

Lifting Hardware

To insure the right hardware for the right job, please consult industry publications relating to specifications, standards, and best practices for successful rigging and/or lifting at Crane, Hoist, and Rigging Safety (www.usa.gov) and the Department of Energy standard DOE-STD-1090-2007 regarding Hoisting and Rigging Standards (www.eh.doe.gov).

Hooks- snap carbon steel, zinc plated

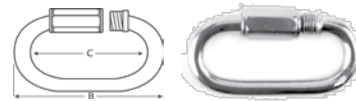
Rated capacity relates to the hook safe capacity. The capacity/strength of any attachment component must be considered. All rated capacities consider a straight vertical pull/lift.



Part Number	Size/ Diameter (A)	OAL Inches (B)	Eye ID (C)	Hook ID (D)	Rated Capacity Lbs.	Wt./Piece Lbs.	Qty.
2011486	1/4 / 6mm	2 3/8	3/8	23/64	260	.08	10
2011487	5/16 / 8mm	3 1/8	1/2	1 5/16	500	.18	10
2011488	3/8 / 10mm	4	5/8	3 3/16	770	.36	5

Links- quick

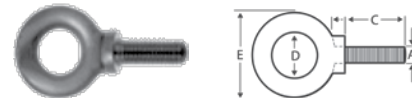
Rated capacity relates to the hook safe capacity. The capacity/strength of any attachment component must be considered. All rated capacities consider a straight vertical pull/lift.



Part Number	Size/ Diameter (A)	OAL Inches (B)	Width ID (C)	Rated Capacity Lbs.	Wt. Per Piece Lbs. (approx.)	Qty.
2011489	3/16 / 5mm	1 15/16	1/2	660	.05	10
2011490	1/4 / 6mm	2 1/2	17/32	880	.08	10
1825029	5/16 / 8mm	2 7/8	23/64	1760	.17	10
2011492	3/8 / 10mm	3 9/16	25/32	2640	.30	5

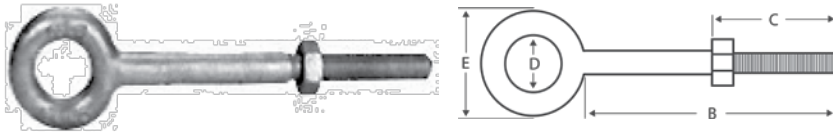
Machine Lifting Eye Bolt- shoulder pattern

Full shank thread to shoulder. UNC. All rated capacities consider a straight vertical lift. Use CAUTION when lifting. Any angle beyond vertical (zero degree) will reduce the rated capacity. Manufactured to ASME Design Specification B18.15.



Part Number	Shank Dia. Inches (A)	Shank Length Inches (C)	ID Inches (D)	OD Inches (E)	Rated Capacity	Wt. Per Piece Lbs. (approx.)	Qty.
2011456	1/4	1	3/4	1 3/16	600	.05	10
2011457	5/16	1 1/8	7/8	1 7/16	1000	.09	10
2011458	3/8	1 1/4	1	1 11/16	1500	.18	10
2011459	7/16	1 3/8	1 1/8	1 3/4	1800	.21	10
2011460	1/2	1 1/2	1 3/16	2 1/8	2500	.36	5
2011461	9/16	1 3/4	1 3/8	2 9/16	4200	.65	5
2011462	5/8	1 3/4	1 3/8	2 9/16	4200	.65	5
2011463	3/4	2	1 1/2	2 7/8	5500	.98	5
2011464	7/8	2 1/4	1 11/16	3 3/16	7000	1.50	3
2011465	1	2 1/2	1 13/16	3 1/2	10000	2.75	3
2011466	1 1/4	3	2 3/16	4 1/2	16000	4.70	2
2011467	1 1/2	3 1/2	2 1/2	5 3/16	22000	7.70	2

Nut Eye Bolt- plain pattern 1045 carbon steel, hot dipped, galvanized



Nut Eye Bolts are not recommended for lifting applications. See Machinery Lifting Eye Bolts for lifting applications (previous page). "Rated Capacity" refers to a straight, zero degree, pull. Pulling at an angle can reduce the rated capacity significantly.

