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Catalog

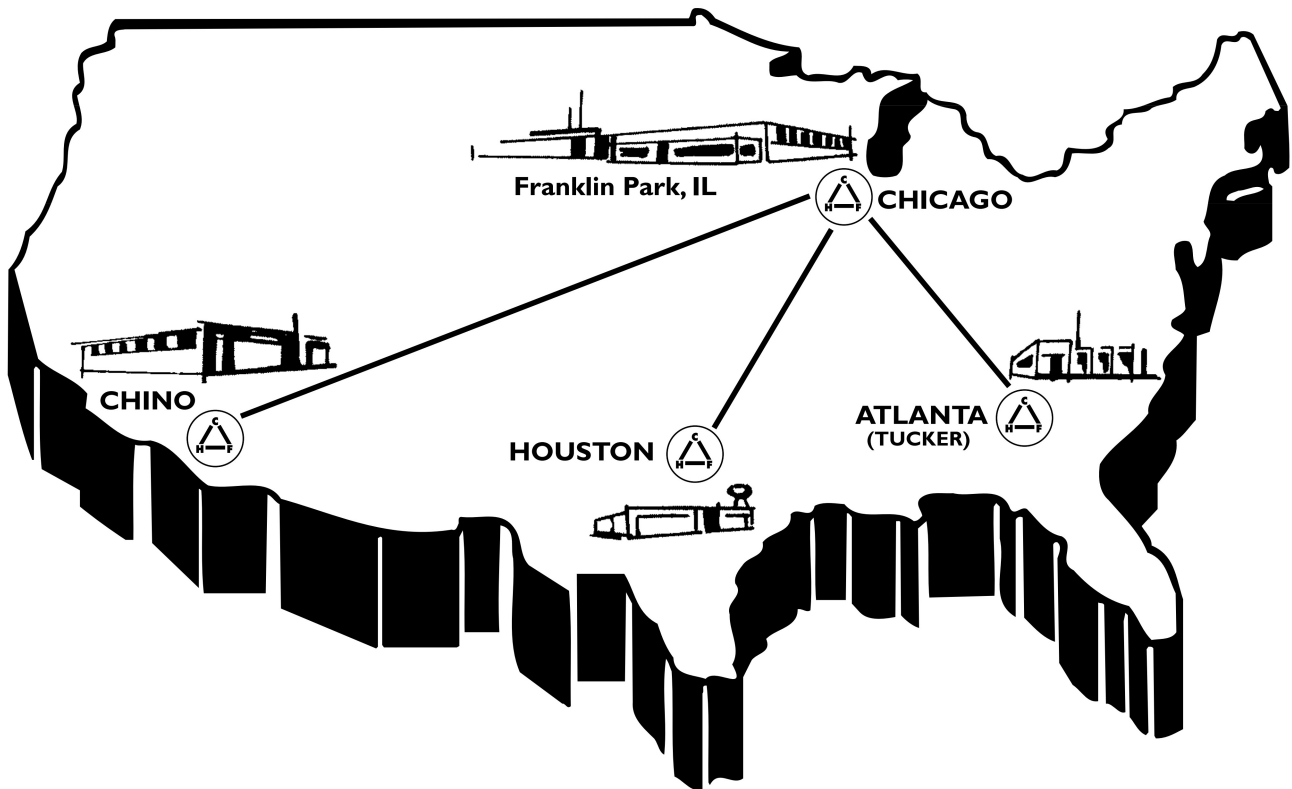
CHICAGO HARDWARE & FIXTURE COMPANY

Manufacturers of Wire Rope and Chain Fittings, Industrial and [Marine](#) Hardware and Allied Products



Sales offices and warehouse stocks are maintained in the principal cities to enable Distributors to promptly service your requirements for The Chicago Line, whether they are stock products or products manufactured to your specifications.

- Franklin Park, IL
- Atlanta, GA (Tucker)
- Chino, CA
- Houston, TX



NOTE: "N.A." denoted in this catalog indicates particular size and or type of product is *Not Available*.

HOW TO REACH US



**Chicago Hardware and
Fixture Company**

MEMBER

 **National Fastener
Distributors Association**





DROP FORGED EYE BOLTS

Regular, shoulder and screw thread (see page 15) drop forged heat treated steel eye bolts supplied as standard with hot galvanized finish. Machine thread eye bolts are threaded National Course before galvanizing and assembled with hex nuts tapped oversize. Loads are based on a safety factor of 5 to 1. When tested all eye bolts are pulled at a uniform rate of speed in a direct tension.

REGULAR – MACHINE THREAD

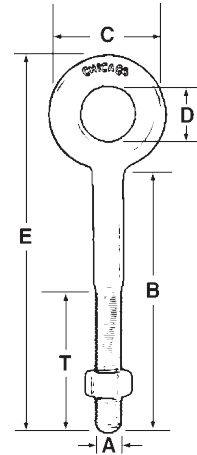
Diameter (A) & Shank Length (B)	Part No.	Dimensions – Inches				Weight Per 100 pcs	Working Load Limit
		Outside Eye (C)	Inside Eye (D)	Overall Length (E)	Thread Length (T)		
1/4" x 2"	08005 7	1"	1/2"	3"	1-1/2"	6.4	500
1/4" x 3"	08008 8	1"	1/2"	4"	1-1/2"	8	500
1/4" x 4"	08011 8	1"	1/2"	5"	2"	9.3	500
1/4" x 5"	08014 9	1"	1/2"	6"	2-1/2"	10.4	500
1/4" x 6"	08017 0	1"	1/2"	7"	3"	11.8	500
5/16" x 2-1/4"	08022 4	1-1/4"	5/8"	3-1/2"	1-1/2"	12.7	800
5/16" x 3-1/4"	08025 5	1-1/4"	5/8"	4-1/2"	1-1/2"	15	800
5/16" x 4-1/4"	08028 6	1-1/4"	5/8"	5-1/2"	2-1/2"	16.5	800
5/16" x 5"	08031 6	1-1/4"	5/8"	6-1/4"	2-1/2"	18.6	800
5/16" x 6"	08034 7	1-1/4"	5/8"	7-1/4"	3"	24.5	800
3/8" x 2-1/2"	08039 2	1-1/2"	3/4"	4"	1-1/2"	19.2	1200
3/8" x 3"	08042 2	1-1/2"	3/4"	4-1/2"	1-1/2"	21.2	1200
3/8" x 4-1/4"	08045 3	1-1/2"	3/4"	6"	2"	24.4	1200
3/8" x 5"	08048 4	1-1/2"	3/4"	6-1/2"	2-1/2"	27.8	1200
3/8" x 6"	08051 4	1-1/2"	3/4"	7-1/2"	3"	30	1200
3/8" x 8"	08054 5	1-1/2"	3/4"	9-1/2"	4"	36	1200
1/2" x 2"	08059 0	2"	1"	4"	1-7/8"	38.5	2200
1/2" x 3-1/4"	08062 0	2"	1"	5-1/4"	1-1/2"	46	2200
1/2" x 4-1/2"	08065 1	2"	1"	6-1/2"	2"	53	2200
1/2" x 6"	08068 2	2"	1"	8"	3"	60	2200
1/2" x 8"	08071 2	2"	1"	10"	4"	71	2200
1/2" x 10"	08074 3	2"	1"	12"	4"	83	2200
1/2" x 12"	08077 4	2"	1"	14"	4"	96	2200
5/8" x 4-1/2"	08082 8	2-5/16"	1-1/4"	6-13/16"	2"	79	3500
5/8" x 6"	08085 9	2-5/16"	1-1/4"	8-5/16"	3"	96	3500
5/8" x 8"	08088 0	2-5/16"	1-1/4"	10-5/16"	4"	128	3500
5/8" x 10"	08091 0	2-5/16"	1-1/4"	12-5/16"	4"	129.5	3500
5/8" x 12"	08094 1	2-5/16"	1-1/4"	14-5/16"	4"	146	3500
5/8" x 15"	08097 2	2-5/16"	1-1/4"	17-5/16"	6"	168	3500
5/8" x 18"	08100 9	2-5/16"	1-1/4"	20-5/16"	6"	195	3500
5/8" x 24"	08103 0	2-5/16"	1-1/4"	26-5/16"	6"	246	3500
3/4" x 4-1/2"	08108 5	2-3/4"	1-1/2"	7-1/4"	2-1/2"	126	5200
3/4" x 6"	08111 5	2-3/4"	1-1/2"	8-3/4"	3"	160	5200
3/4" x 8"	08114 6	2-3/4"	1-1/2"	10-3/4"	4"	180	5200
3/4" x 10"	08117 7	2-3/4"	1-1/2"	12-3/4"	4"	200	5200
3/4" x 12"	08120 7	2-3/4"	1-1/2"	14-3/4"	4"	233	5200
3/4" x 15"	08123 8	2-3/4"	1-1/2"	17-3/4"	6"	254	5200
3/4" x 18"	08126 9	2-3/4"	1-1/2"	20-3/4"	6"	290	5200
3/4" x 24"	08129 0	2-3/4"	1-1/2"	26-3/4"	6"	369	5200
7/8" x 5"	08134 4	3-1/2"	1-3/4"	8-1/2"	2-1/2"	245	7000
7/8" x 8"	08137 5	3-1/2"	1-3/4"	11-1/2"	4"	296	7000
7/8" x 12"	08140 5	3-1/2"	1-3/4"	15-1/2"	4"	366	7000
7/8" x 18"	08143 6	3-1/2"	1-3/4"	21-1/2"	6"	464	7000
7/8" x 24"	08146 7	3-1/2"	1-3/4"	27-1/2"	6"	556	7000
1" x 6"	08151 1	3-3/4"	2"	9-3/4"	3"	301	10000
1" x 9"	08154 2	3-3/4"	2"	12-3/4"	4"	383	10000
1" x 12"	08157 3	3-3/4"	2"	15-3/4"	4"	450	10000
1" x 18"	08160 3	3-3/4"	2"	21-3/4"	6"	584	10000
1" x 24"	08163 4	3-3/4"	2"	27-3/4"	6"	716	10000



WARNING:

Any deviations such as angular lifts, shock loads, modification of the basic forging, etc., will result in drastically reduced working load limits.

Special shank and thread lengths are also available.



Some sizes also available in Stainless Steel. See page 47.

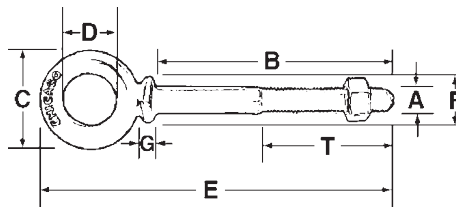


DROP FORGED EYE BOLTS

MACHINE THREAD (As noted on page 14)

WARNING:

Any deviations such as angular lifts, shock loads, modification of the basic forging, etc., will result in drastically reduced working load limits.



SHOULDER

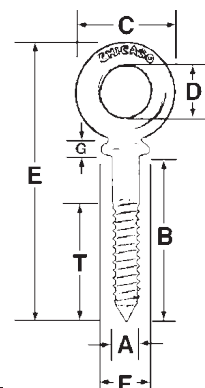
Diameter (A) & Shank Length (B)	Part No.	Dimensions – Inches						Weight Per 100 pcs	Working Load Limit†
		Outside Eye (C)	Inside Eye (D)	Overall Length (E)	Outside Shoulder (F)	Thickness at Shoulder (G)	Thread Length (T)		
1/4" x 2"	08405 5	1"	1/2"	3-1/8"	7/16"	5/64"	1-1/2"	7.4	500
1/4" x 4"	08411 6	1"	1/2"	5-1/8"	7/16"	5/64"	2"	10.7	500
5/16" x 2-1/4"	08422 2	1-1/4"	5/8"	3-5/8"	9/16"	3/32"	1-1/2"	12.9	800
5/16" x 4-1/4"	08428 4	1-1/4"	5/8"	5-5/8"	9/16"	3/32"	2-1/2"	16.8	800
3/8" x 2-1/2"	08439 0	1-1/2"	3/4"	4-1/4"	11/16"	1/8"	1-1/2"	21	1200
3/8" x 4-1/2"	08445 1	1-1/2"	3/4"	6-1/4"	11/16"	1/8"	2"	29	1200
1/2" x 2"	08459 8	2"	1"	4-5/16"	7/8"	5/32"	1-7/8"	44	2200
1/2" x 3-1/4"	08462 8	2"	1"	5-1/2"	7/8"	5/32"	1-1/2"	46	2200
1/2" x 6"	08468 0	2"	1"	8-1/4"	7/8"	5/32"	3"	63	2200
5/8" x 4-1/2"	08482 6	2-5/16"	1-1/4"	7-1/4"	1-1/8"	13/64"	2"	99	3500
5/8" x 6"	08485 7	2-5/16"	1-1/4"	8-9/16"	1-1/8"	13/64"	3"	103	3500
3/4" x 4-1/2"	08508 3	2-3/4"	1-1/2"	7-3/4"	1-3/8"	1/4"	2-1/2"	152	5200
3/4" x 6"	08511 3	2-3/4"	1-1/2"	9-1/8"	1-3/8"	1/4"	3"	166	5200
7/8" x 5"	08534 2	3-1/2"	1-3/4"	9-1/4"	1-1/2"	9/32"	2-1/2"	222	7000
7/8" x 8"	08537 3	3-1/2"	1-3/4"	12-1/8"	1-1/2"	9/32"	4"	269	7000
1" x 6"	08551 9	3-3/4"	2"	10-1/2"	1-3/4"	5/16"	3"	331	10000
1" x 9"	08554 0	3-3/4"	2"	13-1/4"	1-3/4"	5/16"	4"	404	10000

† Loads are based on a safety factor of 5 to 1. Some sizes also available in Stainless Steel. See page 47. Special shank and thread lengths are also available.

