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STRUCTURAL - SHAPES



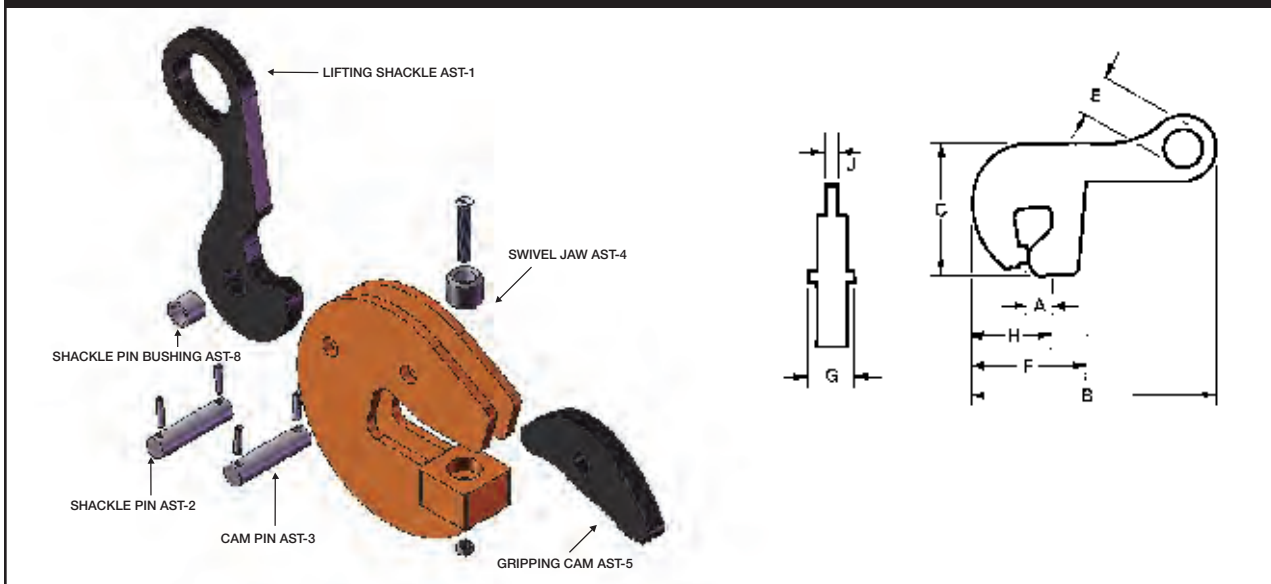


Model AST

Non-Locking Type

Both the **Model AST** and **ASTL** were developed primarily for lifting, turning and stacking lightweight beams and structural shapes while a constant tension is applied to the lifting shackle. The horizontal shackle permits a beam to be lifted with the web in a near horizontal position by placing the clamp on the load with the shackle positioned over the web, and between the flanges. With a beam lying in a horizontal position, and the clamp placed with the shackle overhanging the flange, the beam can be lifted, turned 90 degrees, and raised in a vertical position.

MODEL AST EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Plate Thickness A	MAX. B	C	D	E	F	G	H	Weight J	(in pounds)
1/2	0-3/4	10 3/4	6 1/16	-	1 3/4	6 5/16	1 3/8	2 1/2	1/2	10
1 1/2	0-3/4	13	8 1/2	-	2 1/2	7	2 5/16	3	5/8	20
3	0-1 1/2	19 3/4	12 1/2	-	3 3/4	11	3	4 5/8	3/4	50

