

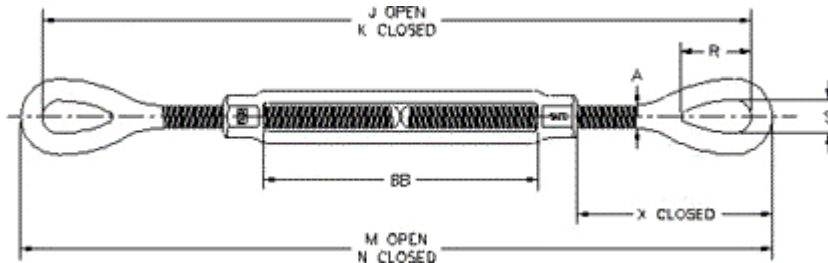


EYE x EYE TURNBUCKLES - GALVANIZED



Thread Diameter & Take Up (in.)	Working Load Limit * (lbs.)	Weight Each (lbs.)	Dimensions (in.)								
			A	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB
1/4 x 4	500	0.3	0.25	11.8	7.8	12.25	8.25	0.78	0.34	1.75	4
5/16 x 4-1/2	800	0.5	0.31	13.56	9.06	14.12	9.62	0.94	0.44	2.09	4.5
3/8 x 6	1200	0.75	0.38	17.47	11.47	18.16	12.16	1.12	0.53	2.52	6
1/2 x 6	2200	1.5	0.5	20.08	13.08	20.96	13.96	1.44	0.72	3.23	6
1/2 x 12	2200	2.18	0.5	32.08	19.08	32.96	19.96	1.44	0.72	3.23	12
5/8 x 6	3500	2.63	0.63	21.93	14.68	22.93	15.68	1.75	0.88	3.9	6
5/8 x 12	3500	3.25	0.63	33.93	20.68	34.93	21.68	1.75	0.88	3.9	12
3/4 x 6	5200	3.75	0.75	23.88	16.38	25.12	17.62	2.09	1	4.69	6
3/4 x 12	5200	5.75	0.75	35.88	22.38	37.12	23.62	2.09	1	4.69	12
3/4 x 18	5200	7	0.75	47.88	28.38	49.12	29.62	2.09	1	4.69	18
7/8 x 12	7200	8.38	0.88	37.07	23.32	38.57	24.82	2.38	1.25	5.1	12
7/8 x 18	7200	10.25	0.88	49.07	29.32	50.57	30.82	2.38	1.25	5.1	18
1 x 6	10000	10.75	1	27.97	19.97	29.72	21.72	3	1.44	6.36	6
1 x 12	10000	11.25	1	39.97	25.97	41.97	27.72	3	1.44	6.36	12
1 x 18	10000	14	1	51.97	31.97	53.72	33.72	3	1.44	6.36	18
1 x 24	10000	17	1	63.97	37.97	65.72	39.72	3	1.44	6.36	24
1-1/4 x 12	15200	19	1.25	42.81	28.31	45.06	30.56	3.56	1.81	7.72	12
1-1/4 x 18	15200	24.1	1.25	54.81	34.31	57.06	36.56	3.56	1.81	7.72	18
1-1/4 x 24	15200	25	1.25	66.81	40.31	69.06	42.56	3.56	1.81	7.72	24
1-1/2 x 12	21400	27	1.5	45.5	30.5	48	33	4.06	2.12	8.62	12
1-1/2 x 18	21400	31.2	1.5	57.5	36.5	60	39	4.06	2.12	8.62	18
1-1/2 x 24	21400	38.2	1.5	69.5	42.5	72	45	4.06	2.12	8.62	24
1-3/4 x 18	28000	53	1.75	57.38	39.38	60.38	42.38	4.62	2.38	10	18
1-3/4 x 24	28000	58	1.75	69.38	45.38	72.38	48.38	4.62	2.38	10	24
2 x 24	37000	90	2	75.69	51.69	79.19	55.19	5.75	2.69	13.09	24
2-1/2 x 24	60000	163	2.5	78.62	54.62	82.62	58.62	6.5	3.12	13.78	24
2-3/4 x 24	75000	180	2.75	81	57	85.5	61.5	7	3.25	15.22	24