SCREW THREAD EYE BOLTS

REGULAR

Diameter (A) & Shank Length (B)	Part No.	Dimensions – Inches				Weight Per 100
		Outside Eye (C)	Inside Eye (D)	Overall Length (E)	Thread Length (T)	
1/4" x 2"	08805 3	1"	1/2"	3"	1-1/2"	5.3
5/16" x 2-1/4"	08810 7	1-1/4"	5/8"	3-1/2"	1-5/8"	9
3/8" x 2-1/2"	08815 2	1-1/2"	3/4"	4"	1-3/4"	16
1/2" x 3-1/4"	08820 6	2"	1"	5-1/4"	2-1/8"	39
5/8" x 4-1/2"	08825 1	2-5/16"	1-1/4"	6-13/16"	2-1/2"	67
3/4" x 4-1/2"	08830 5	2-3/4"	1-1/2"	7-1/4"	3"	108
7/8" x 5"	08835 0	3-1/2"	1-3/4"	8-1/4"	3-1/4"	166
1" x 6"	08840 4	3-3/4"	2"	9-3/4"	3-1/2"	265



Screw eye bolts supplied with cone points – lag screw thread.

SHOULDER

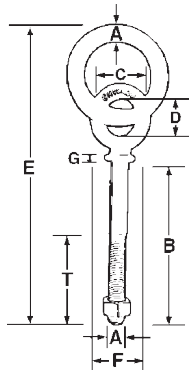
Diameter (A) & Shank Length (B)	Part No.	Dimensions – Inches						Weight Per 100 pcs
		Outside Eye (C)	Inside Eye (D)	Overall Length (E)	Outside Shoulder (F)	Thickness at Shoulder (G)	Thread Length (T)	
1/4" x 2"	08905 0	1"	1/2"	3-1/8"	7/16"	5/64"	1-1/2"	6.7
5/16" x 2-1/4"	08910 4	1-1/4"	5/8"	3-3/4"	9/16"	3/32"	1-5/8"	12
3/8" x 2-1/2"	08915 9	1-1/2"	3/4"	4-1/4"	11/16"	1/8"	1-3/4"	19
1/2" x 3-1/4"	08920 3	2"	1"	5-1/2"	7/8"	5/32"	2-1/8"	42
5/8" x 4-1/2"	08925 8	2-5/16"	1-1/4"	7-1/4"	1-1/8"	13/64"	2-1/2"	86
3/4" x 4-1/2"	08930 2	2-3/4"	1-1/2"	7-3/4"	1-3/8"	1/4"	3"	120
7/8" x 5"	08935 7	3-1/2"	1-3/4"	9"	1-1/2"	9/32"	3-1/4"	189
1" x 6"	08940 1	3-3/4"	2"	10-1/2"	1-3/4"	5/16"	3-1/2"	297



DROP FORGED *RING BOLTS

Ring bolts are only available in hot galvanized finish. Eye bolts are drop forged steel; eye bolt specifications are identical to those shown on pages 14-15. Ring dimensions are shown in table below. **RING BOLTS ARE NOT TO BE USED FOR LIFTING APPLICATIONS.**

REGULAR – MACHINE THREAD



Diameter (A) & Shank Length (B)	Part No.	Dimensions – Inches					Weight Per 100 pcs	Working Load Limit
		O.D. Eye of Bolt (C)	I.D. Eye of Bolt (D)	I.D. Eye of Ring	Overall Length (E)	Thread Length (T)		
1/4" x 2"	09205 0	1"	1/2"	1-3/4"	4-3/4"	1-1/2"	16	250
1/4" x 4"	09211 1	1"	1/2"	1-3/4"	6-3/4"	2"	18	250
5/16" x 2-1/4"	09216 6	1-1/4"	5/8"	2"	5-1/2"	1-1/2"	29	400
5/16" x 4-1/4"	09219 7	1-1/4"	5/8"	2"	7-1/2"	2-1/2"	32.5	400
3/8" x 2-1/2"	09224 1	1-1/2"	3/4"	2-1/2"	6-1/2"	1-1/2"	47.5	600
3/8" x 4-1/4"	09227 2	1-1/2"	3/4"	2-1/2"	8-1/4"	2"	52	600
3/8" x 6"	09230 2	1-1/2"	3/4"	2-1/2"	10"	3"	56	600
3/8" x 8"	09233 3	1-1/2"	3/4"	2-1/2"	12"	4"	62	600
1/2" x 3-1/4"	09238 8	2"	1"	3"	8-1/4"	1-1/2"	108	1100
1/2" x 6"	09241 8	2"	1"	3"	11"	3"	121	1100
1/2" x 8"	09244 9	2"	1"	3"	13"	4"	135.5	1100
1/2" x 10"	09247 0	2"	1"	3"	15"	4"	142.5	1100
5/8" x 4-1/2"	09252 4	2-5/16"	1-1/4"	2-3/4"	9-9/16"	2"	175	1750
5/8" x 6"	09255 5	2-5/16"	1-1/4"	2-3/4"	11-1/16"	3"	190	1750
5/8" x 8"	09258 6	2-5/16"	1-1/4"	2-3/4"	13-1/16"	4"	200	1750
5/8" x 10"	09261 6	2-5/16"	1-1/4"	2-3/4"	15-1/16"	4"	231	1750
5/8" x 12"	09264 7	2-5/16"	1-1/4"	2-3/4"	17-1/16"	4"	242	1750
3/4" x 4-1/2"	09269 2	2-3/4"	1-1/2"	3"	10-1/4"	2-1/2"	281	2600
3/4" x 6"	09272 2	2-3/4"	1-1/2"	3"	11-3/4"	3"	311.5	2600
3/4" x 8"	09275 3	2-3/4"	1-1/2"	3"	13-3/4"	4"	312.5	2600
3/4" x 10"	09278 4	2-3/4"	1-1/2"	3"	15-3/4"	4"	315	2600
3/4" x 12"	09281 4	2-3/4"	1-1/2"	3"	17-3/4"	4"	317.5	2600
7/8" x 5"	09286 9	3-1/2"	1-3/4"	3-1/4"	11-1/2"	2-1/2"	520	3500
7/8" x 8"	09289 0	3-1/2"	1-3/4"	3-1/4"	14-1/2"	4"	538	3500
1" x 6"	09294 4	3-3/4"	2"	3-3/4"	13-1/2"	3"	645	4900
1" x 9"	09297 5	3-3/4"	2"	3-3/4"	16-1/2"	4"	741	4900

*Welded Rings



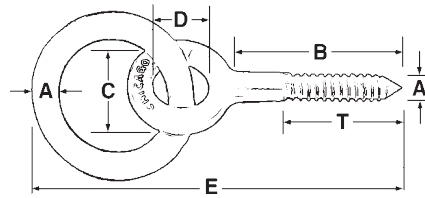
SHOULDER – MACHINE THREAD

Diameter (A) & Shank Length (B)	Part No.	Dimensions – Inches							Weight Per 100 pcs	Working Load Limit
		O.D. Eye of Bolt (C)	I.D. Eye of Bolt (D)	I.D. Eye of Ring	Overall Length (E)	Outside Shoulder (F)	Thickness at Shoulder (G)	Thread Length (T)		
1/4" x 2"	09505 1	1"	1/2"	1-3/4"	4-3/4"	7/16"	5/64"	1-1/2"	17	250
1/4" x 4"	09511 2	1"	1/2"	1-3/4"	6-1/4"	7/16"	5/64"	2"	19	250
5/16" x 2-1/4"	09516 7	1-1/4"	5/8"	2"	5-3/4"	9/16"	3/32"	1-1/2"	30	400
5/16" x 4-1/4"	09519 8	1-1/4"	5/8"	2"	6-5/8"	9/16"	3/32"	2"	33.5	400
3/8" x 2-1/2"	09524 2	1-1/2"	3/4"	2-1/2"	6-1/2"	11/16"	1/8"	1-1/2"	51	600
3/8" x 4-1/2"	09527 3	1-1/2"	3/4"	2-1/2"	8-3/4"	11/16"	1/8"	2"	58	600
1/2" x 3-1/4"	09538 9	2"	1"	3"	8-7/16"	7/8"	5/32"	1-1/2"	115	1100
1/2" x 6"	09541 9	2"	1"	3"	11"	7/8"	5/32"	3"	127	1100
5/8" x 4-1/2"	09552 5	2-5/16"	1-1/4"	2-3/4"	10"	1-1/8"	13/64"	2"	187.5	1750
5/8" x 6"	09555 6	2-5/16"	1-1/4"	2-3/4"	11-1/2"	1-1/8"	13/64"	3"	208	1750
3/4" x 4-1/2"	09569 3	3"	1-1/2"	3"	11"	1-3/8"	1/4"	2-1/2"	288	2600
3/4" x 6"	09572 3	3"	1-1/2"	3"	12-1/8"	1-3/8"	1/4"	3"	310	2600
7/8" x 5"	09586 0	3-1/2"	1-3/4"	3-1/4"	12"	1-1/2"	9/32"	2-1/2"	445	3500
7/8" x 8"	09589 1	3-1/2"	1-3/4"	3-1/4"	15"	1-1/2"	9/32"	4"	482	3500
1" x 6"	09594 5	3-3/4"	2"	3-3/4"	14"	1-3/4"	5/16"	3"	681	4900
1" x 9"	09597 6	3-3/4"	2"	3-3/4"	17"	1-3/4"	5/16"	4"	750	4900

DROP FORGED *RING BOLTS



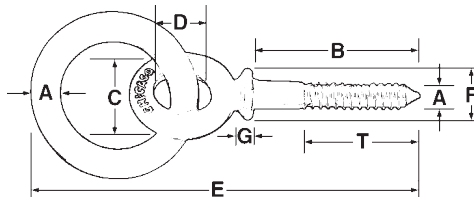
Ring bolts are only available in hot galvanized finish. Eye bolts are drop forged steel; screw thread eye bolt specifications are identical to those shown on the bottom of page 15. Ring dimensions are shown in table below. **RING BOLTS ARE NOT TO BE USED FOR LIFTING APPLICATIONS.**



REGULAR - SCREW THREAD

Diameter (A) & Shank Length (B)	Part No.	Dimensions - Inches					Weight Per 100 pcs
		O.D. Eye of Bolt (C)	I.D. Eye of Bolt (D)	I.D. Eye of Ring	Overall Length (E)	Thread Length (T)	
1/4" x 2"	09005 6	1"	1/2"	1-3/4"	4-3/4"	1-1/2"	16.7
5/16" x 2-1/4"	09010 0	1-1/4"	5/8"	2"	5-1/2"	1-5/8"	25.9
3/8" x 2-1/2"	09015 5	1-1/2"	3/4"	2-1/2"	6-1/2"	1-3/4"	44.3
1/2" x 3-1/4"	09020 9	2"	1"	3"	8-1/4"	2-1/8"	100.7
5/8" x 4-1/2"	09025 4	2-5/16"	1-1/4"	2-3/4"	9-9/16"	2-1/2"	162
3/4" x 4-1/2"	09030 8	2-3/4"	1-1/2"	3"	10-1/4"	3"	253
7/8" x 5"	09035 3	3-1/4"	1-3/4"	3-1/4"	11-1/2"	3-1/4"	403
1" x 6"	09040 7	3-3/4"	2"	3-3/4"	13-1/2"	3-1/2"	599

*Welded Rings



SHOULDER - SCREW THREAD

Diameter (A) & Shank Length (B)	Part No.	Dimensions - Inches							Weight Per 100 pcs
		O.D. Eye of Bolt (C)	I.D. Eye of Bolt (D)	I.D. Eye of Ring	Overall Length (E)	Outside Shoulder (F)	Thickness at Shoulder (G)	Thread Length (T)	
1/4" x 2"	09105 3	1"	1/2"	1-3/4"	4-3/4"	7/16"	5/64"	1-1/2"	15.3
5/16" x 2-1/4"	09110 7	1-1/4"	5/8"	2"	5-1/2"	9/16"	3/32"	1-5/8"	28.9
3/8" x 2-1/2"	09115 2	1-1/2"	3/4"	2-1/2"	6-1/2"	11/16"	1/8"	1-3/4"	45.8
1/2" x 3-1/4"	09120 6	2"	1"	3"	8-1/4"	7/8"	5/32"	2-1/8"	105.8
5/8" x 4-1/2"	09125 1	2-5/16"	1-1/4"	2-3/4"	10-1/4"	1-1/8"	13/64"	2-1/2"	170
3/4" x 4-1/2"	09130 5	2-3/4"	1-1/2"	3"	11"	1-3/8"	1/4"	3"	272
7/8" x 5"	09135 0	3-1/4"	1-3/4"	3-1/4"	12"	1-1/2"	9/32"	3-1/4"	429
1" x 6"	09140 4	3-3/4"	2"	3-3/4"	14-1/2"	1-3/4"	5/16"	3-1/2"	647

*Welded Rings





MACHINERY EYE BOLTS

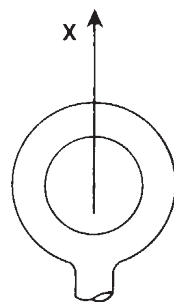
Maximum blank lengths, either pattern indicated in column (1). Vertical loads are based on a safety factor of 5 to 1. Variation in quantity: on special items we reserve the right to a maximum 10% variation for allowances in manufacture.