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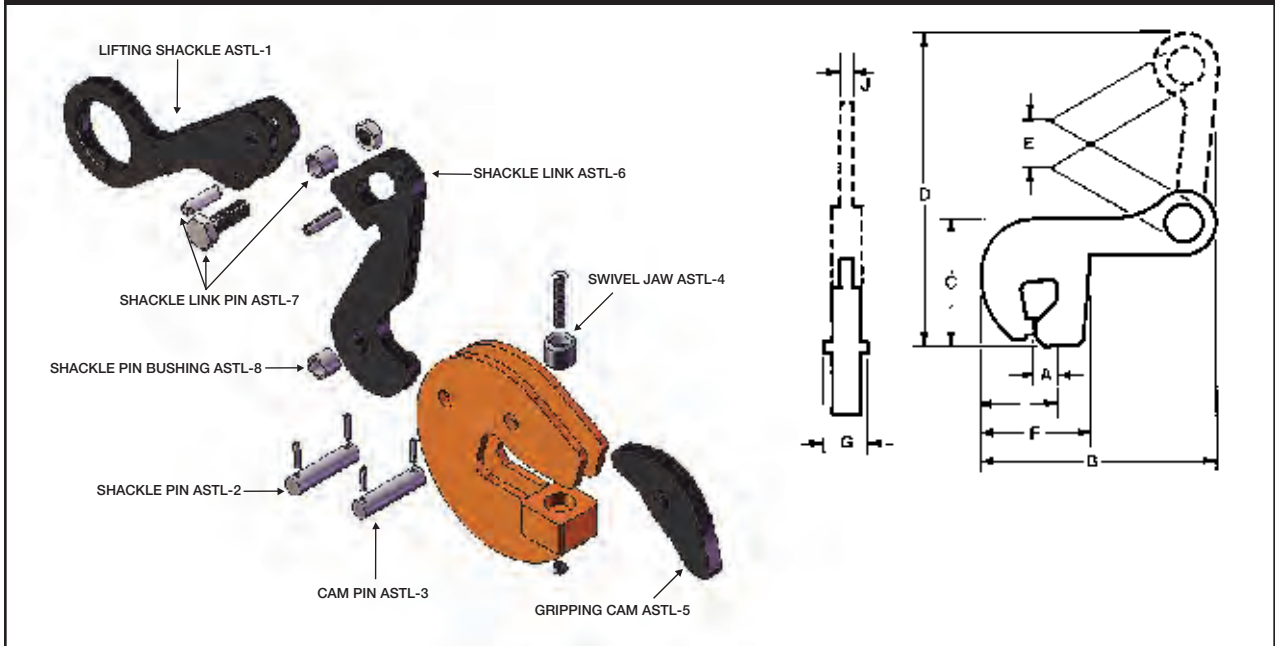
Model ASTL Non-Locking Type



Both the **Model AST** and **ASTL** were developed primarily for lifting, turning and stacking lightweight beams and structural shapes while a constant tension is applied to the lifting shackle. The horizontal shackle permits a beam to be lifted with the web in a near horizontal position by placing the clamp on the load with the shackle positioned over the web, and between the flanges. With a beam lying in a horizontal position, and the clamp placed with the shackle overhanging the flange, the beam can be lifted, turned 90 degrees, and raised in a vertical position.

The Model ASTL includes all of the feature of the Model AST plus a linkage which permits the tool to be removed remotely by setting the load down with the sling slack, then lifting the crane hook.

MODEL ASTL EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Plate Thickness A	MAX. B	C	D	E	F	G	H	Weight J	(in pounds)
1/2	0-3/4	10 3/4	6 1/16	14	1 3/4	6 3/16	1 3/8	2 1/2	1/2	10
1 1/2	0-3/4	13	8 1/2	18 1/2	2 1/2	7	2 5/16	3	3/4	24
3	0-1 1/2	19 3/4	12 1/2	25	3 3/4	11	3	4 3/4	3/4	61

