

VERTICAL CLAMPS

The Crosby Group, Inc.

Universal - For Lifting in any Direction



IPU10

The IPU10 vertical lifting clamp is used for the lifting, turning, moving or vertical transfer of sheet, plates, or fabrications from horizontal to vertical and down to horizontal (180°) as needed. The hinged hoisting eye allows for the clamp to place and lift the load from any direction, or with a multiple leg sling without side-loading the clamp.

- Available in capacities of .5 thru 30 metric tons (Higher Working Load Limits are available upon request).
- Wide variety of jaw openings available: 0" to 6.13".
- Welded alloy steel body for strength and smaller size. Forged alloy components, where required.
- Individually Proof Tested to 2 times the Working Load Limit with certification.
- Company name (CrosbyIP), logo, Working Load Limit and jaw opening permanently stamped on body.
- Each product is individually serialized, with the serial number and Proof Load test date stamped on body. Serial number is included on the test certificate with maintenance and warranty logbook.
- Full 180° turning range for material transfer, turning or moving.

Load Rated

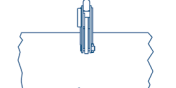
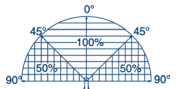
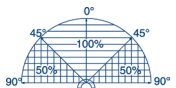
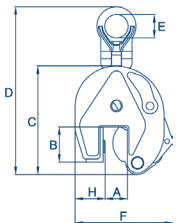


- Available in a variety of styles:
 - IPU10 - Standard clamp for materials with a surface hardness to 37Rc (345HB)
 - IPU10J - Larger jaw opening.
 - IPU10S - For use with Stainless Steel material.
 - IPU10H - For use with materials with a surface hardness to 47Rc (450HB).
- Lock open, lock closed ability with latch for pretension on material and then release of material.
- Optional IP-5000 Stinger assembly available (see page 420). Allows for easy connection between the clamp and hoist hook.
- Minimum WLL of 10% of Maximum WLL.
- Maintenance replacement kits are available.
- Manufactured by a ISO 9001 facility.
- All sizes are RFID EQUIPPED.



IPU10S

IPU10S: For use on Stainless Steel material.
IPU10H: For use on materials with a surface hardness to 47Rc (450 HB).