STANDARD SHANK LENGTHS – PLAIN & SHOULDER PATTERN

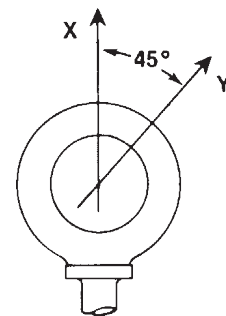
Stock Numbers		Dimensions – Inches						
Plain Pattern	Shoulder Pattern	Shank		Eye		Overall Length Plain	Overall Length Shoulder	Maximum Lengths (1)
		Dia. & Thread	Length	I.D.	O.D.			
1	21	1/4"-20	1"	3/4"	1-1/4"	2-1/4"	2-3/8"	3"
2	22	5/16"-18	1-1/8"	7/8"	1-1/2"	2-5/8"	2-3/4"	4"
3	23	3/8"-16	1-1/4"	1"	1-21/32"	2-29/32"	3-1/4"	4-1/2"
4	24	7/16"-14	1-3/8"	1-3/32"	1-27/32"	3-7/32"	3-5/8"	4-1/2"
5	25	1/2"-13	1-1/2"	1-3/16"	2-1/16"	3-9/16"	4"	4-1/2"
6	26	9/16"-12	1-5/8"	1-9/32"	2-9/32"	3-29/32"	4-1/2"	4-1/2"
7	27	5/8"-11	1-3/4"	1-3/8"	2-1/2"	4-1/4"	4-7/8"	4-1/2"
8	28	3/4"-10	2"	1-1/2"	2-13/16"	4-13/16"	5-1/4"	5"
9	29	7/8"-9	2-1/4"	1-11/16"	3-1/4"	5-1/2"	6"	5"
10	30	1"-8	2-1/2"	1-13/16"	3-9/16"	6-1/16"	7"	5"
11	31	1-1/8"-7	2-3/4"	2"	4"	6-3/4"	7-1/2"	2-3/4"
12	32	1-1/4"-7	3"	2-3/16"	4-7/16"	7-7/16"	8-1/2"	3"
14	34	1-1/2"-6	3-1/2"	2-1/2"	5-3/16"	8-11/16"	9-1/2"	3-1/2"

Working load limits for eye bolts are based on a straight vertical lift in a gradually increasing manner. Angular lifts will significantly lower working load limits (see Shoulder Pattern) and should be avoided whenever possible. If an angular lift is required, a properly seated Shoulder Pattern eye bolt must be used. Loads should always be applied to eye bolts in the plane of the eye, not at an angle to this plane. Angular lifts must never be more than a 45° pull. For angular lifting see page 23.

Diameter and Thread	Working Load Limit	
	Straight Pull (X)	45° Pull (Y) Shoulder Only
1/4"-20	500	125
5/16"-18	900	225
3/8"-16	1400	350
7/16"-14	2000	500
1/2"-13	2600	650
9/16"-12	3200	750
5/8"-11	4000	1000
3/4"-10	6000	1500
7/8"-9	7000	1750
1"-8	9000	2250
1-1/8"-7	12000	2500
1-1/4"-7	15000	3750
1-1/2"-6	21000	4900



Plain Pattern



Shoulder Pattern

ANGULAR LIFTS SHOULD BE AVOIDED WHENEVER POSSIBLE.



MACHINERY EYE BOLTS



Drop forged steel. Heat treated after forging. Self-colored, zinc plated, or hot galvanized. Plain or shoulder type, blank or threaded. Threaded will be supplied unless otherwise specified. See additional specifications and dimensions on page 18.

STANDARD SHANK LENGTHS

PLAIN PATTERN



Available in Zinc Plated and Hot Galvanized. See page 20.

Some sizes available in Stainless Steel. See page 48.

Available in Metric See page 22.

			Threaded		Blank	
Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.	Weight Per 100	Part No.	Weight Per 100
1	1/4"	1"	11605 3	5	11005 1	5.5
2	5/16"	1-1/8"	11625 1	10.5	11025 9	11.5
3	3/8"	1-1/4"	11645 9	15.5	11045 7	16.5
4	7/16"	1-3/8"	11665 7	20.5	11065 5	22
5	1/2"	1-1/2"	11685 5	33	11085 3	35
6	9/16"	1-5/8"	11705 0	44.5	11105 8	45
7	5/8"	1-3/4"	11725 8	64	11125 6	66
8	3/4"	2"	11748 7	90.5	11148 5	97
9	7/8"	2-1/4"	11768 5	135	11168 3	142
10	1"	2-1/2"	11788 3	190.5	11188 1	199
11	1-1/8"	2-3/4"	11808 8	299.5	11208 6	312
12	1-1/4"	3"	11831 6	399	11231 4	412
14	1-1/2"	3-1/2"	11851 4	662.5	11251 2	691



STANDARD SHANK LENGTHS

SHOULDER PATTERN



			Threaded		Blank	
Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.	Weight Per 100	Part No.	Weight Per 100
21	1/4"	1"	12805 6	6	12205 4	6
22	5/16"	1-1/8"	12825 4	10	12225 2	10.5
23	3/8"	1-1/4"	12845 2	16	12245 0	17
24	7/16"	1-3/8"	12865 0	26.5	12265 8	28
25	1/2"	1-1/2"	12885 8	38	12285 6	39
26	9/16"	1-5/8"	12905 3	49	12305 1	52.5
27	5/8"	1-3/4"	12925 1	73.5	12325 9	76.5
28	3/4"	2"	12948 0	99.5	12348 8	104
29	7/8"	2-1/4"	12968 8	172.5	12368 6	178
30	1"	2-1/2"	12988 6	235	12388 4	242
31	1-1/8"	2-3/4"	13008 0	342.5	12408 9	347
32	1-1/4"	3"	13031 8	462.5	12431 7	485
34	1-1/2"	3-1/2"	13051 6	752.5	12451 5	780



PLATED MACHINERY EYE BOLTS

ZINC PLATED

PLAIN PATTERN – ZINC

Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
1	1/4"	1"	26005 3
2	5/16"	1-1/8"	26008 4
3	3/8"	1-1/4"	26011 4
4	7/16"	1-3/8"	26014 5
5	1/2"	1-1/2"	26017 6
6	9/16"	1-5/8"	26020 6
7	5/8"	1-3/4"	26023 7
8	3/4"	2"	26026 8
9	7/8"	2-1/4"	26029 9
10	1"	2-1/2"	26032 9
11	1-1/8"	2-3/4"	26035 0
12	1-1/4"	3"	26038 1
14	1-1/2"	3-1/2"	26041 1

SHOULDER PATTERN – ZINC

Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
21	1/4"	1"	26050 3
22	5/16"	1-1/8"	26053 4
23	3/8"	1-1/4"	26056 5
24	7/16"	1-3/8"	26059 6
25	1/2"	1-1/2"	26062 6
26	9/16"	1-5/8"	26065 7
27	5/8"	1-3/4"	26068 8
28	3/4"	2"	26071 8
29	7/8"	2-1/4"	26074 9
30	1"	2-1/2"	26077 0
31	1-1/8"	2-3/4"	26080 0
32	1-1/4"	3"	26083 1
34	1-1/2"	3-1/2"	26086 2



HOT GALVANIZED

PLAIN PATTERN – GALVANIZED

Plain Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
1	1/4"	1"	26105 0
2	5/16"	1-1/8"	26108 1
3	3/8"	1-1/4"	26111 1
4	7/16"	1-3/8"	26114 2
5	1/2"	1-1/2"	26117 3
6	9/16"	1-5/8"	26120 3
7	5/8"	1-3/4"	26123 4
8	3/4"	2"	26126 5
9	7/8"	2-1/4"	26129 6
10	1"	2-1/2"	26132 6
11	1-1/8"	2-3/4"	26135 7
12	1-1/4"	3"	26138 8
14	1-1/2"	3-1/2"	26141 8

SHOULDER PATTERN – GALVANIZED

Shoulder Pattern No.	Bolt Diameter N.C.	Standard Shank Length	Part No.
21	1/4"	1"	26155 5
22	5/16"	1-1/8"	26158 6
23	3/8"	1-1/4"	26161 6
24	7/16"	1-3/8"	26164 7
25	1/2"	1-1/2"	26167 8
26	9/16"	1-5/8"	26170 8
27	5/8"	1-3/4"	26173 9
28	3/4"	2"	26176 0
29	7/8"	2-1/4"	26179 1
30	1"	2-1/2"	26182 1
31	1-1/8"	2-3/4"	26185 2
32	1-1/4"	3"	26188 3
34	1-1/2"	3-1/2"	26191 3

MACHINERY EYE BOLTS



Variation in quantity: on special items we reserve the right to a maximum 10% variation for allowances in manufacture.



SPECIAL SHANK LENGTHS PLAIN PATTERN

Bolt Diameter N.C.	Special Shank Length	Threaded		Blank	
		Part No.	Weight Per 100	Part No.	Weight Per 100
1/4"	2"	11608 4	6	11008 2	8
1/4"	3"	11611 4	10	11011 2	14
5/16"	2"	11628 2	12	11028 0	14
5/16"	3"	11631 2	14	11031 0	16
5/16"	4"	11634 3	14	11034 1	18
3/8"	2"	11648 0	16	11048 8	18
3/8"	3"	11651 0	18	11051 8	23
3/8"	4"	11654 1	22	11054 9	24
3/8"	4-1/2"	11657 2	22	11057 0	26
7/16"	2"	11668 8	22	11068 6	24
7/16"	3"	11671 8	26	11071 6	30
7/16"	4"	11674 9	30	11074 7	34
7/16"	4-1/2"	11677 0	30	11077 8	36
1/2"	2"	11688 6	32	11088 4	34
1/2"	3"	11691 6	38	11091 4	42
1/2"	4"	11694 7	42	11094 5	48
1/2"	4-1/2"	11697 8	42	11097 6	50
9/16"	2"	11708 1	48	11108 9	52
9/16"	3"	11711 1	54	11111 9	60
9/16"	4"	11714 2	60	11114 0	68
9/16"	4-1/2"	11717 3	60	11117 1	68
5/8"	2"	11728 9	62	11128 7	68
5/8"	3"	11731 9	70	11131 7	74
5/8"	4"	11734 0	74	11134 8	86
5/8"	4-1/2"	11737 1	76	11137 9	90
3/4"	3"	11751 7	96	11151 5	120
3/4"	4"	11754 8	104	11154 6	126
3/4"	4-1/2"	11757 9	108	11157 7	144
3/4"	5"	11760 9	132	11160 7	154
7/8"	3"	11771 5	188	11171 3	196
7/8"	4"	11774 6	202	11174 4	218
7/8"	4-1/2"	11777 7	210	11177 5	224
7/8"	5"	11780 7	218	11180 5	230
1"	3"	11791 3	210	11191 1	232
1"	4"	11794 4	230	11194 2	254
1"	4-1/2"	11797 5	236	11197 3	264
1"	5"	11800 2	254	11200 0	276



SPECIAL SHANK LENGTHS SHOULDER PATTERN

Bolt Diameter N.C.	Special Shank Length	Threaded		Blank	
		Part No.	Weight Per 100	Part No.	Weight Per 100
1/4"	2"	12808 7	8	12208 5	10
1/4"	3"	12811 7	10	12211 5	12
5/16"	2"	12828 5	12	12228 3	14
5/16"	3"	12831 5	14	12231 3	16
5/16"	4"	12834 6	16	12234 4	18
3/8"	2"	12848 3	20	12248 1	22
3/8"	3"	12851 3	22	12251 1	24
3/8"	4"	12854 4	24	12254 2	28
3/8"	4-1/2"	12857 5	26	12257 3	28
7/16"	2"	12868 1	26	12268 9	30
7/16"	3"	12871 1	30	12271 9	32
7/16"	4"	12874 2	34	12274 0	36
7/16"	4-1/2"	12877 3	36	12277 1	38
1/2"	2"	12888 9	40	12288 7	42
1/2"	3"	12891 9	44	12291 7	46
1/2"	4"	12894 0	46	12294 8	50
1/2"	4-1/2"	12897 1	48	12297 9	52
9/16"	2"	12908 4	48	12308 2	52
9/16"	3"	12911 4	52	12311 2	58
9/16"	4"	12914 5	58	12314 3	60
9/16"	4-1/2"	12917 6	60	12317 4	68
5/8"	2"	12928 2	74	12328 0	80
5/8"	3"	12931 2	82	12331 0	86
5/8"	4"	12934 3	90	12334 1	102
5/8"	4-1/2"	12937 4	92	12337 2	104
3/4"	3"	12951 0	116	12351 8	126
3/4"	4"	12954 1	130	12354 9	140
3/4"	4-1/2"	12957 2	132	12357 0	146
3/4"	5"	12960 2	138	12360 0	154
7/8"	3"	12971 8	186	12371 6	198
7/8"	4"	12974 9	202	12374 7	218
7/8"	4-1/2"	12977 0	208	12377 8	226
7/8"	5"	12980 0	216	12380 8	232
1"	3"	12991 6	254	12391 4	270
1"	4"	12994 7	266	12394 5	290
1"	4-1/2"	12997 8	280	12397 6	304
1"	5"	13000 4	290	12400 3	318

See page 18 for specifications and dimensions.