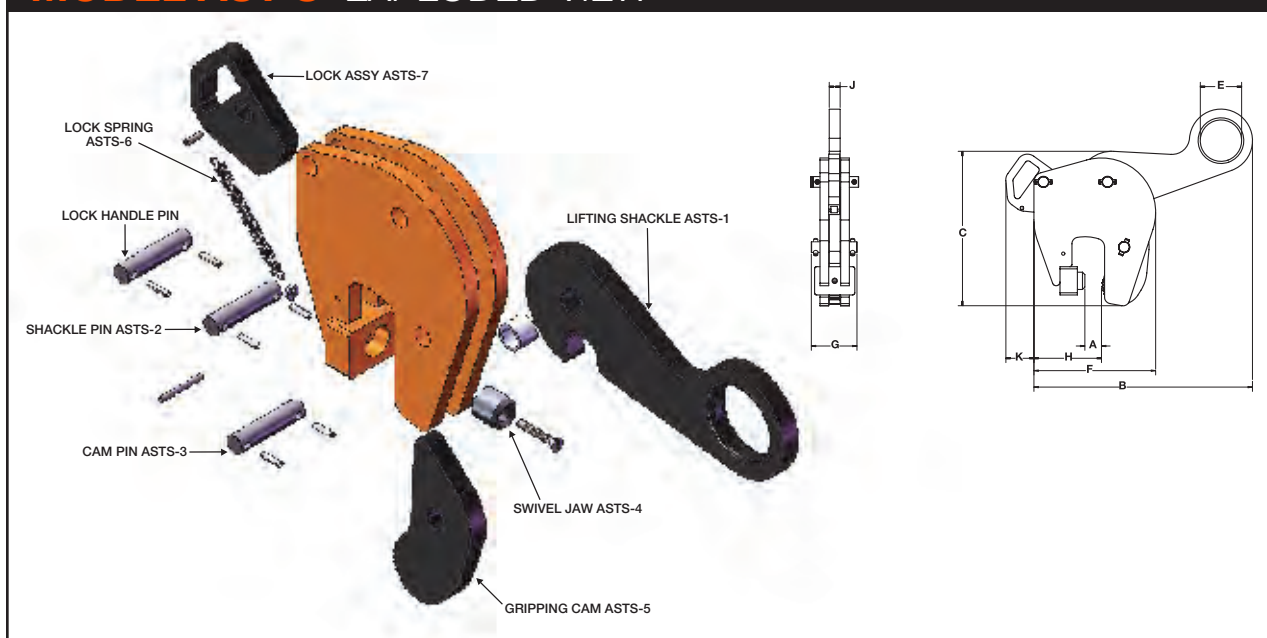
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Model AST-S Locking Type

The **Model ASTS** is the same as the Model AST with the exception that it incorporates a “Lock Closed” feature which facilitates attaching to the beam. Developed primarily for lifting, turning and stacking lightweight beams and structural shapes. The horizontal shackle permits a beam to be lifted with the web in a near horizontal position by placing the clamp on the load with the shackle positioned over the web, and between the flanges. With a beam lying in a horizontal position, and the clamp placed with the shackle over-hanging the flange, the beam can be lifted, turned 90 degrees, and raised in a vertical position.

MODEL AST-S EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Plate Thickness A	MAX. B	C	D	E	F	G	H	Weight J	K	(in pounds)
1/2	0-3/4	10 3/4	6 11/16	-	1 3/4	6 3/16	1 5/8	2 1/2	1/2	1 1/2	10
1 1/2	0-3/4	13	8 1/2	-	2 1/2	7	2 3/16	3	5/8	1 1/2	20
3	0-1 1/2	19 3/4	12 1/2	-	3 3/4	11	3	4 5/8	3/4	1 1/2	50

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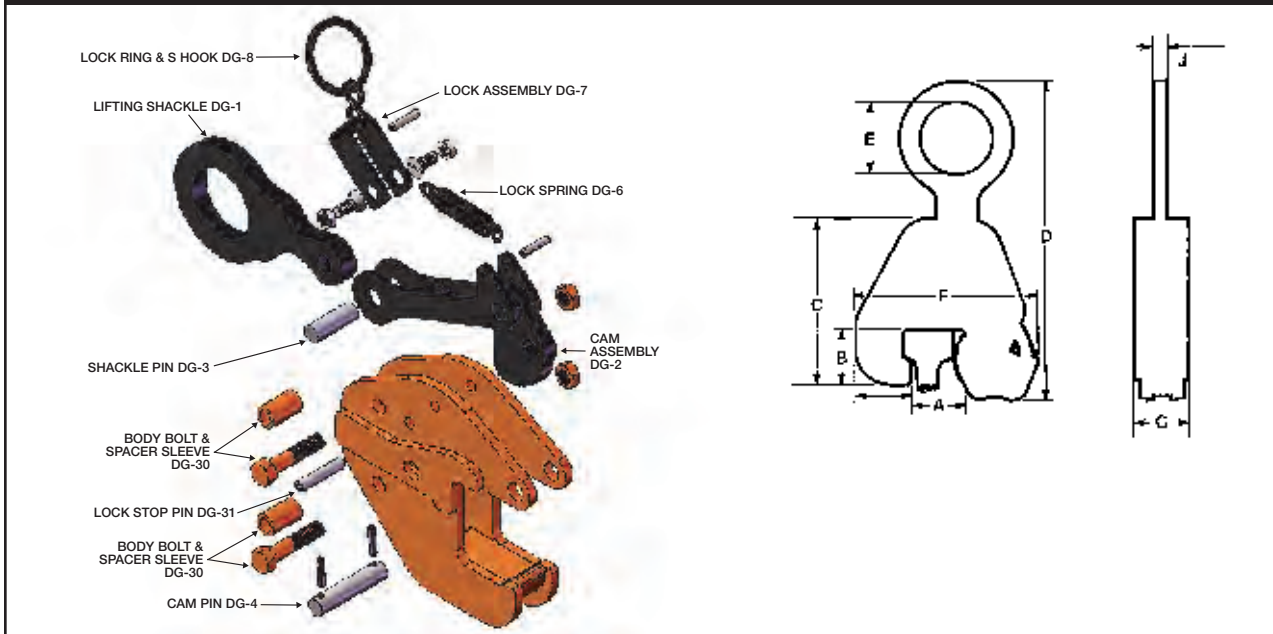
Model DG

