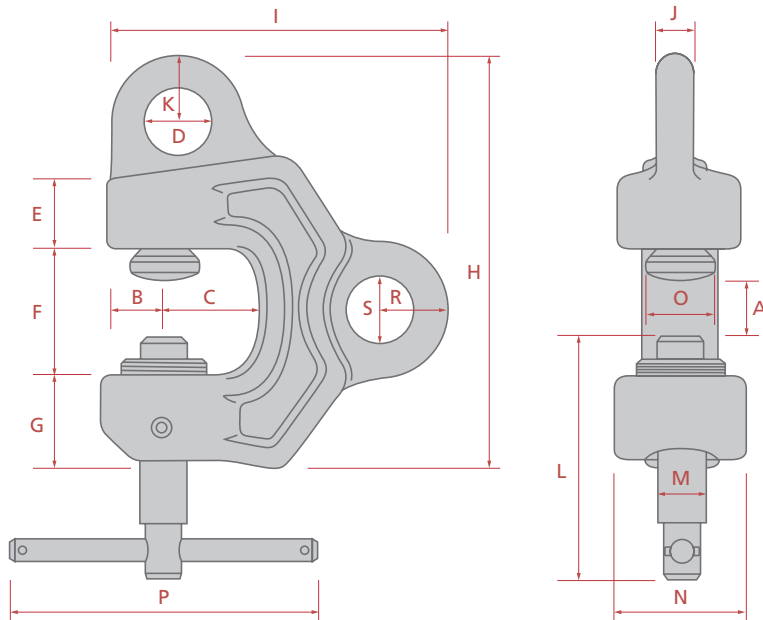
MODEL SBBA



- Patented unique 'torque confirmation device' (visible red ring indicates when tightening force is achieved)
- Suitable for most bisalloy steel
- Spring type pressure lock locking device
- Twin shackle allows movement in both directions
- Double safety feature with screw type vise and automatic clamping mechanism
- Main body forged special alloy steel
- Clamp screw, edge pad and swivel jaw made of alloy steel and induction hardened
- For steel plate with higher hardness range
- Tightening force on SBBA must be minimum of 300kgf-cm
- Conforms to AS4991-2004

Part No	Model	WLL (tonnes)	Hardness Range	Effective Thickness (mm)	Weight (kg)
44932	SBBA-05	0.5	Hv 85-600	1-25	1.8
49600	SBBA-1	1.0	Hv 85-600	1-40	4.0
49601	SBBA-2	2.0	Hv 85-600	1-40	7.6
49602	SBBA-3	3.0	Hv 85-600	5-35	8.3

Larger models and sizes available on request



Model	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	O (mm)	P (mm)	Q (mm)	R (mm)	S (mm)
SBB-05	23	25	27	22	41	29	140	112	15	24	96	20	46	26	150	15	24	27
SBB-1	30	45	32	31	61	46	203	166	18	34	124	24	55	36	150	22	34	32
SBB-2	37	43	36	44	66	46	218	185	25	38	134	32	74	44	150	25	36	32
SBB-3	40	47	45	40	60	60	240	170	30	43	137	36	80	50	150	30	30	31
SBB5	48	55	50	45	70	70	276	213	35	47	150	40	96	60	150	35	45	37
SBBA-05	23	25	27	22	41	29	140	223	15	24	96	20	46	26	150	15	24	27
SBBA-1	30	45	32	31	61	46	203	166	18	34	124	24	55	36	150	22	34	32
SBBA-2	37	43	36	43	66	45	210	183	25	38	134	32	70	44	150	25	36	32
SBBA-3	40	47	45	40	60	60	240	170	30	42	137	36	80	50	150	30	30	31



Vertical Plate Clamps



MODEL E

- Induction hardened special alloy steel cam
- High tensile steel main body
- Crack resistant welded construction
- Lightweight, easy to use, safety lock latch
- Designed in accordance with the Ship Building Industrial Association
- Allows for higher grade steel
- Conforms to AS4991-2004

Part No	Model	WLL (tonnes)	Hardness Range	Effective Thickness (mm)	Weight (kg)
43283	E-1t	1.0	Hv 85-320	3-20	3.6
43284	E-1t	1.0	Hv 85-320	3-30	4.3
43286	E-2t	2.0	Hv 85-320	3-30	5.7
43287	E-3t	3.0	Hv 85-320	3-35	9.0
43290	E-5t	5.0	Hv 85-320	5-45	16.7