Additional special shank lengths available upon request.





METRIC MACHINERY EYE BOLTS

Dimensions in Millimeters – Some Sizes Available
in Stainless Steel on a Special Basis.



FORGED • CARBON STEEL • SELF-COLORED • SHOULDER PATTERN

Part No.	Metric Size	Approx. Equivalent in Inches	A Thread Size	B Shank Length, mm	C I.D. Eye, mm	Approx. Wt. Per 100 Pcs. in Lbs.	Working Load Limit in Kgs.	Working Load Limit in Lbs.
13805 5	M6	1/4"	M6 x 1.0	25.4	19	6	210	462
13825 3	M7	5/16"	M7 x 1.0	28.5	22	10	370	814
13845 1	M8	3/8"	M8 x 1.25	31.7	25	16	450	992
13865 9	M10	7/16"	M10 x 1.5	35.0	28	21	740	1,628
13885 7	M12	1/2"	M12 x 1.75	38.0	30	38	1,030	2,266
13905 2	M14	9/16"	M14 x 2.0	44.5	35	73	1,600	3,520
13925 0	M16	5/8"	M16 x 2.0	44.5	35	73	1,600	3,520
13948 9	M18	3/4"	M18 x 2.5	51.0	38	104	2,140	4,708
13968 7	M20	7/8"	M20 x 2.5	57.0	43	161	2,860	6,292
13988 5	M24	1"	M24 x 3.0	63.5	46	231	3,850	8,470
14008 9	M27	1-1/8"	M27 x 3.0	70.0	51	335	5,200	11,440
14031 7	M30	1-1/4"	M30 x 3.5	76.0	55	439	6,400	14,080
14051 5	M36	1-1/2"	M36 x 4.0	89.0	63	731	8,970	19,734

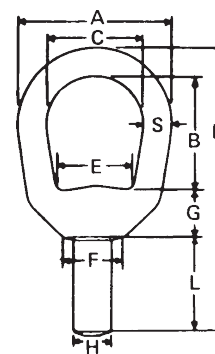
DROP FORGED LIFTING EYES

Drop forged from C-1035 steel, heat treated. Available blank or threaded. Self-colored finish is standard; hot galvanized or other finishes supplied on a special basis. Used in lifting applications where larger eyes are required. When ordering prefix stock number with letter "B" (blank) or "T" (threaded) as required. Loads are based on a safety factor of 5 to 1. Working loading limits for lifting eyes are based on a straight vertical lift in a gradually increasing manner, and should never be used for angular lifts.



LIFTING EYES – SELF-COLORED

Stock Number	Bail Size	Blank Part No.	Threaded Part No.	Threaded Working Load Limit
C-186	1/4"	15005 7	15505 2	860
C-187	5/16"	15010 1	15510 6	1260
C-185	3/8"	15015 6	15515 1	2200
C-181	1/2"	15020 0	15520 5	3600
C-184	5/8"	15025 5	15525 0	5200
C-188	3/4"	15030 9	15530 4	7000



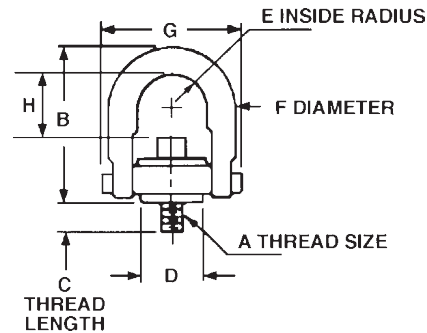
Stock Number	Shank		Dimensions – Inches								Thread Length	Weight Per 100	
	H	L	A	C	B	E	F	G	S	R		Blank	Threaded
C-186	5/16"	1"	1-1/4"	3/4"	1-1/16"	19/32"	1/2"	3/8"	1/4"	2-11/16"	7/8"	12	11
C-187	3/8"	1-1/8"	1-5/8"	1"	1-1/4"	3/4"	9/16"	1/2"	5/16"	3-3/16"	1"	22	22
C-185	1/2"	1-1/4"	2"	1-1/4"	1-1/2"	1"	13/16"	5/8"	3/8"	3-3/4"	1-1/8"	41	38
C-181	5/8"	1-1/2"	2-1/2"	1-1/2"	2"	1-3/16"	1"	11/16"	1/2"	4-11/16"	1-3/8"	81	74
C-184	3/4"	1-7/8"	3"	1-3/4"	2-3/8"	1-3/8"	1-1/8"	7/8"	5/8"	5-3/4"	1-3/4"	139	129
C-188	7/8"	2"	3-1/2"	2"	2-5/8"	1-5/8"	1-5/16"	15/16"	3/4"	6-5/16"	1-7/8"	222	214

ALLOY STEEL SWIVEL HOIST RINGS



Chicago Hardware is proud to announce the addition of Center Pull Style Swivel Hoist Rings to its product line. This is the ideal product for angular lift applications. These Swivel Hoist Rings have full swivel and pivot action.

Our hoist rings are alloy steel with a black oxide finish. They adhere to the same rigid quality standards that have been a part of Chicago Hardware's proud tradition since 1912. Individually proof tested and magnetic particle inspected. From 800 to 24,000 lb load capacities (Rated at 5:1 safety factor).



Part No.	Thread Size (A)	Working Load Limit	Thread Length (C)	B	D	E	F	G	H	Torque
86004 8	5/16"-18	800	9/16"	2.67"	0.75"	0.43"	0.38"	1.84"	1-1/4"	7
86007 9	3/8"-16	1000	9/16"	2.67"	0.75"	0.43"	0.38"	1.84"	1-1/4"	12
86013 0	1/2"-13	2500	3/4"	4.78"	1.5"	0.88"	0.75"	3.52"	2-3/8"	28
86016 1	1/2"-13	2500	1"	4.78"	1.5"	0.88"	0.75"	3.52"	2-3/8"	28
86019 2	1/2"-13	2500	1-1/4"	4.78"	1.5"	0.88"	0.75"	3.52"	2-3/8"	28
86022 2	5/8"-11	4000	1"	4.78"	1.5"	0.88"	0.75"	3.52"	2-1/4"	60
86025 3	5/8"-11	4000	1-1/4"	4.78"	1.5"	0.88"	0.75"	3.52"	2-1/4"	60
86028 4	3/4"-10	5000	1"	4.78"	1.5"	0.88"	0.75"	3.52"	2-1/8"	100
86031 4	3/4"-10	5000	1-1/2"	4.78"	1.5"	0.88"	0.75"	3.52"	2-1/8"	100
86034 5	3/4"-10	7000	1"	6.52"	2.31"	1.4"	1"	5.14"	2-15/16"	100
86037 6	3/4"-10	7000	1-1/2"	6.52"	2.31"	1.4"	1"	5.14"	2-15/16"	100
86043 7	7/8"-9	8000	1-1/4"	6.52"	2.31"	1.4"	1"	5.14"	2-13/16"	160
86046 8	1"-8	10000	1-1/4"	6.52"	2.31"	1.4"	1"	5.14"	2-11/16"	230
86049 9	1"-8	10000	1-1/2"	6.52"	2.31"	1.4"	1"	5.14"	2-11/16"	230
86052 9	1"-8	10000	2-1/4"	6.52"	2.31"	1.4"	1"	5.14"	2-11/16"	230
86055 0	1-1/4"-7	15000	1-7/8"	8.73"	3.19"	1.75"	1.25"	6.5"	4-1/4"	470
86061 1	1-1/2"-6	24000	2-3/4"	12.47"	4.19"	2.25"	1.75"	8.55"	6-1/2"	800

WARNING: DO NOT EXCEED SAFE WORK LOAD



DROP FORGED PAD EYES



DROP FORGED PAD EYES

Stock No.	Part No.	Dimensions – Inches					Weight Per 100 in Lbs.
		Eye		Shoulder		*Overall Height	
		I.D.	O.D.	O.D.	*Thickness		
C-351	22005 7	1/4"	5/8"	5/8"	3/32"	3/4"	3.3
C-350	22010 1	3/4"	1-1/2"	1-1/16"	3/16"	1-5/8"	18.6
C-155	22015 6	1-3/16"	2-1/16"	1-11/16"	3/16"	2-3/8"	49
C-169	22020 0	1-1/4"	2-3/8"	2"	3/16"	2-7/8"	81

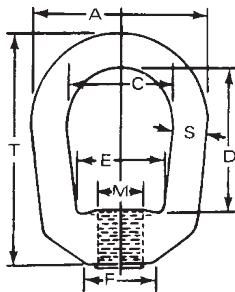
- Forged from carbon steel suitable for welding.
- Supplied with self-colored finish.
- *Not including draft.



DROP FORGED EYE NUTS



Regular



Stock Eye Nuts listed below, other than Blanks, are drilled and tapped standard regardless of finish. Both types drilled only, with special tapping or finish supplied to specification. Loads are based on a safety factor of 5 to 1. Blanks are self-colored.

NOTE: Loads shown apply to Eye Nuts only, based on a vertical pull, and not to any connecting bolt or stud.

REGULAR EYE NUTS

Stock No.	Bail Size	Tap Size	Blank	Drilled & Tapped	
			Self-Colored Part No.	Self-Colored Part No.	Hot Galvanized Part No.
C-186A	1/4"	1/4"-20	16005 6	16255 5	16755 5
C-186B	1/4"	5/16"-18	16010 0	16260 9	16760 9
C-187A	5/16"	3/8"-16	16015 5	16265 4	16765 9
C-185B	3/8"	7/16"-14	16020 9	16270 8	16770 8
C-185A	3/8"	1/2"-13	16025 4	16275 3	16775 8
C-181A	1/2"	5/8"-11	16030 8	16280 7	16780 2
C-184A	5/8"	3/4"-10	16035 3	16285 2	16785 7
C-188A	3/4"	7/8"-9	16040 7	16290 6	16790 1
C-188B	3/4"	1"-8	16045 2	16295 1	16795 6

SPECIFICATIONS

Some sizes also available in Stainless Steel. See page 48.