Never Exceed Working Load Limit



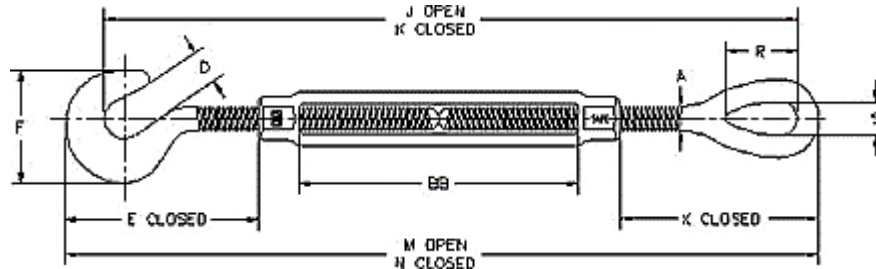


HOOK x EYE TURNBUCKLES - GALVANIZED



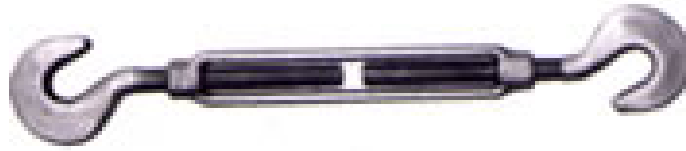
Thread Diameter & Take Up (in.)	Working Load Limit * (lbs.)	Weight Each (lbs.)	Dimensions (in.)												
			A	D	E Closed	F	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB	
1/4 x 4	400	0.3	0.25	0.45	1.59	1.27	11.46	7.46	12.09	8.09	0.78	0.34	1.75	4	
5/16 x 4-1/2	700	0.5	0.31	0.5	1.94	1.5	13.19	8.69	13.47	9.47	0.94	0.44	2.09	4.5	
3/8 x 6	1000	0.75	0.38	0.56	2.3	1.77	16.98	10.98	17.94	11.94	1.12	0.53	2.52	6	
1/2 x 6	1500	1.5	0.5	0.66	2.94	2.28	19.45	12.45	20.67	13.67	1.44	0.72	3.23	6	
1/2 x 12	1500	2.18	0.5	0.66	2.94	2.28	31.45	18.45	32.67	19.67	1.44	0.72	3.23	12	
5/8 x 6	2250	2.63	0.63	0.9	3.69	2.81	21.96	13.96	22.72	15.47	1.75	0.88	3.9	6	
5/8 x 12	2250	3.25	0.63	0.9	3.69	2.81	33.21	19.96	34.72	21.47	1.75	0.88	3.9	12	
3/4 x 6	3000	3.75	0.75	0.98	4.52	3.33	23.13	15.63	24.95	17.45	2.09	1	4.69	6	
3/4 x 12	3000	5.75	0.75	0.98	4.52	3.33	35.13	21.63	36.95	23.45	2.09	1	4.69	12	
3/4 x 18	3000	7	0.75	0.98	4.52	3.33	47.13	27.63	48.95	29.45	2.09	1	4.69	18	
7/8 x 12	4000	8.38	0.88	1.13	5.19	3.78	36.53	22.78	38.66	24.91	2.38	1.25	5.1	12	
1 x 12	5000	11.25	1	1.25	5.84	4.25	38.8	24.8	41.2	27.2	3	1.44	6.36	12	
1 x 18	5000	14	1	1.25	5.84	4.25	50.8	30.8	53.2	33.2	3	1.44	6.36	18	
1 x 24	5000	17	1	1.25	5.84	4.25	62.8	36.8	65.2	39.2	3	1.44	6.36	24	
1-1/4 x 12	6500	19	1.25	1.5	7.22	5.13	41.63	27.13	44.56	30.06	3.56	1.81	7.72	12	
1-1/4 x 18	6500	24.1	1.25	1.5	7.22	5.13	53.63	33.13	56.56	36.06	3.56	1.81	7.72	18	
1-1/4 x 24	6500	25	1.25	1.5	7.22	5.13	65.63	39.13	68.56	42.06	3.56	1.81	7.72	24	
1-1/2 x 12	7500	27	1.5	1.88	8.34	5.75	44.72	29.72	47.72	32.72	4.06	2.12	8.62	12	
1-1/2 x 18	7500	31.2	1.5	1.88	8.34	5.75	56.72	35.72	59.72	38.72	4.06	2.12	8.62	18	
1-1/2 x 24	7500	38.2	1.5	1.88	8.34	5.75	68.72	41.72	71.72	44.72	4.06	2.12	8.62	24	