* Smaller units available on request

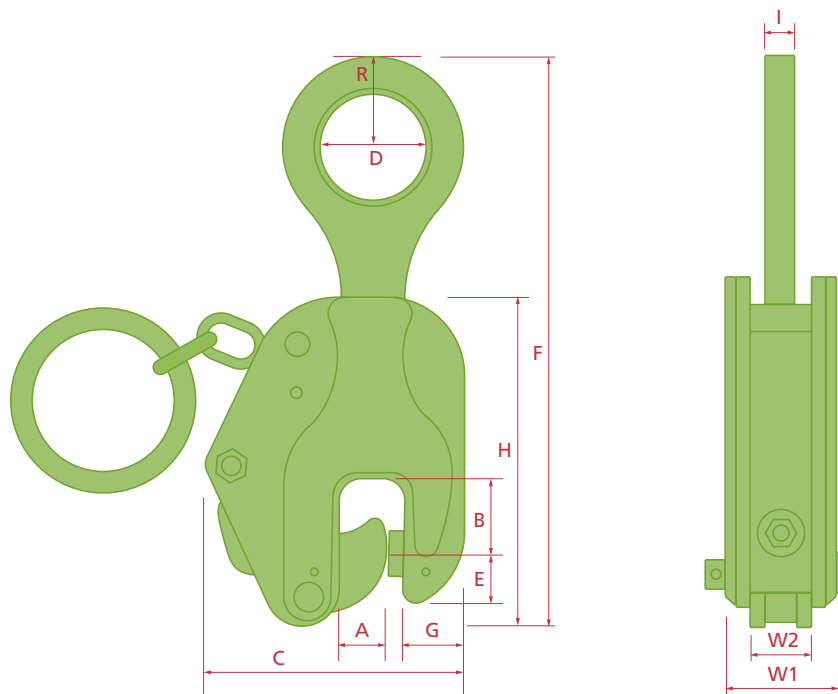
* Clamps with wider jaw openings also available



VPC

- Rigid steel construction
- Includes safety lock latch
- Conforms to AS4991-2004

Part No	Model	WLL (tonnes)	Hardness Range	Effective Thickness (mm)	Weight (kg)
49311	1t VPC	1.0	Hv 85-400	3-20	3.9
49667	2t VPC	2.0	Hv 85-400	3-30	6.0
49668	3t VPC	3.0	Hv 85-400	3-35	9.8



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	R (mm)	W1 (mm)	W2 (mm)
E-1t	23	36	124	50	24	225–265	33	155	12	38	51	30
E-1t	34	45	141	50	25	240–295	35	180	12	38	51	30
E-2t	35	45	153	60	30	270–320	40	194	14	44	60	36
E-3t	40	50	175	60	35	315–375	45	226	19	50	68	40
E-5t	50	50	218	65	45	380–440	57	260	22	55	76	44
1t VPC	25	37	125	50	24	275	30	156	14	38	53	31
2t VPC	36	45	155	60	30	320	51	194	15	44	60	35
3t VPC	40	47	175	60	36	380	58	227	20	51	68	39



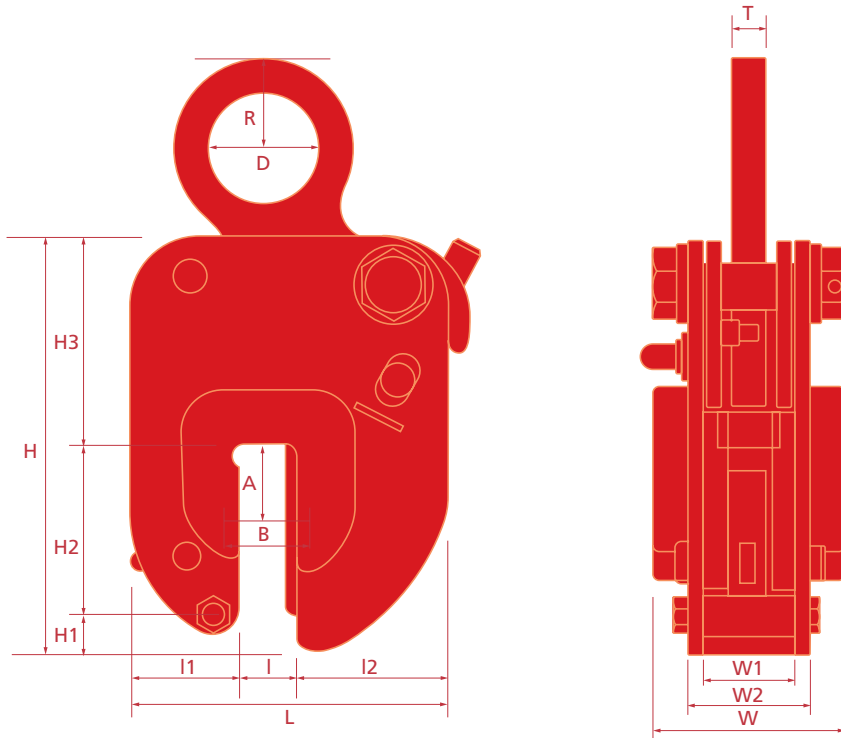
Non Marring Vertical Plate Clamp

MODEL NE



- Wedge clamp method using a handle
- Stopper cam locking mechanism to prevent slippage
- Screw type wedge clamping mechanism with smooth rotation
- Guide pin which allows visual indication of locking