Stock No.	Tap Sizes		Dimensions – Inches							Working Load Limit (Tons)	Drilled & Tapped Wgt. Per 100	Blank Wgt. Per 100
	Std. M	Max. N	A	C	D	E	F	S	T			
C-186A	1/4"-20	3/8"	1-1/4"	3/4"	1-1/16"	19/32"	1/2"	1/4"	1-11/16"	.26	8.2	9
C-186B	5/16"-18	3/8"	1-1/4"	3/4"	1-1/16"	19/32"	1/2"	1/4"	1-11/16"	.42	8	9
C-187A	3/8"-16	7/16"	1-5/8"	1"	1-1/4"	3/4"	9/16"	5/16"	2-1/16"	.62	15.7	16
C-185B	7/16"-14	1/2"	2"	1-1/4"	1-1/2"	1"	13/16"	3/8"	2-1/2"	.85	29.7	31
C-185A	1/2"-13	1/2"	2"	1-1/4"	1-1/2"	1"	13/16"	3/8"	2-1/2"	1.12	29.3	31
C-181A	5/8"-11	3/4"	2-1/2"	1-1/2"	2"	1-3/16"	1"	1/2"	3-3/16"	1.8	61.5	66
C-184A	3/4"-10	7/8"	3"	1-3/4"	2-3/8"	1-3/8"	1-1/8"	5/8"	3-7/8"	2.6	103	112
C-188A	7/8"-9	1"	3-1/2"	2"	2-5/8"	1-5/8"	1-5/16"	3/4"	4-5/16"	3.6	163	183
C-188B	1"-8	1"	3-1/2"	2"	2-5/8"	1-5/8"	1-5/16"	3/4"	4-5/16"	3.6	161	183



DROP FORGED HEAVY DUTY EYE NUTS

Stock Eye Nuts listed below, other than Blanks, are drilled and tapped standard regardless of finish. Both types drilled only, with special tapping or finish supplied to specification. Loads are based on a safety factor of 5 to 1. Self-colored finish is standard.

NOTE: Loads shown apply to Eye Nuts only, based on a vertical pull, and not to any connecting bolt or stud.

SELF-COLORED – BLANK OR DRILLED AND TAPPED



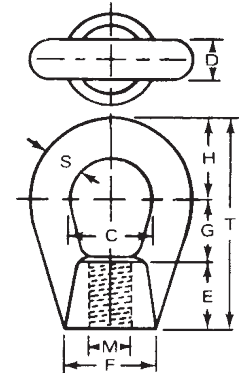
Stock No.	Bail Size	Blank	Drilled & Tapped	
		Part No.	Tap Size	Part No.
100	5/16"	17005 5	3/8"-16	17255 4
101	7/16"	17010 9	1/2"-13	17260 8
102	9/16"	17015 4	5/8"-11	17265 3
103	3/4"	17020 8	3/4"-10	17270 7
104	7/8"	17025 3	7/8"-9	17275 2
105	1"	17030 7	1"-8	17280 6
105A	1"	17035 2	1-1/8"-7	17285 1
106	1-1/4"	17040 6	1-1/4"-7	17290 5
107	1-3/8"	17045 1	1-1/2"-6	17295 0



Blank



Drilled & Tapped



SPECIFICATIONS

Stock No.	Dimensions – Inches									Working Load Limit (Tons)	Drilled & Tapped Wgt. Per 100	Blank Wgt. Per 100
	C	S	D	M	F	E	G	H	T			
100	7/8"	5/16"	5/16"	3/8-16"	3/4"	3/4"	3/4"	3/4"	2-1/4"	.9	15	16
101	1-1/8"	7/16"	7/16"	1/2-13"	1"	1"	1"	1"	3"	1.8	37.5	43
102	1-3/8"	9/16"	9/16"	5/8-11"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	3-3/4"	2.9	82.5	94
103	1-1/2"	3/4"	3/4"	3/4-10"	1-3/4"	1-1/4"	1-1/8"	1-1/2"	3-7/8"	5.3	145	160
104	1-5/8"	7/8"	7/8"	7/8-9"	2"	1-1/4"	1"	1-11/16"	3-15/16"	7.2	202.5	210
105	1-3/4"	1"	1"	1-8"	2-1/4"	1-5/8"	1-1/4"	1-7/8"	4-3/4"	9.4	327.5	340
105A	1-3/4"	1"	1"	1-1/8-7"	2-1/4"	1-5/8"	1-1/4"	1-7/8"	4-3/4"	11.3	297	340
106	2"	1-1/4"	1-1/4"	1-1/4-7"	2-7/8"	1-7/8"	1-3/8"	2-1/4"	5-1/2"	14.7	550	623
107	2-1/2"	1-3/8"	1-3/8"	1-1/2-6"	3-1/8"	2-1/8"	1-3/4"	2-5/8"	6-1/2"	17.8	807.5	919

CLEVIS PINS – HEAT TREATED

SELF-COLORED OR HOT GALVANIZED



Self-Colored Part No.	Hot Galvanized Part No.	Shank Diameter	Dimensions in Inches						Weight Per 100 In Lbs.
			Lengths		Head		Hole		
			Overall	Under Head	O.D.	Thickness	I.D.	*Center	
19005 3	19105 0	1/4"	1-1/4"	1-1/8"	7/16"	1/8"	7/64"	1-1/32"	1.9
19010 7	19110 4	5/16"	1-1/2"	1-3/8"	1/2"	1/8"	7/64"	1-1/4"	3.4
19015 2	19115 9	3/8"	1-11/16"	1-1/2"	9/16"	3/16"	1/8"	1-11/32"	5.7
19020 6	19120 3	7/16"	1-11/16"	1-1/2"	3/4"	3/16"	1/8"	1-23/64"	8.4
19025 1	19125 8	7/16"	1-15/16"	1-3/4"	3/4"	3/16"	1/8"	1-5/8"	9.5
19030 5	19130 2	1/2"	2-5/32"	1-15/16"	13/16"	7/32"	1/8"	1-13/16"	13.3
19035 0	19135 7	5/8"	2-17/32"	2-5/16"	1-1/32"	7/32"	5/32"	2-5/32"	24
19040 4	19140 1	3/4"	3"	2-3/4"	1-3/16"	1/4"	3/16"	2-9/16"	40
19045 9	19145 6	7/8"	3-1/2"	3-1/4"	1-1/4"	1/4"	13/64"	3"	62
19050 3	19150 0	1"	4-5/32"	3-25/32"	1-7/16"	3/8"	13/64"	3-17/32"	96
19055 8	19155 5	1-1/8"	4-5/8"	4-1/4"	1-5/8"	3/8"	13/64"	3-15/16"	134

*From under head

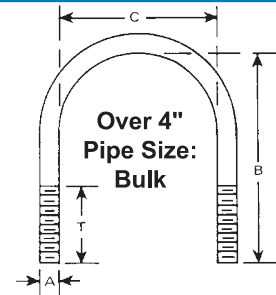


ROUND BEND U-BOLTS

Round Bend U-Bolts for Steel or Wrought Iron pipe sizes 1/4"-18" inclusive, as listed on this and next pages, are produced from low carbon steel and supplied with NC rolled threads and two (2) hex nuts. In addition, U-Bolt plate is available if required.



Standard Pack:
10 Pieces



ZINC PLATED

Some sizes also available in Stainless Steel. See page 50.

U-Bolt Dimensions – Inches				For Pipe Size	U-Bolts & 2 Nuts			U-Bolts, Plates & 2 Nuts		
Diameter & Thread (A)	I.D. (C)	Inside Length (B)	Thread Length (T)		Stock No.	Part No.	Weight Per 100	Stock No.	Part No.	Weight Per 100
1/4"-20	9/16"	1-1/4"	3/4"	1/4"	01	50005 0	5	1	50205 4	7
1/4"-20	3/4"	1-1/4"	5/8"	3/8"	02	50008 1	5	2	50208 5	7
1/4"-20	3/4"	2-1/4"	1-1/2"	3/8"	03	50011 1	7	3	50211 5	9
1/4"-20	1"	1-3/4"	1"	1/2"	04	50014 2	7	4	50214 6	9
1/4"-20	1"	2-3/4"	1-1/4"	1/2"	04L	50017 3	8	4L	50217 7	11
1/4"-20	1-1/8"	2"	1"	3/4"	05	50020 3	7	5	50220 7	9
1/4"-20	1-1/8"	3-1/8"	1-1/2"	3/4"	05L	50023 4	9	5L	50223 8	12
1/4"-20	1-1/4"	2-1/4"	1-1/4"	3/4"	06	50026 5	7.5	6	50226 9	10
1/4"-20	1-1/2"	2-3/4"	1-3/8"	1"	07	50029 6	9	7	50229 0	12
1/4"-20	1-3/4"	3"	1-3/8"	1-1/4"	08	50032 6	9	8	50232 0	12
1/4"-20	2"	3-1/4"	1-3/8"	1-1/2"	09	50035 7	9.5	9	50235 1	14
5/16"-18	1"	2-3/16"	1-3/8"	1/2"	010	50038 8	11	10	50238 2	14
5/16"-18	1-1/8"	2-3/16"	1"	3/4"	0101	50041 8	12	101	50241 2	14.5
5/16"-18	1-3/8"	2-3/16"	1"	1"	011	50044 9	12	11	50244 3	15
5/16"-18	1-3/8"	3-5/8"	2"	1"	011L	50047 0	16	11L	50247 4	20
5/16"-18	1-1/2"	2-3/16"	1"	1"	012	50050 0	12	12	50250 4	15
5/16"-18	1-3/4"	2-11/16"	1-1/8"	1-1/4"	013	50053 1	13	13	50253 5	17.5
5/16"-18	1-3/4"	4-1/2"	2"	1-1/4"	013L	50056 2	19	13L	50256 6	24
5/16"-18	2"	2-11/16"	1"	1-1/2"	014	50059 3	14	14	50259 7	19
5/16"-18	2"	4-3/4"	3"	1-1/2"	014L	50062 3	20	14L	50262 7	25
5/16"-18	2-1/2"	3-3/16"	1"	2"	015	50065 4	16	15	50265 8	21
5/16"-18	2-1/2"	5-5/8"	3"	2"	015L	50068 5	23	15L	50268 9	29
5/16"-18	3"	3-11/16"	1"	2-1/2"	016	50071 5	18	16	50271 9	24
3/8"-16	1"	2-1/4"	1-1/4"	1/2"	017	50074 6	17.5	17	50274 0	22.5
3/8"-16	1-1/4"	2-1/4"	1-1/4"	3/4"	018	50077 7	18	18	50277 1	24
3/8"-16	1-1/2"	2-1/2"	1-1/4"	1"	019	50080 7	18.5	19	50280 1	26
3/8"-16	1-3/4"	2-3/4"	1-1/8"	1-1/4"	020	50083 8	20	20	50283 2	27.5
3/8"-16	2"	2-5/8"	1-1/4"	1-1/2"	021	50086 9	20	21	50286 3	29
3/8"-16	2-1/2"	3-1/8"	1-1/4"	2"	022	50089 0	24.5	22	50289 4	33
3/8"-16	3"	3-5/8"	1-1/4"	2-1/2"	023	50092 0	26	23	50292 4	38
3/8"-16	3"	6-5/8"	3"	2-1/2"	023L	50095 1	41	23L	50295 5	52.5
3/8"-16	3-1/2"	4-1/8"	1-1/4"	3"	024	50098 2	30	24	50298 6	42.5
1/2"-13	3"	4-1/2"	1-5/8"	2-1/2"	025	50101 9	59	25	50301 3	71
1/2"-13	3-1/2"	5"	1-1/2"	3"	026	50104 0	64	26	50304 4	78
1/2"-13	3-1/2"	8-1/2"	3"	3"	026L	50107 1	95	26L	50307 5	110
1/2"-13	4"	5-1/2"	1-1/2"	3-1/2"	027	50110 1	70	27	50310 5	87
1/2"-13	4-1/2"	6"	1-1/2"	4"	028	50113 2	75	28	50313 6	92.5
1/2"-13	5-5/8"	7-1/4"	2"	5"	029	50116 3	90	N.A.	N.A.	N.A.
1/2"-13	6-3/4"	8-3/8"	2"	6"	030	50119 4	101	N.A.	N.A.	N.A.
1/2"-13	8-3/4"	10-3/8"	2"	8"	031	50122 4	120	N.A.	N.A.	N.A.
*3/4"-10	10-7/8"	13-13/16"	4"	10"	032	50125 5	440	N.A.	N.A.	N.A.
*7/8"-9	12-7/8"	16-1/16"	4-1/4"	12"	033	50128 6	710	N.A.	N.A.	N.A.
*7/8"-9	14-1/8"	17-5/16"	4-1/4"	14"	034	50131 6	755	N.A.	N.A.	N.A.
*7/8"-9	16-1/8"	19-5/16"	4-1/4"	16"	035	50134 7	850	N.A.	N.A.	N.A.
*1"-8	18-1/8"	21-11/16"	4-3/4"	18"	036	50137 8	1245	N.A.	N.A.	N.A.

*Full Stock Diameter with Cut Thread. See page 34 for dimensions of steel pipe.

ROUND BEND U-BOLTS



Zinc plated and hot galvanized finishes are standard. Other types of rust preventative coatings or self-colored (black) available on a special basis. Round, Square or "V" type U-Bolts to 1" diameter manufactured to specifications in both ferrous and non-ferrous metals.

Stock numbers followed by "L" denote long length u-bolts designed for use in applications requiring longer tangents.

See additional specifications and dimensions on the next page.



HOT GALVANIZED

Some sizes also available in Stainless Steel. See page 50.