Never Exceed Working Load Limit



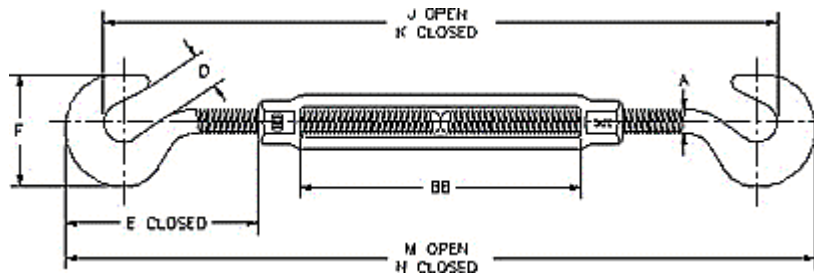


HOOK x HOOK TURNBUCKLES - GALVANIZED



Thread Diameter & Take Up (in.)	Working Load Limit * (lbs.)	Weight Each (lbs.)	Dimensions (in.)								
			A	D	E Closed	F	J Open	K Closed	M Open	N Closed	BB
1/4 x 4	400	0.3	0.25	0.45	1.59	1.27	11.12	7.12	11.94	7.94	4
5/16 x 4-1/2	700	0.5	0.31	0.5	1.94	1.5	12.81	8.31	13.81	9.31	4.5
3/8 x 6	1000	0.75	0.38	0.56	2.3	1.77	16.5	10.5	17.72	11.72	6
1/2 x 6	1500	1.5	0.5	0.66	2.94	2.28	18.82	11.82	20.38	13.38	6
1/2 x 12	1500	2.18	0.5	0.66	2.94	2.28	30.82	17.82	32.38	19.38	12
5/8 x 6	2250	2.63	0.63	0.9	3.69	2.81	20.5	13.25	22.5	15.25	6
5/8 x 12	2250	3.25	0.63	0.9	3.69	2.81	32.5	19.25	34.5	21.25	12
3/4 x 6	3000	3.75	0.75	0.98	4.52	3.33	22.38	14.88	24.78	17.28	6
3/4 x 12	3000	5.75	0.75	0.98	4.52	3.33	34.38	20.88	36.78	23.28	12
3/4 x 18	3000	7	0.75	0.98	4.52	3.33	46.38	26.88	48.78	29.28	18
7/8 x 12	4000	8.38	0.88	1.13	5.19	3.78	36	22.25	38.75	25	12
1 x 12	5000	11.25	1	1.25	5.84	4.25	37.63	23.63	40.69	26.69	12
1 x 18	5000	14	1	1.25	5.84	4.25	49.63	29.63	52.69	32.69	18
1 x 24	5000	17	1	1.25	5.84	4.25	61.63	35.63	64.69	38.69	24
1-1/4 x 12	6500	19	1.25	1.5	7.22	5.13	40.44	25.94	44.06	29.56	12
1-1/4 x 18	6500	24.1	1.25	1.5	7.22	5.13	52.44	31.94	56.06	35.56	18
1-1/4 x 24	6500	25	1.25	1.5	7.22	5.13	64.44	37.94	68.06	41.56	24
1-1/2 x 12	7500	27	1.5	1.88	8.34	5.75	43.94	28.94	47.44	32.44	12
1-1/2 x 18	7500	31.2	1.5	1.88	8.34	5.75	55.96	34.94	59.44	38.44	18
1-1/2 x 24	7500	38.2	1.5	1.88	8.34	5.75	67.94	40.94	71.44	44.44	24