Locking Type



The **Model DG** rail clamp is used for lifting and transporting crane rails and railroad rails. Lightness of weight allows it to be hand applied and hand removed. The Model DG possesses all the features of the Model FR. All the repair parts are identical to same tonnage of the FR, except the swivel jaw has been eliminated.

MODEL DG EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Model	Capacity Std. Rail A	Capacity Crane Rail A	B	C	D	E	F	G	H	J	Weight (in pounds)
1/2	25	12-25 LB.	NONE	1 ⁵ / ₁₆	6 ¹¹ / ₁₆	11 ¹ / ₄	2 ³ / ₈	5 ³ / ₈	2 ¹ / ₂	1 ⁵ / ₈	1 ¹ / ₂	10
1/2	50	30-50 LB.	NONE	1 ³ / ₈	6 ¹¹ / ₁₆	11 ¹ / ₄	2 ³ / ₈	6	2 ¹ / ₂	1 ⁵ / ₈	1 ¹ / ₂	11
1	132	85-155 LB.	NONE	2 ¹ / ₂	8 ¹ / ₈	13 ¹ / ₂	2 ⁵ / ₈	8 ⁵ / ₈	3 ¹ / ₄	1 ⁷ / ₈	5 ⁵ / ₈	16
2	105	60-155 LB.	104 & 105 LB.	2 ⁵ / ₈	9	16	3 ⁵ / ₈	9 ¹ / ₈	3 ¹ / ₄	2 ¹ / ₂	3 ³ / ₄	26
2	175	NONE	135, 171, 175 LB.	2 ⁵ / ₈	9 ¹ / ₂	16	3 ⁵ / ₈	10 ³ / ₈	3 ¹ / ₄	2 ¹ / ₂	3 ³ / ₄	26

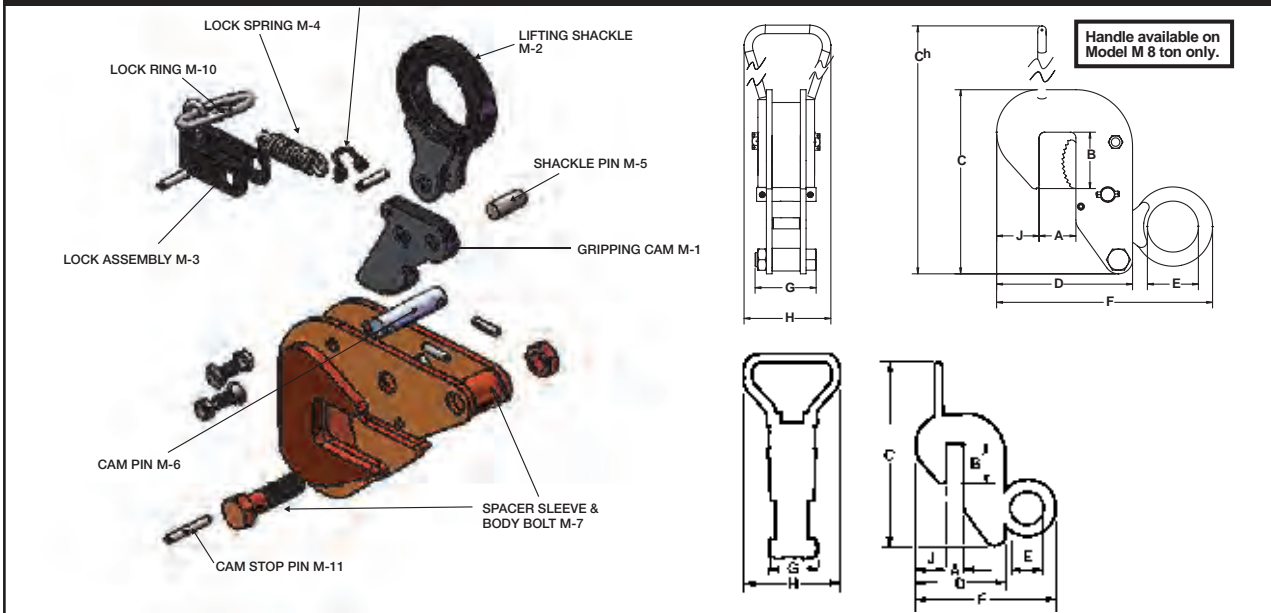
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Model M Locking Type