Model IPU10

Model	Working Load Limit (t)*	IPU10 Stock No.	Weight Each (lbs.)	Dimensions (in.)									
				Jaw A	B	C	D	E	F	G	H	J	K
IPU10	0.5	2701675	4.19	0 - .63	1.73	5.04	8.98	1.57	4.53	1.61	1.10	—	.43
IPU10	1	2701663	5.29	0 - .75	1.77	5.47	8.74	1.57	4.96	1.61	1.50	—	.43
IPU10	2	2701677	18.7	0 - 1.38	3.07	7.91	14.65	2.76	7.48	2.40	2.17	—	.63
IPU10	3	2701665	32.6	0 - 1.56	3.94	9.96	17.52	2.95	8.86	3.07	2.36	—	.79
IPU10	4.5	2701667	35.3	0 - 1.56	3.94	9.96	17.52	2.95	9.13	3.23	2.56	—	.79
IPU10	6	2701669	53.0	0 - 2.00	4.96	11.89	20.67	3.15	11.50	3.31	3.74	1.73	.79
IPU10/J	6	2702469	67.3	2.00 - 4.00	4.96	11.89	20.67	3.15	13.46	3.31	3.74	1.73	.79
IPU10	9	2701671	65.0	0 - 2.00	4.96	12.80	21.93	3.15	12.20	3.62	4.13	1.73	.79
IPU10/J	9	2701673	67.2	2.00 - 4.00	4.96	12.80	22.13	3.15	14.17	3.62	4.13	1.73	.79
IPU10	12	2701679	126	0 - 2.13	6.30	15.39	24.53	3.15	13.03	4.61	5.39	1.61	.98
IPU10/J	12	2701681	130	2.13 - 4.25	7.01	17.28	26.50	3.15	16.34	4.61	5.39	1.61	.98
IPU10	16	2701683	159	.25 - 2.50	7.01	18.31	28.90	3.46	15.63	4.69	6.02	1.77	.98
IPU10/J	16	2701685	187	2.50 - 5.00	8.19	20.51	31.10	3.46	18.58	4.69	6.34	1.77	.98
IPU10	22.5	2701687	280	.25 - 3.13	8.74	21.81	33.66	4.33	18.50	5.35	7.32	1.93	.98
IPU10/J	22.5	2701689	287	3.13 - 6.13	9.96	24.72	36.61	4.33	22.64	5.35	7.72	1.93	.98
IPU10	30	2701691	337	.25 - 3.13	8.74	21.46	33.86	4.33	18.50	5.98	7.32	2.73	1.18
IPU10/J	30	2701693	364	3.13 - 6.13	9.84	24.41	36.81	4.33	22.24	5.98	7.72	2.13	1.18
For stainless steel - with universal hoisting eye													
IPU10/S	0.5	2702275	4.19	0 - .63	1.73	5.04	8.98	1.57	4.53	1.61	1.10	—	.43
IPU10/S	1	2702263	4.63	0 - .75	1.77	5.47	8.74	1.57	4.96	1.61	1.50	—	.43
IPU10/S	2	2702277	16.8	0 - 1.38	3.07	7.91	14.65	2.76	7.48	2.40	2.17	—	.63
IPU10/S	3	2702265	32.7	0 - 1.56	3.94	9.96	17.52	2.95	8.86	3.07	2.36	—	.79
IPU10/S	4.5	2702267	35.3	0 - 1.56	3.94	9.96	17.52	2.95	9.13	3.23	2.56	—	.79
IPU10/S	6	2702269	53.0	0 - 2.00	4.96	11.89	20.67	3.15	11.50	3.31	3.74	1.73	.79
IPU10/S	9	2702271	65.1	0 - 2.00	4.96	12.80	21.93	3.15	12.20	3.62	4.13	1.73	.79
IPU10/S	12	2702279	67.3	0 - 2.13	6.30	15.39	24.53	3.15	13.03	4.61	5.39	1.61	.98
For very hard materials - with universal hoisting eye													
IPU10/H	0.5	2702175	4.19	0 - .63	1.73	5.04	8.98	1.57	4.53	1.61	1.10	—	.43
IPU10/H	1	2702177	16.8	0 - 1.38	3.07	7.91	14.65	2.76	7.48	2.40	2.17	—	.63
IPU10/H	2	2702165	32.7	0 - 1.56	3.94	9.96	17.52	2.95	8.86	3.07	2.36	—	.79
IPU10/H	3	2702167	35.3	0 - 1.56	3.94	9.96	17.52	2.95	9.13	3.23	2.56	—	.79
IPU10/H	4.5	2702169	53.0	0 - 2.00	4.96	11.89	20.67	3.15	11.50	3.31	3.74	1.73	.79
IPU10/H	6	2702171	65.1	0 - 2.00	4.96	12.80	21.93	3.15	12.20	3.62	4.13	1.73	.79

* Design Factor based on EN 13155 and ASME B30.20.

BEAM CLAMPS

The Crosby Group, Inc.

For the Transfer of Steel Beams and Attachment of Tackle Eye



IPTK

This IPTK series beam clamp is suitable for use as a temporary tackle eye for a beam.

- Available in capacities of 2 thru 25 metric tons.
- Wide variety of jaw openings available: 3" to 40".
- Welded alloy steel body for strength and smaller size. Forged alloy components, where required.
- Individually Proof Tested to 2 times the Working Load Limit with certification.
- All sizes are RFID EQUIPPED.
- Company name (CrosbyIP), logo, Working Load Limit and jaw opening permanently stamped on body.
- Each product is individually serialized, with the serial number and Proof Load test date stamped on body. Serial number is included on the test certificate with maintenance and warranty logbook.
- Maintenance replacement parts are available.
- Manufactured by a ISO 9001 facility.