Never Exceed Working Load Limit



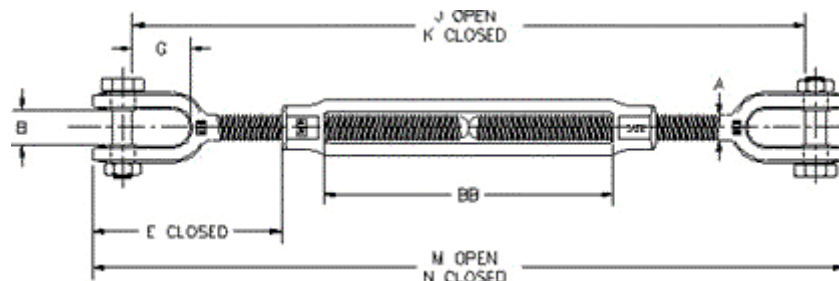


JAW x JAW TURNBUCKLES - GALVANIZED



Thread Diameter & Take Up (in.)	Working Load Limit * (lbs.)	Weight Each (lbs.)	Dimensions (in.)								
			A	B	E Closed	G	J Open	K Closed	M Open	N Closed	BB
1/4 x 4	500	0.4	0.25	0.45	1.58	0.62	10.9	6.9	11.9	7.9	4
5/16 x 4-1/2	800	0.58	0.31	0.5	1.98	0.87	12.36	8.36	13.9	9.4	4.5
3/8 x 6	1200	0.93	0.38	0.54	2.12	0.87	16.14	10.14	17.38	11.38	6
1/2 x 6	2200	1.68	0.5	0.55	2.75	1.06	18.5	11.5	20	13	6
1/2 x 9	2200	1.85	0.5	0.55	2.75	1.06	24.5	14.5	26	16	9
1/2 x 12	2200	2.2	0.5	0.55	2.75	1.06	30.5	17.5	32	19	12
5/8 x 6	3500	2.82	0.63	0.82	3.5	1.31	20.05	12.8	22.13	14.88	6
5/8 x 9	3500	3.25	0.63	0.82	3.5	1.31	26.05	15.8	28.13	17.88	9
5/8 x 12	3500	3.75	0.63	0.82	3.5	1.31	32.05	18.8	34.13	20.88	12
3/4 x 6	5200	4.68	0.75	1.03	4.18	1.5	21.5	14	24.1	16.6	6
3/4 x 9	5200	5.38	0.75	1.03	4.18	1.5	27.5	17	30.1	19.6	9
3/4 x 12	5200	6.12	0.75	1.03	4.18	1.5	33.5	20	36.1	22.6	12
3/4 x 18	5200	7.75	0.75	1.03	4.18	1.5	45.5	26	48.1	28.6	18
7/8 x 12	7200	9.38	0.88	1.23	4.85	1.75	35.11	21.36	38.07	24.32	12
7/8 x 18	7200	11.44	0.88	1.23	4.85	1.75	47.11	27.36	50.07	30.32	18
1 x 6	10000	11.8	1	1.31	5.53	2.06	24.72	16.72	28.06	20.06	6
1 x 12	10000	12.88	1	1.31	5.53	2.06	36.72	22.72	40.06	26.06	12
1 x 18	10000	16.1	1	1.31	5.53	2.06	48.72	28.72	52.06	32.06	18
1 x 24	10000	18.6	1	1.31	5.53	2.06	60.72	34.72	64.06	38.06	24
1-1/4 x 12	15200	23.6	1.25	1.86	7.21	2.81	39.84	25.34	44.04	29.54	12
1-1/4 x 18	15200	26.6	1.25	1.86	7.21	2.81	51.84	31.34	56.04	35.54	18
1-1/4 x 24	15200	31.2	1.25	1.86	7.21	2.81	63.84	37.34	68.04	41.54	24
1-1/2 x 12	21400	35.5	1.5	2.25	7.88	2.81	41.5	26.5	46.5	31.5	12
1-1/2 x 18	21400	40.7	1.5	2.25	7.88	2.81	53.5	32.5	58.5	37.5	18
1-1/2 x 24	21400	47.6	1.5	2.25	7.88	2.81	65.5	38.5	70.5	43.5	24
1-3/4 x 18	28000	62	1.75	2.6	9.4	3.38	53.38	35.38	59.18	41.18	18
1-3/4 x 24	28000	64	1.75	2.6	9.4	3.38	65.38	41.38	71.18	47.18	24
2 x 24	37000	115	2	2.62	11.86	3.69	69.54	45.54	76.72	52.72	24
2-1/2 x 24	60000	200	2.5	3.06	13.56	4.44	72.98	48.98	82.18	58.18	24
2-3/4 x 24	75000	248	2.75	3.68	15.22	4.19	74.75	50.75	85.5	61.5	24