The **Model M** is a multipurpose clamp used for positioning, sorting, erection and handling of prefabricated sections. The split lower jaw enables the clamp to be particularly useful in handling structural shapes. The **Model M** incorporates a "Lock Closed" feature which facilitates attaching the clamp to the member being lifted. These clamps must be used in pairs, sets of pairs, or in a tripod arrangement for transporting plate horizontally. Handle is available on 8 ton clamp only.

MODEL M EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Plate Thickness A	B	C	Ch	D	MAX. E	F	G	H	J	Weight (in pounds)
1/2	0-1	2 ⁵ / ₁₆	7 ⁷ / ₁₆	—	4 ¹ / ₁₆	2 ¹ / ₄	8 ⁷ / ₈	2 ⁵ / ₈	—	1 ⁷ / ₁₆	7
	3/4-1 ¹ / ₂	2 ⁵ / ₁₆	7 ¹ / ₁₆	—	5 ³ / ₁₆	2 ¹ / ₄	9 ³ / ₈	2 ⁵ / ₈	—	1 ⁷ / ₁₆	8
	1 ¹ / ₄ -2	2 ⁵ / ₁₆	7 ¹ / ₁₆	—	5 ¹¹ / ₁₆	2 ¹ / ₄	9 ⁷ / ₈	2 ⁵ / ₈	—	1 ⁷ / ₁₆	9
1	0-1	2 ¹ / ₂	8 ¹ / ₈	—	5 ¹ / ₂	2 ¹ / ₄	9 ¹ / ₂	2 ³ / ₄	—	1 ⁷ / ₈	11
	3/4-1 ¹ / ₂	2 ¹ / ₂	8 ¹ / ₈	—	6	2 ¹ / ₄	10	2 ³ / ₄	—	1 ⁷ / ₈	12
	1 ¹ / ₄ -2	2 ¹ / ₂	8 ¹ / ₈	—	6 ¹ / ₂	2 ¹ / ₄	10 ¹ / ₂	2 ³ / ₄	—	1 ⁷ / ₈	13
2	0-1 ¹ / ₄	3 ³ / ₁₆	10 ³ / ₄	—	6 ⁹ / ₁₆	3 ¹ / ₁₆	12 ¹ / ₈	3 ⁷ / ₈	—	2	23
	1-2	3 ³ / ₁₆	10 ³ / ₄	—	7 ³ / ₁₆	3 ¹ / ₁₆	12 ¹ / ₈	3 ⁷ / ₈	—	2	24
	1 ³ / ₄ -2 ³ / ₄	3 ³ / ₁₆	10 ³ / ₄	—	7 ¹⁵ / ₁₆	3 ¹ / ₁₆	13 ⁵ / ₈	3 ⁷ / ₈	—	2	27
4	0-1 ¹ / ₂	3 ¹³ / ₁₆	12	—	7 ³ / ₄	3 ⁵ / ₈	14 ¹ / ₂	4 ³ / ₈	—	2 ³ / ₄	36
	1 ¹ / ₄ -2 ¹ / ₂	3 ¹³ / ₁₆	12	—	8 ³ / ₄	3 ⁵ / ₈	16 ¹ / ₂	4 ³ / ₈	—	2 ³ / ₄	38
	2 ¹ / ₄ -3 ¹ / ₂	3 ¹³ / ₁₆	12	—	9 ³ / ₄	3 ⁵ / ₈	14 ¹ / ₂	4 ³ / ₈	—	2 ³ / ₄	41
8	0-2	4 ¹⁵ / ₁₆	—	19 ¹ / ₄	11 ⁷ / ₁₆	4	19 ¹ / ₂	5 ¹ / ₂	8	4	107
	1 ³ / ₄ -3 ¹ / ₂	4 ¹⁵ / ₁₆	—	19 ¹ / ₄	12 ¹⁵ / ₁₆	4	21	5 ¹ / ₂	8	4	110
	3 ¹ / ₄ -5	4 ¹⁵ / ₁₆	—	19 ¹ / ₄	14 ⁷ / ₁₆	4	22 ¹ / ₂	5 ¹ / ₂	8	4	125