U-Bolt Dimensions – Inches				For Pipe Size	U-Bolts & 2 Nuts			U-Bolts, Plates & 2 Nuts		
Diameter & Thread (A)	I.D. (C)	Inside Length (B)	Thread Length (T)		Stock No.	Part No.	Weight Per 100	Stock No.	Part No.	Weight Per 100
1/4"-20	9/16"	1-1/4"	3/4"	1/4"	01HG	53005 7	5	1HG	53605 9	7
1/4"-20	3/4"	1-1/4"	5/8"	3/8"	02HG	53008 8	5	2HG	53608 0	7
1/4"-20	3/4"	2-1/4"	1-1/2"	3/8"	03HG	53011 8	7	3HG	53611 0	9
1/4"-20	1"	1-3/4"	1"	1/2"	04HG	53014 9	7	4HG	53614 1	9
1/4"-20	1"	2-3/4"	1-1/4"	1/2"	04LHG	53017 0	8	4LHG	53617 2	11
1/4"-20	1-1/8"	2"	1"	3/4"	05HG	53020 0	7	5HG	53620 2	9
1/4"-20	1-1/8"	3-1/8"	1-1/2"	3/4"	05LHG	53023 1	9	5LHG	53623 3	12
1/4"-20	1-1/4"	2-1/4"	1-1/4"	3/4"	06HG	53026 2	7.5	6HG	53626 4	10
1/4"-20	1-1/2"	2-3/4"	1-3/8"	1"	07HG	53029 3	9	7HG	53629 5	12
1/4"-20	1-3/4"	3"	1-3/8"	1-1/4"	08HG	53032 3	9	8HG	53632 5	12
1/4"-20	2"	3-1/4"	1-3/8"	1-1/2"	09HG	53035 4	9.5	9HG	53635 6	14
5/16"-18	1"	2-3/16"	1-3/8"	1/2"	010HG	53038 5	11	10HG	53638 7	14
5/16"-18	1-1/8"	2-3/16"	1"	3/4"	0101HG	53041 5	12	101HG	53641 7	14.5
5/16"-18	1-3/8"	2-3/16"	1"	1"	011HG	53044 6	12	11HG	53644 8	15
5/16"-18	1-3/8"	3-5/8"	2"	1"	011LHG	53047 7	16	11LHG	53647 9	20
5/16"-18	1-1/2"	2-3/16"	1"	1"	012HG	53050 7	12	12HG	53650 9	15
5/16"-18	1-3/4"	2-11/16"	1-1/8"	1-1/4"	013HG	53053 8	13	13HG	53653 0	17.5
5/16"-18	1-3/4"	4-1/2"	2"	1-1/4"	013LHG	53056 9	19	13LHG	53656 1	24
5/16"-18	2"	2-11/16"	1"	1-1/2"	014HG	53059 0	14	14HG	53659 2	19
5/16"-18	2"	4-3/4"	3"	1-1/2"	014LHG	53062 0	20	14LHG	53662 2	25
5/16"-18	2-1/2"	3-3/16"	1"	2"	015HG	53065 1	16	15HG	53665 3	21
5/16"-18	2-1/2"	5-5/8"	3"	2"	015LHG	53068 2	23	15LHG	53668 4	29
5/16"-18	3"	3-11/16"	1"	2-1/2"	016HG	53071 2	18	16HG	53671 4	24
3/8"-16	1"	2-1/4"	1-1/4"	1/2"	017HG	53074 3	17.5	17HG	53674 5	22.5
3/8"-16	1-1/4"	2-1/4"	1-1/4"	3/4"	018HG	53077 4	18	18HG	53677 6	24
3/8"-16	1-1/2"	2-1/2"	1-1/4"	1"	019HG	53080 4	18.5	19HG	53680 6	26
3/8"-16	1-3/4"	2-3/4"	1-1/8"	1-1/4"	020HG	53083 5	20	20HG	53683 7	27.5
3/8"-16	2"	2-5/8"	1-1/4"	1-1/2"	021HG	53086 6	20	21HG	53686 8	29
3/8"-16	2-1/2"	3-1/8"	1-1/4"	2"	022HG	53089 7	24.5	22HG	53689 9	33
3/8"-16	3"	3-5/8"	1-1/4"	2-1/2"	023HG	53092 7	26	23HG	53692 9	38
3/8"-16	3"	6-5/8"	3"	2-1/2"	023LHG	53095 8	41	23LHG	53695 0	52.5
3/8"-16	3-1/2"	4-1/8"	1-1/4"	3"	024HG	53098 9	30	24HG	53698 1	42.5
1/2"-13	3"	4-1/2"	1-5/8"	2-1/2"	025HG	53101 6	59	25HG	53701 8	71
1/2"-13	3-1/2"	5"	1-1/2"	3"	026HG	53104 7	64	26HG	53704 9	78
1/2"-13	3-1/2"	8-1/2"	3"	3"	026LHG	53107 8	95	26LHG	53707 0	110
1/2"-13	4"	5-1/2"	1-1/2"	3-1/2"	027HG	53110 8	70	27HG	53710 0	87
1/2"-13	4-1/2"	6"	1-1/2"	4"	028HG	53113 9	75	28HG	53713 1	92.5
1/2"-13	5-5/8"	7-1/4"	2"	5"	029HG	53116 0	90	N.A.	N.A.	N.A.
1/2"-13	6-3/4"	8-3/8"	2"	6"	030HG	53119 1	101	N.A.	N.A.	N.A.
1/2"-13	8-3/4"	10-3/8"	2"	8"	031HG	53122 1	120	N.A.	N.A.	N.A.
*3/4"-10	10-7/8"	13-13/16"	4"	10"	032HG	53125 2	440	N.A.	N.A.	N.A.
*7/8"-9	12-7/8"	16-1/16"	4-1/4"	12"	033HG	53128 3	710	N.A.	N.A.	N.A.
*7/8"-9	14-1/8"	17-5/16"	4-1/4"	14"	034HG	53131 3	755	N.A.	N.A.	N.A.
*7/8"-9	16-1/8"	19-5/16"	4-1/4"	16"	035HG	53134 4	850	N.A.	N.A.	N.A.
*1"-8	18-1/8"	21-11/16"	4-3/4"	18"	036HG	53137 5	1245	N.A.	N.A.	N.A.

*Full Stock Diameter with Cut Thread

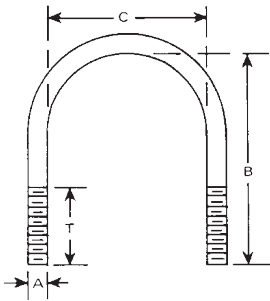
Chicago • Chino • Atlanta • Houston



ROUND BEND U-BOLTS



ALUMINUM



U-Bolt Dimensions – Inches				For Pipe Size	U-Bolts & 2 Nuts		
Diameter & Thread (A)	I.D. (B)	Inside Length (C)	Thread Length (T)		Stock No.	Part No.	Weight Per 100
1/4"-20	3/4"	1-1/4"	5/8"	3/8"	02AL	60008 8	1.5
1/4"-20	1"	1-3/4"	1"	1/2"	04AL	60014 9	2
1/4"-20	1-1/8"	2"	1"	3/4"	05AL	60020 0	2
1/4"-20	1-1/2"	2-3/4"	1-3/8"	1"	07AL	60029 3	3.5
1/4"-20	1-3/4"	3"	1-3/8"	1-1/4"	08AL	60032 3	4
1/4"-20	2"	3-1/4"	1-3/8"	1-1/2"	09AL	60035 4	4
5/16"-18	1-3/8"	2-3/16"	1"	1"	011AL	60044 6	5
5/16"-18	2"	2-11/16"	1"	1-1/2"	014AL	60059 0	5.2
5/16"-18	2-1/2"	3-3/16"	1"	2"	015AL	60065 1	5.5
3/8"-16	1-1/2"	2-1/2"	1-1/4"	1"	019AL	60080 4	6.5
3/8"-16	2"	2-5/8"	1-1/4"	1-1/2"	021AL	60086 6	7
3/8"-16	2-1/2"	3-1/8"	1-1/4"	2"	022AL	60089 7	7.1
3/8"-16	3-1/2"	4-1/8"	1-1/4"	3"	024AL	60098 9	10.5
1/2"-13	3-1/2"	5"	1-1/2"	3"	026AL	60104 7	22.5
1/2"-13	4-1/2"	6"	1-1/2"	4"	028AL	60113 9	27
1/2"-13	6-3/4"	8-3/8"	2"	6"	030AL	60119 1	36

*Full Stock Diameter with Cut Thread

DIMENSIONS OF WELDED AND SEAMLESS STEEL PIPE

Pipe Size	Outside Diameter
1/4"	.540"
3/8"	.675"
1/2"	.840"
3/4"	1.05"
1"	1.315"
1-1/4"	1.66"
1-1/2"	1.90"
2"	2.375"
2-1/2"	2.875"
3"	3.500"
3-1/2"	4.000"
4"	4.500"
5"	5.563"
6"	6.625"
8"	8.625"
10"	10.750"
12"	12.750"
14"	14.000"
16"	16.000"
18"	18.000"

Some sizes also
available in
Stainless Steel.
See page 50.

U-BOLT PLATES



U-Bolt plates are low carbon cold rolled steel with rounded edges and zinc plated or hot galvanized finish. Plate holes are punched "on centers" of corresponding size U-Bolt and identified by stock numbers.

Dimensions – Inches		
For U-Bolt Diameter	Gauge	Width
1/4" and 5/16"	.078"	.750"
3/8" and 1/2"	.109"	1.000"

ROUND BEND LONG TANGENT U-BOLTS

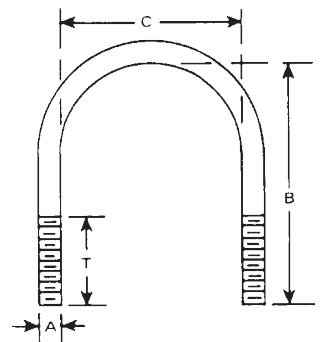


ZINC PLATED U-BOLTS WITH 4 NUTS

Stock No.	Part No.	Pipe Size	A Diameter	C Inside Width	B Inside Length	T Thread Length	Weight Per 100	
							U-Bolt Only	U-Bolt & 4 Nuts
LT-B	51460 6	1/2"	1/4"-20	7/8"	2-15/16"	2-1/2"	6	9
LT-C	51465 1	3/4"	1/4"-20	1-1/8"	3-3/16"	2-1/2"	7	10
LT-D	51470 5	1"	1/4"-20	1-3/8"	3-7/16"	2-1/2"	8	11
LT-1	51505 4	1/2"	3/8"-16	15/16"	3"	2-3/8"	17.5	24
LT-2	51510 8	3/4"	3/8"-16	1-1/8"	3-5/16"	2-3/8"	19	25.5
LT-3	51515 3	1"	3/8"-16	1-3/8"	3-7/16"	2-3/8"	20	26.5
LT-4	51520 7	1-1/4"	3/8"-16	1-11/16"	3-23/32"	2-3/8"	21.5	28
LT-5	51525 2	1-1/2"	3/8"-16	2"	4"	2-1/2"	23.5	30
LT-6	51530 6	2"	3/8"-16	2-7/16"	4-7/16"	2-1/2"	26.5	33
LT-7	51535 1	2-1/2"	1/2"-13	2-15/16"	5-7/32"	3"	57	71
LT-8	51540 5	3"	1/2"-13	3-9/16"	5-3/4"	3"	62	77
LT-9	51545 0	3-1/2"	1/2"-13	4-1/16"	6-1/4"	3"	68	82
LT-10	51550 4	4"	1/2"-13	4-9/16"	6-3/4"	3"	74	89
LT-11	51555 9	5"	1/2"-13	5-5/8"	7-13/16"	3"	86	101
LT-12	51560 3	6"	5/8"-11	6-3/4"	9-1/2"	3-3/4"	167	194.5
LT-13	51565 8	8"	5/8"-11	8-3/4"	11-1/8"	3-3/4"	196	223.5
LT-14	51570 2	10"	3/4"-10	10-7/8"	13-13/16"	4"	440	460



Zinc Plated



HOT GALVANIZED U-BOLTS WITH 4 NUTS

Stock No.	Part No.	Pipe Size	A Diameter	C Inside Width	B Inside Length	T Thread Length	Weight Per 100	
							U-Bolt Only	U-Bolt & 4 Nuts
LT-BHG	53165 8	1/2"	1/4"-20	7/8"	2-15/16"	2-1/2"	7	9
LT-CHG	53175 7	3/4"	1/4"-20	1-1/8"	3-3/16"	2-1/2"	8	10
LT-DHG	53180 1	1"	1/4"-20	1-3/8"	3-7/16"	2-1/2"	9	11
LT-1 HG	53205 1	1/2"	3/8"-16	15/16"	3"	2-3/8"	17.5	24
LT-2 HG	53210 5	3/4"	3/8"-16	1-1/8"	3-5/16"	2-3/8"	19	25.5
LT-3 HG	53215 0	1"	3/8"-16	1-3/8"	3-7/16"	2-3/8"	20	26.5
LT-4 HG	53220 4	1-1/4"	3/8"-16	1-11/16"	3-23/32"	2-3/8"	21.5	28
LT-5 HG	53225 9	1-1/2"	3/8"-16	2"	4"	2-1/2"	23.5	30
LT-6 HG	53230 3	2"	3/8"-16	2-7/16"	4-7/16"	2-1/2"	26.5	33
LT-7 HG	53235 8	2-1/2"	1/2"-13	2-15/16"	5-7/32"	3"	57	71
LT-8 HG	53240 2	3"	1/2"-13	3-9/16"	5-3/4"	3"	62	77
LT-9 HG	53245 7	3-1/2"	1/2"-13	4-1/16"	6-1/4"	3"	68	82
LT-10 HG	53250 1	4"	1/2"-13	4-9/16"	6-3/4"	3"	74	89
LT-11 HG	53255 6	5"	1/2"-13	5-5/8"	7-13/16"	3"	86	101
LT-12 HG	53260 0	6"	5/8"-11	6-3/4"	9-1/2"	3-3/4"	167	194.5
LT-13 HG	53265 5	8"	5/8"-11	8-3/4"	11-1/8"	3-3/4"	196	223.5
LT-14 HG	53270 9	10"	3/4"-10	10-7/8"	13-13/16"	4"	440	460



Hot Galvanized

Some sizes also available in Stainless Steel. See page 51.