Never Exceed Working Load Limit



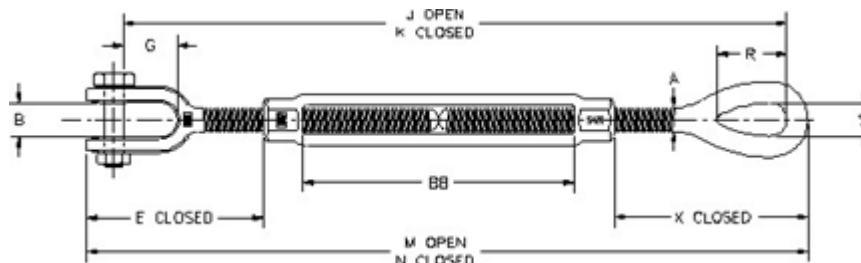


JAW x EYE TURNBUCKLES - GALVANIZED



Thread Diameter & Take Up (in.)	Working Load Limit* (lbs.)	Weight Each (lbs.)	Dimensions (in.)											
			A	B	E Closed	G	J Open	K Closed	M Open	N Closed	R	S	X Closed	BB
1/4 x 4	500	0.3	0.25	0.45	1.58	0.62	11.35	7.35	12.07	8.07	0.78	0.34	1.75	4
5/16 x 4-1/2	800	0.53	0.31	0.5	1.98	0.87	13.71	8.71	14.01	9.51	0.94	0.44	2.09	4.5
3/8 x 6	1200	0.82	0.38	0.54	2.12	0.87	16.81	10.81	17.77	11.77	1.12	0.53	2.52	6
1/2 x 6	2200	1.62	0.5	0.55	2.75	1.06	19.29	12.29	20.48	13.48	1.44	0.72	3.23	6
1/2 x 9	2200	1.82	0.5	0.55	2.75	1.06	25.29	15.29	26.48	16.48	1.44	0.72	3.23	9
1/2 x 12	2200	2.19	0.5	0.55	2.75	1.06	31.29	18.29	32.48	19.48	1.44	0.72	3.23	12
5/8 x 6	3500	2.69	0.63	0.82	3.5	1.31	20.99	13.74	22.53	15.28	1.75	0.88	3.9	6
5/8 x 9	3500	3.01	0.63	0.82	3.5	1.31	26.99	16.74	28.53	18.28	1.75	0.88	3.9	9
5/8 x 12	3500	3.5	0.63	0.82	3.5	1.31	32.99	19.74	34.53	21.28	1.75	0.88	3.9	12
3/4 x 6	5200	4.25	0.75	1.03	4.18	1.5	22.69	15.19	24.61	17.11	2.09	1	4.69	6
3/4 x 9	5200	5	0.75	1.03	4.18	1.5	28.69	18.19	30.61	20.11	2.09	1	4.69	9
3/4 x 12	5200	5.75	0.75	1.03	4.18	1.5	34.69	21.19	36.61	23.11	2.09	1	4.69	12
3/4 x 18	5200	7.25	0.75	1.03	4.18	1.5	46.69	27.19	48.61	29.11	2.09	1	4.69	18
7/8 x 12	7200	8.88	0.88	1.23	4.85	1.75	36.09	22.34	38.32	24.57	2.38	1.25	5.1	12
7/8 x 18	7200	10.6	0.88	1.23	4.85	1.75	48.09	28.34	50.32	30.57	2.38	1.25	5.1	18
1 x 6	10000	11.1	1	1.31	5.53	2.06	26.34	18.34	28.89	20.89	3	1.44	6.36	6
1 x 12	10000	12	1	1.31	5.53	2.06	38.34	24.34	40.89	26.89	3	1.44	6.36	12
1 x 18	10000	14.75	1	1.31	5.53	2.06	50.34	30.34	52.89	32.89	3	1.44	6.36	18
1 x 24	10000	17.75	1	1.31	5.53	2.06	62.34	36.34	64.89	38.89	3	1.44	6.36	24
1-1/4 x 12	15200	21.2	1.25	1.86	7.21	2.81	41.32	26.82	44.55	30.05	3.56	1.81	7.72	12
1-1/4 x 18	15200	26	1.25	1.86	7.21	2.81	53.32	32.82	56.05	36.05	3.56	1.81	7.72	18
1-1/4 x 24	15200	28.7	1.25	1.86	7.21	2.81	65.32	38.82	68.55	42.05	3.56	1.81	7.72	24
1-1/2 x 12	21400	31.1	1.5	2.25	7.88	2.81	43.5	28.5	47.25	32.25	4.06	2.12	8.62	12
1-1/2 x 18	21400	36.4	1.5	2.25	7.88	2.81	55.5	34.5	59.25	38.25	4.06	2.12	8.62	18
1-1/2 x 24	21400	44.2	1.5	2.25	7.88	2.81	67.5	40.5	71.25	44.25	4.06	2.12	8.62	24
1-3/4 x 18	28000	57.5	1.75	2.6	9.4	3.38	55.38	37.38	59.78	41.78	4.62	2.38	10	18
1-3/4 x 24	28000	60	1.75	2.6	9.4	3.38	67.38	43.38	71.78	47.78	4.62	2.38	10	24
2 x 24	37000	102	2	2.62	11.86	3.69	72.62	48.62	77.95	53.95	5.75	2.69	13.09	24
2-1/2 x 24	60000	180	2.5	3.06	13.56	4.44	75.8	51.8	82.4	58.4	6.5	3.12	13.78	24
2-3/4 x 24	75000	214	2.75	3.68	15.22	4.19	77.88	53.88	85.5	61.5	7	3.25	15.22	24