Model IPTK: With Hoisting Eye

Model IPTKW: Without Hoisting Eye

Model IPTKU: With Hinged Hoisting Eye



IPTKW

This IPTKW series beam clamp is suitable for use as a temporary tackle eye for a beam.

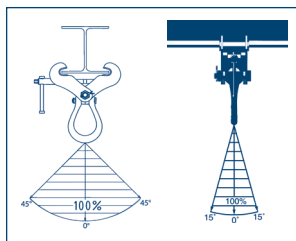
Model	Working Load Limit (t)*	Stock No.	Weight Each (lbs.)	Dimensions (in.)								
				Jaw A	C	D	E	F	H	J	K	
IPTK	2	2700996	13.2	3.00 - 7.50	A + 3.13	4.92	2.95	-	.98	-	.79	
IPTK	3	2700997	14.3	3.00 - 7.50	A + 3.13	4.92	2.95	-	.98	-	.79	
IPTK	4	2700998	18.7	5.88 - 11.25	A + 4.00	4.92	2.95	-	1.38	-	.79	
IPTK	5	2700994	24.3	4.75 - 13.75	A + 7.67	4.92	2.95	-	1.57	-	.79	
IPTK	10	2700970	68.3	11.75 - 19.70	A + 11.75	6.98	2.91	-	1.57	-	1.18	
IPTK	25	2702999	496	18.00 - 40.00	A + 8.66	19.69	4.92	-	2.99	-	1.77	
Without Hoisting Eye												
IPTKW	2	2700966	8.82	3.00 - 7.50	A + 3.13	4.92	-	1.10	.98	-	-	
IPTKW	3	2700967	9.92	3.00 - 7.50	A + 3.13	4.92	-	1.10	.98	-	-	
IPTKW	4	2700968	13.9	5.88 - 11.25	A + 4.00	4.92	-	1.30	1.38	-	-	
IPTKW	5	2700969	19.4	4.75 - 13.75	A + 7.67	4.92	-	1.30	1.57	-	-	
With Improved Hinged Hoisting Eye												
IPTKU	2	2707996	12.8	2.95 - 7.48	A + 3.94	4.76	2.99	-	.87	3.90	.75	
IPTKU	3	2707997	14.3	2.95 - 7.48	A + 3.94	4.76	3.50	-	.87	4.80	.87	
IPTKU	4	2707998	21.8	4.72 - 11.02	A + 5.91	5.51	3.50	-	1.57	4.80	.87	
IPTKU	5	2707994	26.4	4.72 - 13.78	A + 6.89	5.51	3.50	-	1.57	4.80	.87	
IPTKU	10	2707970	83.8	7.87 - 18.11	A + 11.81	7.87	4.13	-	2.36	5.98	1.02	
With Optional Double Locking Device												
IPTKU/D	2	2709996	12.8	2.95 - 7.48	A + 3.94	6.50	3.50	-	.87	3.90	.75	
IPTKU/D	3	2709993	14.3	2.95 - 7.48	A + 3.94	6.50	3.50	-	.87	4.80	.87	
IPTKU/D	4	2709995	21.8	4.72 - 11.02	A + 5.91	7.28	3.50	-	1.57	4.80	.87	
IPTKU/D	5	2709994	26.4	4.72 - 13.78	A + 6.89	7.28	3.50	-	1.57	4.80	.87	
IPTKU/D	10	2709970	83.8	7.87 - 18.11	A + 11.81	9.84	4.13	-	2.36	5.98	1.02	

* Design Factor based on EN 13155 and ASME B30.20.