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Model SEA

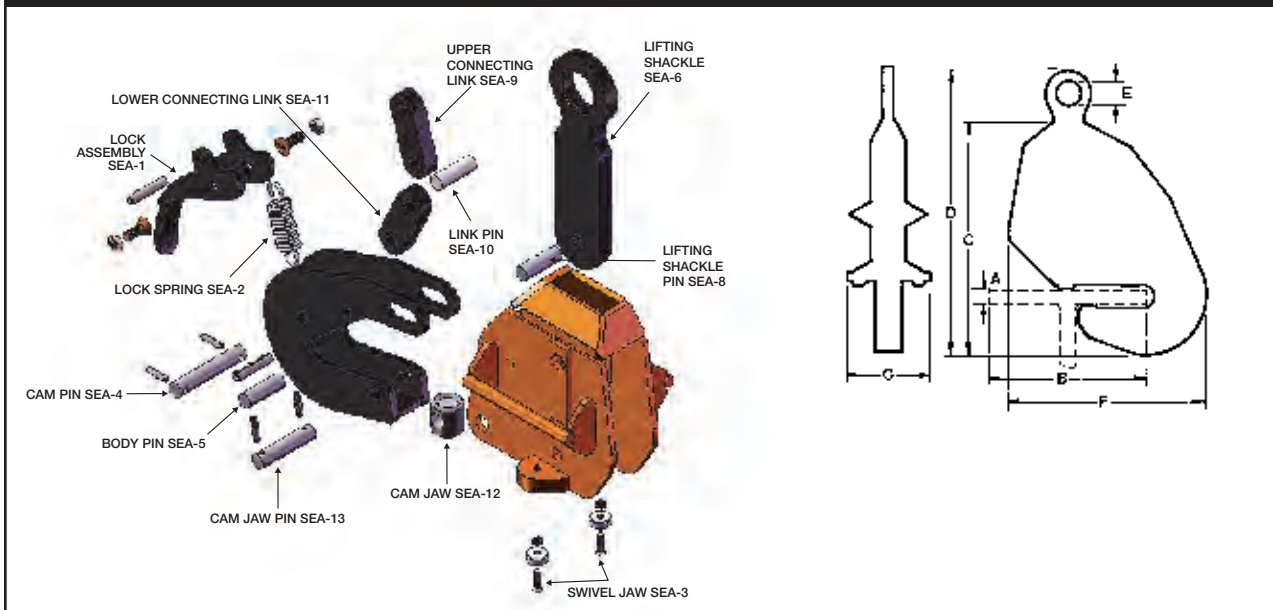
Locking Type



The **Model SEA** is a clamp used primarily for erection of structural beams. Configuration of the lower hook assembly and the over center position of the shackle permits a clamp to grip closer to the beam web, stabilizing the load and holding it with the web near horizontal for easy alignment of bolt holes.

The clamp incorporates a "Lock Open" and "Lock Closed" feature which facilitates in attaching and removing the clamp from the beam.

MODEL SEA EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Plate Thickness A	Flange Width B	C	Max. D	E	F	G	Weight (in pounds)
1	0-3/4	3-8	11 ⁵ / ₁₆	17 ¹ / ₈	1 ¹ / ₈	9 ¹ / ₄	5 ⁷ / ₈	22
2	0-1	5-12	17 ¹ / ₂	21 ¹ / ₂	1 ¹ / ₂	14 ¹ / ₈	6 ⁷ / ₈	73
4	0-1	7-14	19 ³ / ₄	27 ¹ / ₂	1 ³ / ₄	17 ⁷ / ₈	8 ¹¹ / ₁₆	116
	3/4-1 ³ / ₄	7-14	20 ¹ / ₂	28 ¹ / ₄	1 ³ / ₄	17 ⁷ / ₈	8 ¹¹ / ₁₆	120
8	0-1 ¹ / ₂	10-20	25 ¹ / ₂	31	2	21 ¹ / ₂	9 ³ / ₄	200
	1-2 ¹ / ₂	10-20	26 ¹ / ₂	32	2	21 ¹ / ₂	9 ³ / ₄	204
15	3/4-2 ¹ / ₄	10-20	31	41 ¹ / ₂	3 ³ / ₄	21 ¹ / ₂	10 ³ / ₄	343
	2-3 ¹ / ₂	10-20	32 ¹ / ₄	42 ³ / ₄	3 ³ / ₄	21 ¹ / ₂	10 ³ / ₄	