SQUARE BEND U-BOLTS

Furnished with 3/8" nuts and flat washers.

ZINC PLATED U-BOLTS WITH 2 NUTS AND 2 WASHERS



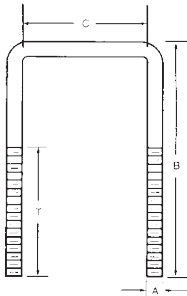
Zinc Plated

Stock No.	Part No.	A Diameter	C Inside Width	B Overall Length	T Thread Length	Weight Per 100	
						U-Bolt Only	U-Bolt & 4 Nuts
SB-1	51005 9	3/8"-16	2"	3"	1-1/2"	19	25.5
SB-2	51010 3	3/8"-16	2"	5"	3"	29	35.5
SB-3	51015 8	3/8"-16	2"	7"	3-3/4"	38.5	44.5
SB-4	51020 2	3/8"-16	4"	3"	1-1/2"	23.5	29.5
SB-5	51025 7	3/8"-16	4"	5"	3"	33.5	40
SB-6	51030 1	3/8"-16	4"	7"	3-3/4"	43.5	49.5
SB-7	51035 6	3/8"-16	6"	5"	3"	38.5	44.5
SB-8	51040 0	3/8"-16	6"	7"	3-3/4"	48	56
SB-9	51045 5	3/8"-16	6"	9"	5-5/8"	57	63

Also available in Stainless Steel. See page 51.



HOT GALVANIZED U-BOLTS WITH 2 NUTS AND 2 WASHERS



Stock No.	Part No.	A Diameter	C Inside Width	B Overall Length	T Thread Length	Weight Per 100	
						U-Bolt Only	U-Bolt & 4 Nuts
SB-1HG	53405 5	3/8"-16	2"	3"	1-1/2"	19	25.5
SB-2HG	53410 9	3/8"-16	2"	5"	3"	29	35.5
SB-3HG	53415 4	3/8"-16	2"	7"	3-3/4"	38.5	44.5
SB-4HG	53420 8	3/8"-16	4"	3"	1-1/2"	23.5	29.5
SB-5HG	53425 3	3/8"-16	4"	5"	3"	33.5	40
SB-6HG	53430 7	3/8"-16	4"	7"	3-3/4"	43.5	49.5
SB-7HG	53435 2	3/8"-16	6"	5"	3"	38.5	44.5
SB-8HG	53440 6	3/8"-16	6"	7"	3-3/4"	48	56
SB-9HG	53445 1	3/8"-16	6"	9"	5-5/8"	57	63



Hot Galvanized

U-BOLT DISPLAY



U-BOLT DISPLAY PART # 60040 8

Qty.	Stock No.	Pipe Size	Thread Diameter
10	4	1/2"	1/4"-20
10	5	3/4"	1/4"-20
10	5L	3/4"	1/4"-20
10	7	1"	1/4"-20
10	11	1"	5/16"-18
10	11L	1"	5/16"-18
10	13	1-1/4"	5/16"-18
10	13L	1-1/4"	5/16"-18
10	14	1-1/2"	5/16"-18
10	14L	1-1/2"	5/16"-18
10	15	2"	5/16"-18
10	15L	2"	5/16"-18
10	22	2"	3/8"-16
10	24	3"	3/8"-16

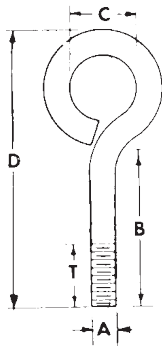
140 U-Bolts
Shipping Wt.35 lbs.

ZINC PLATED TURNED EYE BOLTS



Turned eye bolts are manufactured from low carbon cold drawn steel wire and are supplied with NC rolled machine threads with one hex nut unassembled. Zinc plated finish is standard; other rust preventive finishes or self-colored available on a special basis. When it is not feasible to utilize a standard eye bolt, we can manufacture to your specifications.

MACHINE THREAD



Some sizes also
available in
Stainless Steel.
See page 49.

Stock No.	Part No.	Dimensions – Inches					Weight Per 100 in lbs.	Working Load Limit (lbs.)
		Thread Diameter (A)	Shank Length (B)	I.D. Eye (C)	Overall Length (D)	Thread Length (T)		
A-1	07005 8	1/8" (6-32)	3/4"	1/4"	1-1/4"	5/8"	.75	22
B-1	07010 2	5/32" (8-32)	1-1/8"	1/4"	1-11/16"	1"	1.31	36
C-1	07015 7	3/16" (10-24)	1"	3/8"	1-11/16"	7/8"	1.81	38
C-2	07020 1	3/16" (10-24)	1-3/8"	5/16"	2"	1-1/4"	1.875	38
C-3	07025 6	3/16" (10-24)	2"	3/8"	2-11/16"	1"	2.375	38
C-4	07030 0	3/16" (10-24)	3"	3/8"	3-11/16"	1-1/2"	2.94	38
D-1	07035 5	7/32" (12-24)	1-1/2"	3/8"	2-1/4"	1-3/8"	1.67	52
E-1	07040 9	1/4"-20	1"	1/2"	2"	7/8"	3.75	74
E-2	07045 4	1/4"-20	1-1/2"	1/2"	2-1/2"	1-1/4"	4.375	74
E-2A	07050 8	1/4"-20	1-7/8"	7/16"	2-3/4"	1-5/8"	5.2	74
E-3	07055 3	1/4"-20	2"	1/2"	3"	1-1/4"	5	74
E-4	07060 7	1/4"-20	2-1/2"	1/2"	3-1/2"	1-1/4"	5.6	74
E-5	07065 2	1/4"-20	3"	1/2"	4"	1-1/2"	6.3	74
E-6	07070 6	1/4"-20	3-1/2"	1/2"	4-1/2"	2"	6.9	74
E-7	07075 1	1/4"-20	4"	1/2"	5"	2-1/2"	7.5	74
E-8	07080 5	1/4"-20	5"	1/2"	6"	3"	8	74
E-9	07085 0	1/4"-20	6"	1/2"	7"	4"	9	74
F-1	07090 4	5/16"-18	1"	5/8"	2-1/8"	7/8"	7	96
F-2	07095 9	5/16"-18	2"	5/8"	3-1/8"	1-1/4"	9	96
F-2A	07100 0	5/16"-18	2-1/4"	9/16"	3-3/8"	2"	9.7	96
F-3	07105 5	5/16"-18	2-1/2"	5/8"	3-5/8"	1-1/4"	10	96
F-4	07110 9	5/16"-18	3"	5/8"	4-1/8"	1-1/2"	11	96
F-5	07115 4	5/16"-18	3-1/2"	5/8"	4-5/8"	2"	11	96
F-6	07120 8	5/16"-18	4"	5/8"	5-1/8"	2-1/2"	12	96
F-7	07125 3	5/16"-18	5"	5/8"	6-1/8"	3"	14	96
F-8	07130 7	5/16"-18	6"	5/8"	7-1/8"	4"	15	96
F-9	07135 2	5/16"-18	6-1/2"	7/8"	7-3/4"	4"	18	96
G-1	07140 6	3/8"-16	1"	3/4"	2-1/2"	7/8"	12	144
G-2	07145 1	3/8"-16	2"	3/4"	3-1/2"	1-1/4"	15	144
G-2A	07150 5	3/8"-16	2-1/2"	21/32"	3-3/4"	2-1/4"	15.7	144
G-3	07155 0	3/8"-16	2-1/2"	3/4"	4"	1-1/2"	15.5	144
G-4	07160 4	3/8"-16	3"	3/4"	4-1/2"	1-1/2"	17	144
G-5	07165 9	3/8"-16	3-1/2"	3/4"	5"	2"	18	144
G-6	07170 3	3/8"-16	4"	3/4"	5-1/2"	2-1/2"	21	144
G-7	07175 8	3/8"-16	5"	3/4"	6-1/2"	3"	22	144
G-8	07180 2	3/8"-16	6"	3/4"	7-1/2"	4"	24	144
G-9	07185 7	3/8"-16	8"	3/4"	9-1/2"	4"	30	144
G-10	07190 1	3/8"-16	10"	3/4"	11-1/2"	4"	34	144
G-11	07195 6	3/8"-16	12"	3/4"	13-1/2"	4"	39	144
H-1	07200 7	7/16"-14	6"	7/8"	7-3/4"	4"	36	216
H-2	07205 2	7/16"-14	8"	7/8"	9-3/4"	4"	42	216
J-1	07210 6	1/2"-13	2"	1"	4"	1-1/2"	33	298
J-2	07215 1	1/2"-13	4"	1"	6"	2-1/2"	41	298
J-3	07220 5	1/2"-13	6"	1"	8"	4"	50	298
J-4	07225 0	1/2"-13	8"	1"	10"	4"	58	298
J-5	07230 4	1/2"-13	10"	1"	12"	4"	68	298

Standard Pack

A-1 through D-1: 50 Pieces

E-1 through J-5: 10 Pieces

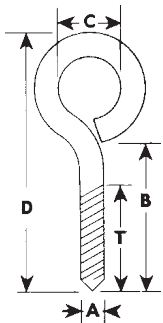


ZINC PLATED TURNED EYE BOLTS

LAG THREADS



Lag Screw threaded Turned Eye Bolts are comparable in steel specification, finish and packaging to machine thread Turned Eye Bolts listed on page 37. Lag screw threads are rolled to fit standard anchors and shields and supplied with gimlet point.



Stock No.	Part No.	Dimensions – Inches					Weight Per 100 in lbs.
		Thread Diameter (A)	Shank Length (B)	I.D. Eye (C)	Overall Length (D)	Thread Length (T)	
LS-1	07855 9	1/4"	2-3/4"	1/2"	3-11/16"	2"	5
LS-2	07860 3	1/4"	4"	1/2"	4-7/8"	2"	6
LS-3	07865 8	5/16"	2-3/4"	5/8"	3-7/8"	2"	8
LS-4	07870 2	5/16"	4-3/4"	5/8"	5-13/16"	2"	11
LS-5	07875 7	3/8"	3"	3/4"	4-3/8"	2-1/2"	13
LS-6	07880 1	3/8"	6"	3/4"	7-5/16"	2-1/2"	19
LS-7	07885 6	1/2"	3-1/2"	1"	5-1/4"	2-3/4"	30

Standard Pack – 10 Pieces

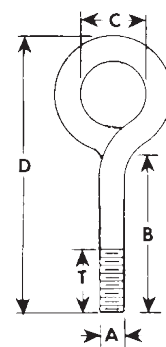
TURNED EYE BOLT DISPLAY PART # 60030 9

Qty.	Stock No.	Diameter & Shank Length
10	C-1	3/16" x 1"
10	C-2	3/16" x 1-3/8"
10	C-3	3/16" x 2"
10	E-1	1/4" x 1"
10	E-2	1/4" x 1-1/2"
10	E-3	1/4" x 2"
10	E-5	1/4" x 3"
10	E-7	1/4" x 4"
10	F-2	5/16" x 2"
10	F-4	5/16" x 3"
10	F-6	5/16" x 4"
10	F-7	5/16" x 5"
10	G-3	3/8" x 2-1/2"
10	G-5	3/8" x 3-1/2"
10	G-6	3/8" x 4"
10	G-8	3/8" x 6"
10	J-2	1/2" x 4"
10	J-3	1/2" x 6"
10	J-4	1/2" x 8"

190 Eyebolts

Shipping Wt. 37 lbs.