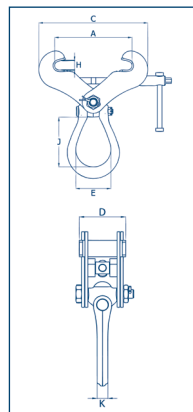


IPTKU

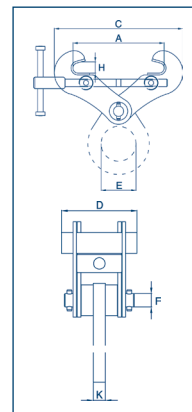
This IPTKU series beam clamp has an improved hinged hoisting eye that increases the loading angles and an optional new "Double Locking Device".



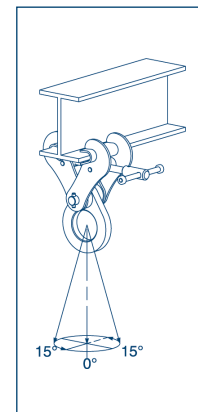
IPTKU



IPTKU



IPTK



IPTKW

GENERAL INFORMATION

J.C. Renfroe & Sons, Inc.

General Information

IMPORTANT: Information contained in this catalog is for the presentation of pertinent illustrative and specification data for use in the selection of suitable RENFROE® products consistent with the use intended by RENFROE®. Refer to Operator's Manuals for information on application, operation and maintenance of each particular model or product.

Photographs of products shown in this catalog which may include examples of applications are for illustrative purposes only. Please refer to the Operator's Manuals for approved applications of RENFROE® products.

OPERATOR'S MANUALS: Prior to purchase and/or use of any RENFROE® product, each purchaser and operator should read and understand fully all of the pertinent instructions and recommendations contained in the Operator's Manuals for the particular product involved. The Operator's Manual contain recommended application, operation and maintenance instructions for all RENFROE® products listed in this catalog. A copy of the Operator's Manuals pertaining to each such product is attached to the product or enclosed within the shipping carton with each product.

TRAINING AIDS: RENFROE® provides upon request and at no charge, training films and slides, posters, inspection kits containing coded inspection tags and maintenance inspection record forms.

RENFROE® factory representatives are also available upon request at no charge to train and assist in establishing the proper use, inspection and maintenance of

RENFROE® products.

INSPECTION AND REPAIR: RENFROE® Factory Representatives are available upon request to inspect RENFROE® products in use at Plant sites or such other reasonable location where such products are in use. RENFROE® products may be returned to the factory for inspection and repair in accordance with an established fee schedule. Neither operators nor maintenance personnel of the user of such products should engage in any modification of any RENFROE® product for any reason. Installation of parts and Repair Kits should be effected only in accordance with instructions included within the Operator's Manual and as furnished with each RENFROE® Repair Kit.

ENGINEERING SERVICE: Our Engineering Department is ready to assist in the solution of special problems and its service is available at all times to our customers.

DELAYS: J.C. RENFROE® & SONS, INC. is not liable for any delays in manufacturing or shipping caused by fire, strikes, lockouts, war, insurrections, inability to secure materials, government interference or regulations, delays in transportation, or other circumstances beyond reasonable control.

RETURN OF GOODS: No goods either standard or special may be returned for credit without written consent.

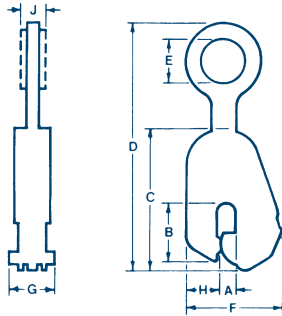
EXCLUSION OF WARRANTY: There exists no warranties neither expressed nor implied which extend beyond the descriptions or statements contained in the face or any part hereof.