Part Number	Shank Dia. Inches (A)	Shank Length Inches (B)	Thrd. Length Inches (C)	ID Inches (D)	OD Inches (E)	Rated Capacity	Wt./Piece Lbs.	Qty.
2011432	3/8	2 1/2	1 1/2	3/4	1 1/2	1200	.17	5
2011435	3/8	4 1/2	2 1/2	3/4	1 1/2	1200	.25	5
2011436	3/8	6	2 1/2	3/4	1 1/2	1200	.30	5
2011437	1/2	3 1/4	1 1/2	1	2	2100	.40	5
2011438	1/2	6	3	1	2	2100	.42	5
2011439	1/2	8	3	1	2	2100	.55	5
2011440	1/2	10	3	1	2	2100	.67	5
2011441	1/2	12	3	1	2	2100	.75	5
2011442	5/8	4	2	1 1/4	2 1/2	3200	.82	3
2011443	5/8	6	3	1 1/4	2 1/2	3200	.98	3
2011444	5/8	8	3	1 1/4	2 1/2	3200	1.20	3
2011445	5/8	10	4	1 1/4	2 1/2	3200	1.34	3
2011446	5/8	12	4	1 1/4	2 1/2	3200	1.53	3
2011447	3/4	4 1/2	2	1 1/2	3	4500	1.23	3
2011448	3/4	6	3	1 1/2	3	4500	1.38	3
2011449	3/4	8	3	1 1/2	3	4500	1.68	3
2011450	3/4	10	3	1 1/2	3	4500	1.92	3
2011451	3/4	12	3	1 1/2	3	4500	2.16	3
2011452	3/4	15	4	1 1/2	3	4500	2.54	3

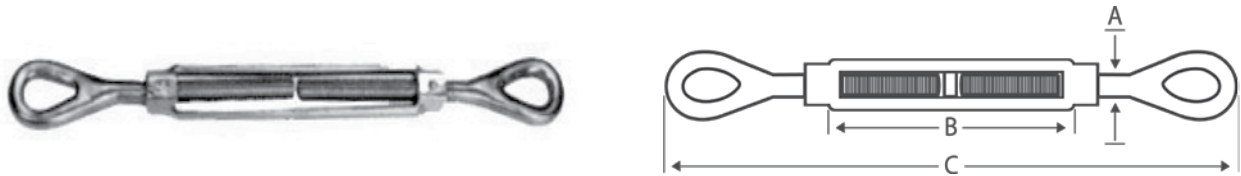
Turnbuckles- eye/eye 1045 carbon steel, hot dipped galvanized

Turnbuckles are rated with full thread engagement. Use caution to insure proper installation.

"Rated Capacity" refers to a straight, zero degree pull. Pulling at an angle can reduce the rated capacity significantly. Safety Factor equals 2.5 Rated Capacity.

Meets specification FF-T-791b, Type 1, Form 1 - Class 4

Open length estimated dependent on how far out of full thread engagement at installation.



Part Number	Fitting Shank Diameter (A)	Body Take-Up Inches (B)	Overall Length Inches (D)	OD Inches (E)	Rated Capacity	Wt./ Piece Lbs.	Qty.
2011468	3/8	6	12 1/8	18	1200	.75	3
2011469	1/2	6	14	21	2200	1.60	3
2011470	1/2	9	17	25	2200	1.83	3
2011471	1/2	12	20	32	2200	2.08	2
2011472	5/8	6	15 9/16	22	3500	2.75	1
2011473	5/8	9	19 1/4	28	3500	3.13	1
2011474	5/8	12	21 5/8	34	3500	3.50	1
2011475	3/4	6	17 5/8	25	5200	3.90	1
2011476	3/4	9	20 3/4	29	5200	4.60	1
2011477	3/4	12	23 5/8	37	5200	5.40	1
2011478	3/4	18	29 5/8	49	5200	7.25	1

Turnbuckles- jaw/jaw

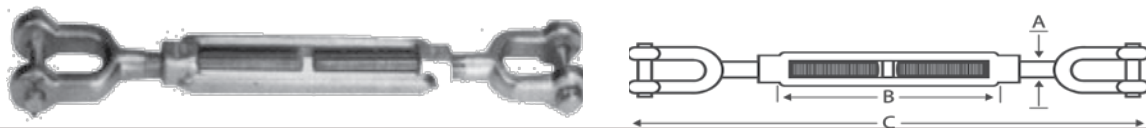
Turnbuckles are rated with full thread engagement. Use caution to insure proper installation.

"Rated Capacity" refers to a straight, zero degree pull. Pulling at an angle can reduce the rated capacity significantly.

Safety Factor equals 2.5 Rated Capacity. Meets specification FF-T-791b, Type 1, Form 1 - Class 7

Jaw ends through 5/8" use nut and bolt, sizes 3/4" and up use clevis/cotter pins for containment.

Open dimension is estimated due to amount of thread engagement at point of installation before take up step.



Part Number	Fitting Shank Diameter (A)	Body Take-Up Inches (B)	Overall Length Inches (D)	OD Inches (E)	Rated Capacity	Wt./ Piece Lbs.	Qty.
2011479	1/4	4	7 5/16	12	500	.36	5
2011480	5/16	4 1/2	9 1/2	14	800	.52	5
2011481	3/8	6	11 3/8	18	1200	.81	3
2011482	1/2	6	13	20	2200	1.50	3
2011483	1/2	9	16	26	2200	1.74	3
2011484	1/2	12	19	32	2200	2.40	2
2011485	5/8	6	14 7/8	22	3500	2.72	1