Part No	Model	WLL (tonnes)	Hardness Range	Jaw Opening (mm)	Effective thickness (mm) Min-Max	Weight (kg)
45005	NE-0.5t	0.5	Hv 85-250	0-20	3-20	5.8
45006	NE-1t	1.0	Hv 85-250	5-25	5-25	8.6
45007	NE-2t	2.0	Hv 85-250	5-30	5-30	15.1
45008	NE-3t	3.0	Hv 85-250	10-35	10-35	23.6



Model	I (mm)	I1 (mm)	I2 (mm)	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H (mm)	W1 (mm)	W2 (mm)	W (mm)	D (mm)	R (mm)	T (mm)	A (mm)	B (mm)
NE-0.5t	25	55	68	148	18	78	99	195	36	48	60	50	40	12	40	40
NE-1t	31	60	80	171	27	88	110	225	43	55	71	50	45	16	50	50
NE-2t	36	71	91	198	26	107	133	266	54	71	87	60	55	19	50	60
NE-3t	40	85	100	225	35	110	155	300	62	82	102	60	55	19	60	60

Drum Clamps

Three designs are available to provide safe, fast lifting and repositioning of 210 Litre (44 gallon) drums, with or without lids. The drum clamps are available as:

- **Vertical drum clamp** (for drums with a lid)
- **Horizontal drum clamp** (for drums with a lid)
- **Vertical drum tong** (for drums without a lid)
- Main body made of high tensile steel with welded construction that is resistant to cracks
- Design factor 5:1
- Manufactured in accordance with test requirements of AS4991-2004
- Epoxy painted finish



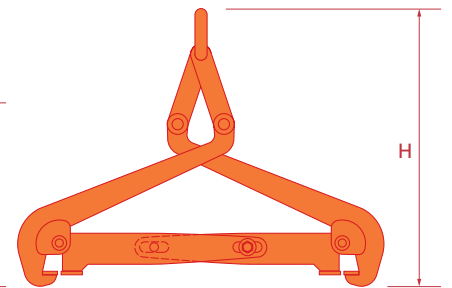
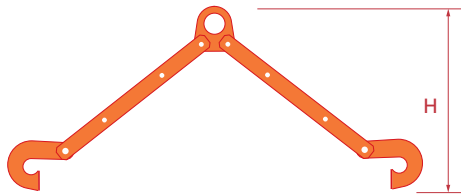
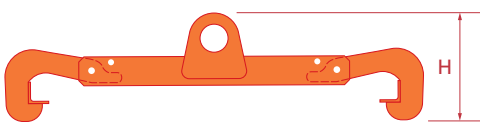
Vertical Drum Clamp



Horizontal Drum Clamp



Vertical Drum Tong



Model	Part No	Capacity (kg)	Drum size (L)	Headroom (mm) H	Suspension hole Dia (mm)	Weight (kg)
Vertical Drum Clamp	44274	500	200	152	50	5
Horizontal Drum Clamp	44275	500	200	470	50	5
Vertical Drum Tong	44276	500	200	520	Shackle	14

Precautions for the use of PWB Anchor Lifting Clamps

Important: Before using PWB Anchor Lifting Clamps be sure to read the instruction manual

Checking loads before working

- Ascertain the weight of a load and its centre of gravity.
- When lifting a load longer than 1m, calculate the centre of gravity in the lateral (side to side) direction.
- Ensure the load is free of oil and water.

Use clamps suitable for the working load

- Select clamps according to the mechanism and capacity necessary for loads.
- Use clamps within the specified capacity (maximum working load and opening size).
- Do not lift loads that have a thickness less than ¼ the maximum clamp opening size.
- Match the clamp working load capacity to the weight of the load. A load should weight at least ⅓ of the working load weight for the clamp.
- When lifting loads whose surface is slippery (e.g. due to oil) use new clamps
- When lifting a load of less than 150kg use different light load type clamps.

- When lifting diagonal materials use a model SBB clamp and refer to the instructional manual for the correct lifting procedure.
- When lifting long materials vertically (more than 10 times in length/width) use the model SBB clamp vertically and refer to the instructional manual for the correct lifting procedure.
- Do not use clamps instead of hooks.
- Never use clamps that have been hit hard or had impact type loads placed on them.