1. **DO** consult Operator's Manual or RENFROE® when in doubt. RENFROE® factory representatives are available upon request at no charge to train and assist in establishing the proper use of RENFROE® products.
2. **DO** lock clamp closed before lifting load. **NEVER** lift with Lock in open or "Lock Open" position.
3. **DO** use safety hooks. **NEVER** use a hook that may release clamp.
4. **DO** use an adequate number of clamps to balance load. **NEVER** lift loads that are not balanced.
5. **DO** use clamps within their rated capacity. **NEVER** overload clamp.
6. **DO** inspect clamp before each lift, follow inspection and maintenance instructions and use RENFROE® replacement parts to assure proper operation of the clamp.
7. **DON'T** side load. **NEVER** lift from side with vertical clamp.
8. **DON'T** lift over workmen. **NEVER** lift over Safety Areas or personnel.
9. **DON'T** misuse. **NEVER** lift plate from bottom of plate stack.
10. **DON'T** rush. **NEVER** lift more than one plate at a time with a vertical clamp.
11. **DON'T** improvise. Always use correct clamp for job. **NEVER** lift horizontally with a vertical clamp.
12. **DON'T** use clamp that has been overloaded.
13. **DON'T** alter clamp. **NEVER** grind, weld or modify the clamp in any manner.

VERTICAL CLAMPS

J.C. Renfroe & Sons, Inc.

Model FR Vertical Lifting Locking



Model FR

The Model FR is a vertical lifting tool for relatively light work. It is small and easy to handle in capacities through three tons. It incorporates a "Lock Closed" feature which facilitates attaching the clamp to the plate.

Specifications (In Inches)

CERTEX Cat. Ref. No.	Rated Capacity Tons	Plate Thickness A	B	C	Max. D	E	F	G	H	J	Weight (in pounds)
CX12-0158		0-3/4	2 13/16	7	11 1/4	2 3/8	4 5/8	2 1/2	1 1/2	1/2	8
CX12-0159		1/2-1	2 13/16	7	11 1/4	2 3/8	4 7/8	2 1/2	1 1/2	1/2	8
CX12-0160	1/2	3/4-1 1/4	2 13/16	7	11 1/4	2 3/8	5 1/8	2 1/2	1 1/2	1/2	9
CX12-0161		1-1 1/2	2 13/16	7	11 1/4	2 3/8	5 3/8	2 1/2	1 1/2	1/2	10
CX12-0162		1 1/4-1 3/4	2 13/16	7	11 1/4	2 3/8	5 3/8	2 1/2	1 1/2	1/2	11
CX12-0163		0-3/4	3 3/16	9	13 3/4	2 5/8	5 7/8	3 32/16	1 5/8	5/8	14
CX12-0164		1/2-1	3 3/16	9	3 3/4	2 5/8	6 1/8	3 3/16	1 5/8	5/8	15
CX12-0165	1	3/4-1 1/4	3 3/16	9	13 3/4	2 5/8	3 3/8	3 3/16	1 5/8	5/8	15
CX12-0166		1-1 1/2	3 3/16	9	13 3/4	2 5/8	6 5/8	3 3/16	1 5/8	5/8	16
CX12-0167		1 1/4+1 3/4	3 3/16	9	13 3/4	2 5/8	6 5/8	3 3/16	1 5/8	5/8	17
CX12-0168		2 1/2	3 3/16	9	13 3/4	2 5/8	7 1/8	3 3/16	1 5/8	5/8	18
CX12-0169		0-1	3 1/2	9	16 3/8	3 5/8	6 3/4	3 3/8	2 1/8	3/4	23
CX12-0170	2	3/4-1 1/2	3 1/2	9	16 3/8	3 5/8	7 1/4	3 3/8	2 1/8	3/4	23
CX12-0171		1 1/4-2	3 1/2	9	16 3/8	3 5/8	7 3/4	3 3/8	2 1/8	3/4	23
CX12-0172		1 3/4-2 1/2	3 1/2	9	16 3/8	3 5/8	8 1/4	3 3/8	2 1/8	3/4	24
CX12-0173		0-1 1/4	4 3/16	10 3/4	18 3/8	3 5/8	7 5/8	3 9/16	2 7/16	3/4	30
CX12-0174	3	3/4-1 1/2	4 3/16	10 3/4	18 3/8	3 5/8	7 7/8	3 9/16	2 7/16	3/4	31
CX12-0175		1 1/4-2	4 3/16 10 3/4	18 3/8	3 5/8	7 5/8	8 3/8	3 9/16	2 7/16	3/4	32
CX12-0176		1 3/4	4 3/16 10 3/4	18 3/8	3 5/8	8 7/8	3 9/16	2 7/16	3/4	33	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