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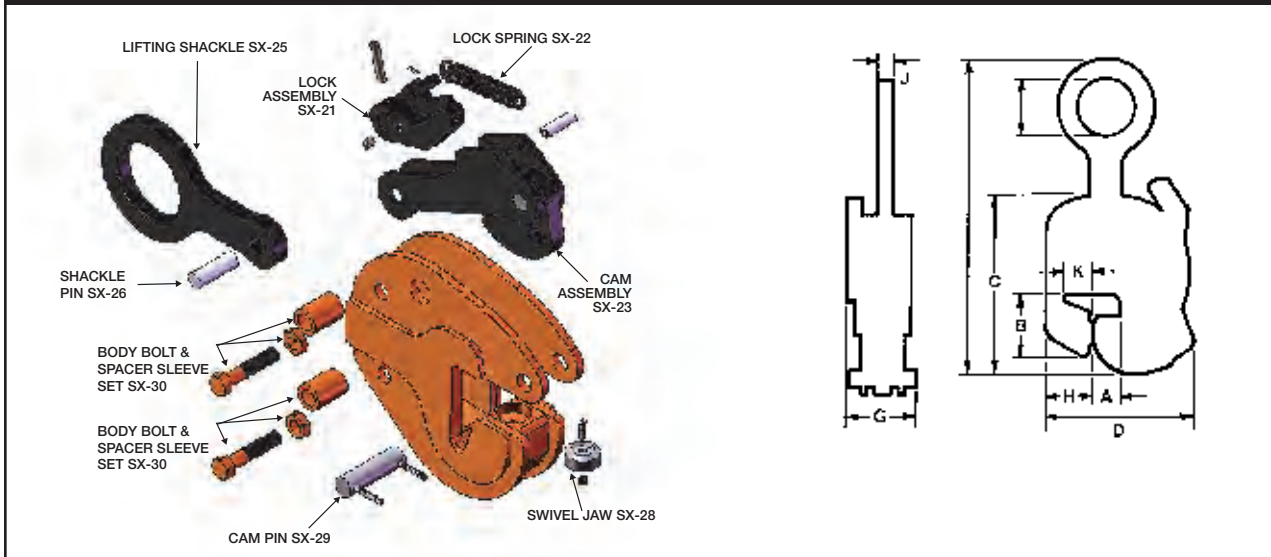


Model SX

Locking Type

The **Model SX** clamp is used for lifting and transporting of angles both in fabrication and erection of steel. It possesses all the features of the Model S. All repair parts are identical to the same tonnage Model S parts.

MODEL SX EXPLODED VIEW



SPECIFICATIONS (in inches)

Rated Capacity Tons	Plate Thickness A	B	C	MAX. D	E	F	G	H	J	K	Weight (in pounds)
2	0-1	3 ⁵ / ₈	9 ¹ / ₂	18 ¹ / ₂	3 ¹ / ₂	9 ¹ / ₄	3 ³ / ₄	4 ¹ / ₈	3 ³ / ₄	2 ¹ / ₂	34
	1 ¹ / ₂ -1 ¹ / ₂	3 ⁵ / ₈	9 ¹ / ₂	18 ¹ / ₂	3 ¹ / ₂	10 ¹ / ₄	3 ³ / ₄	4 ¹ / ₈	3 ³ / ₄	2 ¹ / ₂	34
4	1 ¹ / ₂ -1 ¹ / ₂	4 ¹ / ₈	11 ¹ / ₂	19 ⁵ / ₈	3 ⁵ / ₈	10 ¹ / ₂	4 ⁷ / ₈	4 ³ / ₄	3 ³ / ₄	2 ¹ / ₂	51

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