⚠ Never Exceed Working Load Limit

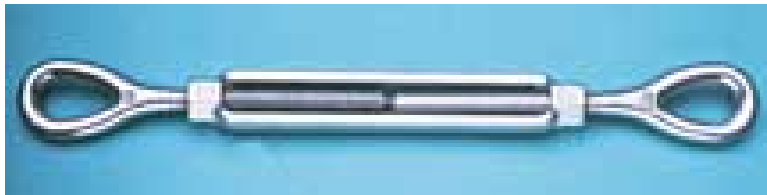




EYE x EYE TURNBUCKLES - TYPE 316 STAINLESS

Drop Forged. Meets ASTM Spec. F1145-92, Type 1, Class H

Size (A)	B	C	L	W.L.L. (lbs.)	Wt. Ea. (lbs.)
1/4"	4"	.33"	8"	500	0.3
5/16"	4.5"	.41"	9.25"	800	0.5
3/8"	6"	.50"	10-5/8"	1200	0.85
1/2"	6"	.75"	12"	2200	1.3

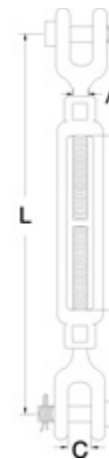


Never Exceed Working Load Limit

JAW x JAW TURNBUCKLES - TYPE 316 STAINLESS

Drop Forged. Meets ASTM Spec. F1145-92, Type 1, Class G

Size (A)	B	C	L	W.L.L. (lbs.)	Wt. Ea. (lbs.)
1/4"	4"	.44"	7.75"	500	0.45
5/16"	4.5"	.50"	9"	800	0.65
3/8"	6"	.56"	10-5/8"	1200	0.9
1/2"	6"	.64"	12"	2200	1.6



Never Exceed Working Load Limit