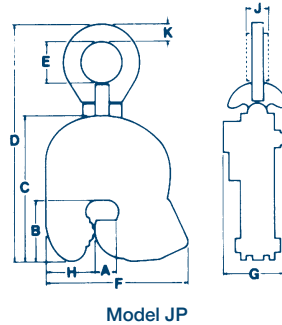
WARNING:

See Warnings in the beginning of the Section.

VERTICAL CLAMPS

J.C. Renfroe & Sons, Inc.

Model JP Vertical Lifting Locking



Model JP

The Model JP is a vertical lifting clamp capable of turning a single plate or member from horizontal to vertical and back to horizontal through the same 90 degree arc. Permits side loading of lifting shackle up to 90 degrees by derating of clamp's rated capacity. Refer to FIGURE 1 for derated capacities.

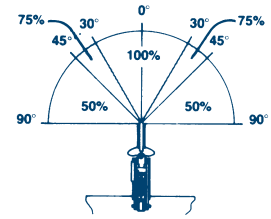


Figure 1

Model JP incorporates a pivoting shackle that permits side loading of the lifting shackle at 100 percent of rated capacity from vertical to 30 degrees, 75 percent of rated capacity between 30 and 45 degrees and 50 percent of rated capacity between 45 and 90 degrees.

Specifications (In Inches)

CERTEX Cat. Ref. No.	Rated Capacity Tons	Plate Thickness A	B	C	D	E	F	G	H	J	K	Weight (in pounds)
CX12-0227		0-5/8	2 3/4	6 1/2	12	2 3/8	5 5/8	3 1/4	2 1/4	1/2	3/4	
CX12-0228	1/2	1/2-1	2 3/4	6 1/2	12	2 3/8	6	3 1/4	2 1/4	1/2	3/4	12
CX12-0229		3/4-1 4/4	2 3/4	6 1/2	12	2 3/8	6 1/4	3 1/4	2 1/4	1/2	3/4	
CX12-0230		1 1/4-1 3/4	2 3/4	6 1/2	12	2 3/8	6 3/4	3 1/4	2 1/4	1/2	3/4	
CX12-0231		0-3/4	3 3/8	7 3/4	13 3/4	2 5/8	7	3 1/2	2 5/8	5/8	3/4	
CX12-0232		1/2-1	3 3/8	7 3/4	13 3/4	2 5/8	7 1/4	3 1/2	2 5/8	5/8	3/4	
CX12-0233	1	3/4-1 1/4	3 3/8	7 3/4	13 3/4	2 5/8	8	3 1/2	2 5/8	5/8	3/4	20
CX12-0234		1-1 1/2	3 3/8	7 3/4	13 3/4	2 5/8	8 1/4	3 1/2	2 5/8	5/8	3/4	
CX12-0235		1 1/2-2	3 3/8	7 3/4	13 3/4	2 5/8	8 3/4	3 1/2	2 5/8	5/8	3/4	
CX12-0236		0-1	3 5/8	9 1/2	17 3/8	3 1/2	8 3/4	4 1/2	3	3/4	1	
CX12-0237	2	3/4-1 1/2	3 5/8	9 1/2	17 3/8	3 1/2	9 1/4	4 1/2	3	3/4	1	40
CX12-0238		1 1/4-2	3 5/8	9 1/2	17 3/8	3 1/2	9 3/4	4 1/2	3	3/4	1	
CX12-0239		2-2 3/4	3 5/8	9 1/2	17 3/8	3 1/2	10 1/2	4 1/2	3	3/4	1	
CX12-0240		3/16-1 1/4	4 3/8	11 1/2	20 1/8	3 1/2	9 1/4	4 1/2	3 1/4	1 1/2	1	
CX12-0241	4	1-2	4 3/8	11 1/2	20 1/8	3 1/2	10	4 1/2	3 1/4	1 1/2	1	50
CX12-0242		2-3	4 3/8	11 1/2	20 1/8	3 1/2	11	4 1/2	3 1/4	1 1/2	1	
CX12-0243		3-4	4 3/8	11 1/2	20 1/8	3 1/2	12	4 1/2	3 1/4	1 1/2	1	
CX12-0244		1/4-1 3/8	4 7/8	12 3/8	20 7/8	3 1/2	10 3/4	4 3/4	3 3/4	1 1/2	1	
CX12-0245	6	1-2 1/8	4 7/8	12 3/8	20 7/8	3 1/2	11 1/2	4 3/4	3 3/4	1 1/2	1	72
CX12-0246		2-3 1/8	4 7/8	12 3/8	20 7/8	3 1/2	12 1/2	4 3/4	3 3/4	1 1/2	1	
CX12-0247		3-4 1/8	4 7/8	12 3/8	20 7/8	3 1/2	13 1/2	4 3/4	3 3/4	1 1/2	1	
CX12-0248		1/4-1 3/8	5 3/8	12 3/4	22 5/8	3 3/4	12 3/8	5 1/4	4 1/4	2	1 1/2	
CX12-0249	8	1-2 1/8	5 3/8	12 3/4	22 5/8	3 3/4	13	5 1/4	4 1/4	2	1 1/2	93
CX12-0250		2-3 1/8	5 3/8	12 3/4	22 5/8	3 3/4	14 5/8	5 1/4	4 1/4	2	1 1/2	
CX12-0251		3-4 1/8	5 3/8	12 3/4	22 5/8	3 3/4	15 5/8	5 1/4	4 1/4	2	1 1/2	