Checking and precautions when attaching clamps

- Determine the position to attach clamps so that the safety lock lever (or clutch) does not touch the wire, chain, lifting shackle, or other objects when lifting or lowering.
- Ensure clamps are attached at a position higher than the centre of gravity of objects.
- Make sure clamps are set close together on the load
- Make sure that the safety lock (latch or lever) has been set securely.
- Always determine positions for attachment taking into account where the load will be set down. Loads which are unstable especially when set down and dangerous.

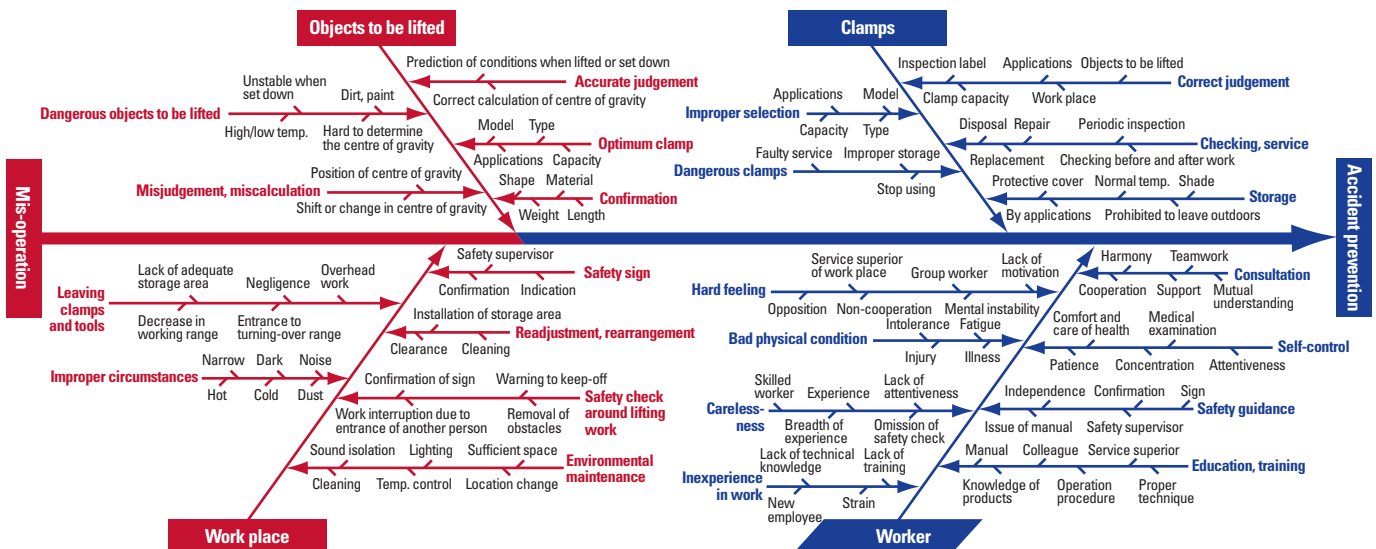
Precautions and forbidden items for work

- Do not clamp steel plates from the side if they are to be raised vertically.
- When using many points for lifting pay attention to unbalanced loads.
- When lifting heavy or long objects (more than 1m) ensure to apply 2- to 4-point lifting
- Use proper lifting wires and chains. Before lifting check for twists and kinks
- Use clamps with the correct orientation.
- Do not lift several different objects using separate clamps suspended from one hook.
- Do not lift more than one steel plate with one clamp

Precautions when lowering and setting down

- Anticipate the impact load where you will be lowering the object.
- Operate a crane slowly to reduce the chance of high impact on the clamps (loading shock).
- After removing clamps from objects ensure that they do not collide with each other.

Clamp accident prevention chart



		
<p>Model G Lifting shape steel</p>	<p>Model KH Non marring – Lifting pipe</p>	<p>Model AMS Lifting and erecting shape steel</p>
		
<p>Model BM Non marring – lifting shape steel</p>	<p>Model VAN Lifting shape steel</p>	<p>Model BMB Non marring – Lateral lifting</p>
		
<p>Model NEC Lifting and turning over steel plates</p>	<p>Model ECH Hand or machine lifting concrete</p>	<p>Model SLT Lifting and turning over steel plate</p>

PWB Anchor has an extensive range of lifting clamps to suit almost every application, with solutions for lifting pipes, columns, concrete and panels.



Securing a reputation for excellence

Since 1923 PWB Anchor has been recognised as Australia's undisputed leader in the manufacture and supply of premium quality chain and lifting equipment. With a vast distribution network, extensive stock holdings and spare parts, ISO 9001 accreditation and superior technical back-up, PWB Anchor provides the total lifting package to industry – unmatched Australia wide.

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