12, 16, 20, 25, 30 and 50 Ton capacities available upon request.
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

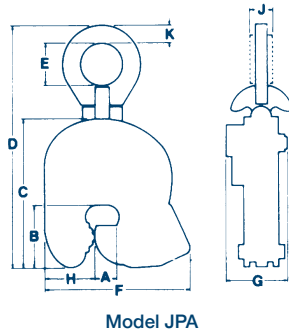
WARNING:

See Warnings in the beginning of the Section.

VERTICAL CLAMPS

J.C. Renfroe & Sons, Inc.

Model JPA Vertical Lifting Locking



Model JPA

The Model JPA is a vertical lifting clamp capable of turning a single plate or member from horizontal to vertical to horizontal through a 180 degree arc. Incorporates a push button auxiliary lock. Permits side loading of lifting shackle to 90 degrees by derating of clamp's rated capacity. Refer to FIGURE 1 for derated capacities.

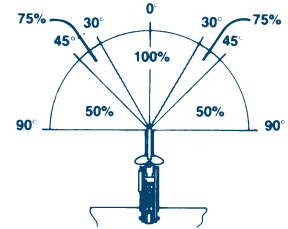


Figure 1

Model JPA incorporates a pivoting shackle that permits side loading of the lifting shackle at 100 percent of rated capacity from vertical to 30 degrees, 75 percent of rated capacity between 30 and 45 degrees and 50 percent of rated capacity between 45 and 90 degrees.

Specifications (In Inches)

CERTEX Cat. Ref. No.	Rated Capacity Ton	Plate Thickness A	B	C	D	E	F	G	H	J	K	Weight (in pounds)
CX12-0252		0 - 5/8	2 3/4	6 1/2	12	2 3/8	5 5/8	3 1/4	2 1/4	1/2	3/4	
CX12-0253	1/2	1/2 - 1	2 3/4	6 1/2	12	2 3/8	6	3 1/4	2 1/4	1/2	3/4	12
CX12-0254		3/4 - 1 1/4	2 3/4	6 1/2	12	2 3/8	6 1/4	3 1/4	2 1/4	1/2	3/4	
CX12-0255		1 1/4 - 1 3/4	2 3/4	6 1/2	12	2 3/8	6 3/4	3 1/4	2 1/4	1/2	3/4	
CX12-0256		0 - 3/4	3 3/8	7 3/4	13 3/4	2 5/8	7	3 1/2	2 5/8	5/8	3/4	
CX12-0257		1/2 - 1	3 3/8	7 3/4	13 3/4	2 5/8	7 1/4	3 1/2	2 5/8	5/8	3/4	
CX12-0258	1	3/4 - 1 1/4	3 3/8	7 3/4	13 3/4	2 5/8	8	3 1/2	2 5/8	5/8	3/4	20
CX12-0259		1 - 1 1/2	3 3/8	7 3/4	13 3/4	2 5/8	8 1/4	3 1/2	2 5/8	5/8	3/4	
CX12-0260		1 1/2 - 2	3 3/8	7 3/4	13 3/4	2 5/8	8 3/4	3 1/2	2 5/8	5/8	3/4	
CX12-0261		0 - 1	3 5/8	9 1/2	17 3/8	3 1/2	8 3/4	4 1/2	3	3/4	1	
CX12-0262	2	3/4 - 1 1/2	3 5/8	9 1/2	17 3/8	3 1/2	9 1/4	4 1/2	3	3/4	1	40
CX12-0263		1 1/4 - 2	3 5/8	9 1/2	17 3/8	3 1/2	9 3/4	4 1/2	3	3/4	1	
CX12-0264		2 - 2 3/4	3 5/8	9 1/2	17 3/8	3 1/2	10 1/2	4 1/2	3	3/4	1	
CX12-0265		3/16 - 1 1/4	4 3/8	11 1/2	20 1/8	3 1/2	9 1/4	4 1/2	3 1/4	1 1/2	1	
CX12-0266	4	1 - 2	4 3/8	11 1/2	20 1/8	3 1/2	10	4 1/2	3 1/4	1 1/2	1	50
CX12-0267		2	4 3/8	11 1/2	20 1/8	3 1/2	11	4 1/2	3 1/4	1 1/2	1	
CX12-0268		3 - 4	4 3/8	11 1/2	20 1/8	3 1/2	12	4 1/2	3 1/4	1 1/2	1	
CX12-0269		1/4 - 1 3/8	4 7/8	12 3/8	20 7/8	3 1/2	10 3/4	4 3/4	3 3/4	1 1/2	1	
CX12-0270	6	1 - 2 1/8	4 7/8	12 3/8	20 7/8	3 1/2	11 1/2	4 3/4	3 3/4	1 1/2	1	72
CX12-0271		2 - 3 1/8	4 7/8	12 3/8	20 7/8	3 1/2	12 1/2	4 3/4	3 3/4	1 1/2	1	
CX12-0272		3 - 4 1/8	4 7/8	12 3/8	20 7/8	3 1/2	13 1/2	4 3/4	3 3/4	1 1/2	1	
CX12-0273		3/8 - 1 1/2	5 3/8	12 3/4	22 5/8	3 3/4	12 1/8	5 1/4	4 1/4	2	1 1/2	
CX12-0274	8	1 - 2 1/8	5 3/8	12 3/4	22 5/8	3 3/4	13	5 1/4	4 1/4	2	1 1/2	93
CX12-0275		2 - 3 1/8	5 3/8	12 3/4	22 5/8	3 3/4	14 5/8	5 1/4	4 1/4	2	1 1/2	
CX12-0276		3 - 4 1/8	5 3/8	12 3/4	22 5/8	3 3/4	15 5/8	5 1/4	4 1/4	2	1 1/2	

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WARNING:
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