TURNED EYE BOLT DISPLAY



WELDED – MACHINE THREADS

Comparable in specifications, finish and standard packaging with exception Eyes are resistance welded closed.



Stock No.	Part No.	Dimensions – Inches					Weight Per 100 in lbs.	Working Load Limit (lbs.)
		Thread Diameter (A)	Shank Length (B)	I.D. Eye (C)	Overall Length (D)	Thread Length (T)		
F-3W	07755 2	5/16"-18	2-1/2"	5/8"	3-5/8"	1-1/4"	10	240
G-3W	07760 6	3/8"-16	2-1/2"	3/4"	4"	1-1/2"	16	400
G-6W	07765 1	3/8"-16	4"	3/4"	5-1/2"	2-1/2"	20	400
J-2W	07770 5	1/2"-13	4"	1"	6"	2-1/2"	41	1000
J-3W	07775 0	1/2"-13	6"	1"	8"	4"	50	1000

Standard Pack – 10 Pieces

STAINLESS STEEL SECTION



THIMBLES TYPE 304 STAINLESS STEEL

Rope Diameter	Part No.	Weight Per 100
1/8"	22305 8	2.1
3/16"	22310 2	2.1
1/4"	22315 7	3.4
5/16"	22320 1	4.6
3/8"	22325 6	9
1/2"	22335 5	17

See page 13 for additional dimensional information.



DROP FORGED EYE BOLTS TYPE 316 STAINLESS STEEL



Regular



Shoulder

Diameter & Shank Length	Regular		Shoulder	
	Part No.	Weight Per 100	Part No.	Weight Per 100
1/4" x 2"	08205 1	6.4	08605 9	7.4
1/4" x 3"	08208 2	8	N.A.	N.A.
1/4" x 4"	08211 2	9.3	08611 0	10.7
1/4" x 5"	08214 3	10.4	N.A.	N.A.
1/4" x 6"	08217 4	11.8	N.A.	N.A.
5/16" x 2-1/4"	08222 8	12.7	08622 6	12.9
5/16" x 3-1/4"	08225 9	15	N.A.	N.A.
5/16" x 4-1/4"	08228 0	16.5	08628 8	16.8
3/8" x 2-1/2"	08239 6	19.2	08639 4	21
3/8" x 4-1/4"	08245 7	24.4	08645 5	29
1/2" x 3-1/4"	08262 4	46	08662 2	46
1/2" x 6"	08268 6	60	08668 4	63
5/8" x 4-1/2"	08282 2	79	08682 0	99

See pages 14-15 for additional dimensional information.

STAINLESS STEEL SECTION

WIRE ROPE CLIPS TYPE 304 STAINLESS STEEL



Stock No.	Rope Size	Part No.	Weight Per 100
2	1/16" - 3/32"	23605 8	5
4	1/8" - 5/32"	23610 2	7
6	3/16" - 7/32"	23615 7	11
8	1/4" - 5/16"	23620 1	18
10	3/8"	23630 0	38
12	7/16" - 1/2"	23635 5	55



STAINLESS STEEL SECTION



Shoulder

MACHINERY EYE BOLTS SHOULDER PATTERN – THREADED TYPE 316 STAINLESS STEEL

Shoulder Pattern No.	Bolt Diameter	Shank Length	Part No.	Weight Per 100
21SS	1/4"	1"	13105 6	6
22SS	5/16"	1-1/8"	13125 4	10
23SS	3/8"	1-1/4"	13145 2	16
25SS	1/2"	1-1/2"	13185 8	38
27SS	5/8"	1-3/4"	13225 1	73.5
28SS	3/4"	2"	13248 0	99.5

See page 18 for additional dimensional information.



Plain

MACHINERY EYE BOLTS PLAIN PATTERN – THREADED TYPE 316 STAINLESS STEEL

Plain Pattern No.	Bolt Diameter	Shank Length	Part No.	Weight Per 100
1SS	1/4"	1"	14205 2	5
2SS	5/16"	1-1/8"	14210 6	10.5
3SS	3/8"	1-1/4"	14215 1	15.5
5SS	1/2"	1-1/2"	14220 5	33
7SS	5/8"	1-3/4"	14225 0	64
8SS	3/4"	2"	14230 4	90.5



DROP FORGED BLANK ROD ENDS TYPE 316 STAINLESS STEEL

Stock No.	Part No.	Diameter Inches	*Length Inches	Weight Per 100
C-134SS-A	18555 4	1/4"	6"	11
C-135SS-A	18560 6	5/16"	6"	18
C-217SS	18535 6	3/8"	3"	14
C-138SS	18565 3	1/2"	6"	47
C-139SS	18585 1	5/8"	6"	77.5
C-140SS	18605 6	3/4"	6"	112
C-141SS	18615 5	7/8"	6"	164

* Measured from center of boss

See page 29 for additional dimensional information.



REGULAR DROP FORGED EYE NUTS TYPE 316 STAINLESS STEEL

Drilled & Tapped			
Bail Size	Tap Size	Part No.	Weight Per 100
1/4"	1/4" - 20	16505 1	8.2
1/4"	5/16" - 18	16510 5	8
3/8"	3/8" - 16	16520 4	34
3/8"	1/2" - 13	16525 9	29.3
1/2"	5/8" - 11	16530 3	61.5
5/8"	3/4" - 10	16535 8	103

See page 27 for additional dimensional information.

STAINLESS STEEL SECTION



TURNED EYE BOLTS – MACHINE THREAD TYPE 304 STAINLESS STEEL



Stock No.	Thread Diameter	Part No.	Shank Length	Weight Per 100
A-1SS	1/8" (6-32)	07255 7	3/4"	.75
B-1SS	5/32" (8-32)	07260 1	1-1/8"	1.31
C-1SS	3/16" (10-24)	07265 6	1"	1.81
C-2SS	3/16" (10-24)	07270 0	1-3/8"	1.875
C-3SS	3/16" (10-24)	07275 5	2"	2.375
C-4SS	3/16" (10-24)	07280 9	3"	2.94
E-1SS	1/4"-20	07290 8	1"	3.75
E-2SS	1/4"-20	07295 3	1-1/2"	4.375
E-2SS-A	1/4"-20	07300 4	1-7/8"	5.2
E-3SS	1/4"-20	07305 9	2"	5
E-4SS	1/4"-20	07310 3	2-1/2"	5.6
E-5SS	1/4"-20	07315 8	3"	6.3
E-6SS	1/4"-20	07320 2	3-1/2"	6.9
E-7SS	1/4"-20	07325 7	4"	7.5
E-8SS	1/4"-20	07330 1	5"	8
E-9SS	1/4"-20	07335 6	6"	9
F-1SS	5/16"-18	07340 0	1"	7
F-2SS	5/16"-18	07345 5	2"	9
F-2SS-A	5/16"-18	07350 9	2-1/4"	9.7
F-3SS	5/16"-18	07355 4	2-1/2"	10

Stock No.	Thread Diameter	Part No.	Shank Length	Weight Per 100
F-4SS	5/16"-18	07360 8	3"	11
F-5SS	5/16"-18	07365 3	3-1/2"	11
F-6SS	5/16"-18	07370 7	4"	12
F-7SS	5/16"-18	07375 2	5"	14
F-8SS	5/16"-18	07380 6	6"	15
F-9SS	5/16"-18	07385 1	6-1/2"	18
G-1SS	3/8"-16	07390 5	1"	12
G-2SS	3/8"-16	07395 0	2"	15
G-2SS-A	3/8"-16	07400 1	2-1/2"	15.7
G-3SS	3/8"-16	07405 6	2-1/2"	15.5
G-4SS	3/8"-16	07410 0	3"	17
G-5SS	3/8"-16	07415 5	3-1/2"	18
G-6SS	3/8"-16	07420 9	4"	21
G-7SS	3/8"-16	07425 4	5"	22
G-8SS	3/8"-16	07430 8	6"	24
G-9SS	3/8"-16	07435 3	8"	30
J-1SS	1/2"-13	07460 5	2"	33
J-2SS	1/2"-13	07465 0	4"	41
J-3SS	1/2"-13	07470 4	6"	50
J-4SS	1/2"-13	07475 9	8"	58

See page 37 for additional dimensional information.

S-HOOKS – TYPE 304 STAINLESS STEEL

Stock No.	Part No.	Dimensions – Inches				Weight Per 100 (lbs)	Working Load Limit (lbs)
		Wire Diameter	Overall Length	Hooks Inside Dia.	Opening Hooks		
S-1SS	06211 4	.080"	3/4"	1/4"	1/8"	.26	7
S-1SS-A	06213 8	.105"	1"	5/16"	5/32"	.55	16
S-2SS	06214 5	.114"	1-1/4"	3/8"	3/16"	.83	17
S-2SS-A	06215 2	.148"	1-1/2"	7/16"	7/32"	1.62	26
S-3SS	06217 6	.186"	1-3/4"	1/2"	1/4"	2.97	40
S-4SS	06220 8	.220"	2-1/8"	5/8"	5/16"	5.15	58
S-5SS	06223 7	.250"	2-1/2"	3/4"	7/16"	7.5	70
S-6SS	06226 8	.312"	3"	7/8"	1/2"	13.9	132
S-7SS	06229 9	.375"	3-1/2"	1"	1/2"	23.44	170



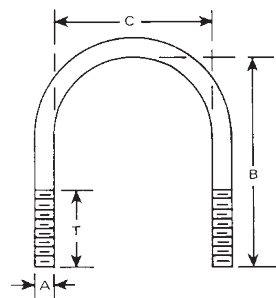
See page 31 for additional dimensional information.



STAINLESS STEEL SECTION



ROUND BEND U-BOLTS – TYPE 304 STAINLESS STEEL



Dimensions U-Bolts Only (A x C x B)	Pipe Size	Stainless Steel U-Bolts & 2 Nuts			Stainless Steel U-Bolts Plates & 2 Nuts		
		Stock No.	Part No.	Weight Per 100	Stock No.	Part No.	Weight Per 100
1/4" x 9/16" x 1-1/4"	1/4"	01SS	50405 8	5	1SS	50605 2	7
1/4" x 3/4" x 1-1/4"	3/8"	02SS	50408 9	5	2SS	50608 3	7
1/4" x 3/4" x 2-1/4"	3/8"	03SS	50411 9	7	3SS	50611 3	9
1/4" x 1" x 1-3/4"	1/2"	04SS	50414 0	7	4SS	50614 4	9
1/4" x 1-1/8" x 2"	3/4"	05SS	50420 1	7	5SS	50620 5	9
1/4" x 1-1/4" x 2-1/4"	3/4"	06SS	50426 3	7.5	6SS	50626 7	10
1/4" x 1-1/2" x 2-3/4"	1"	07SS	50429 4	9	7SS	50629 8	12
1/4" x 1-3/4" x 3"	1-1/4"	08SS	50432 4	9	8SS	50632 8	12
1/4" x 2" x 3-1/4"	1-1/2"	09SS	50435 5	9.5	9SS	50635 9	14
5/16" x 1" x 2-3/16"	1/2"	010SS	50438 6	11	10SS	50638 0	14
5/16" x 1-3/8" x 2-3/16"	1"	011SS	50444 7	12	11SS	50644 1	15
5/16" x 1-1/2" x 2-3/16"	1"	012SS	50450 8	12	12SS	50650 2	15
5/16" x 1-3/4" x 2-11/16"	1-1/4"	013SS	50453 9	13	13SS	50653 3	17.5
5/16" x 2" x 2-11/16"	1-1/2"	014SS	50459 1	14	14SS	50659 5	19
5/16" x 2-1/2" x 3-3/16"	2"	015SS	50465 2	16	15SS	50665 6	21
5/16" x 3" x 3-11/16"	2-1/2"	016SS	50471 3	18	16SS	50671 7	24
3/8" x 1" x 2-1/4"	1/2"	017SS	50474 4	17.5	17SS	50674 8	22.5
3/8" x 1-1/4" x 2-1/4"	3/4"	018SS	50477 5	18	18SS	50677 9	24
3/8" x 1-1/2" x 2-1/2"	1"	019SS	50480 5	18.5	19SS	50680 9	26
3/8" x 1-3/4" x 2-3/4"	1-1/4"	020SS	50483 6	20	20SS	50683 0	27.5
3/8" x 2" x 2-5/8"	1-1/2"	021SS	50486 7	20	21SS	50686 1	29
3/8" x 2-1/2" x 3-1/8"	2"	022SS	50489 8	24.5	22SS	50689 2	33
3/8" x 3" x 3-5/8"	2-1/2"	023SS	50492 8	26	23SS	50692 2	38
3/8" x 3-1/2" x 4-1/8"	3"	024SS	50495 9	30	24SS	50698 4	42.5
1/2" x 3" x 4-1/2"	2-1/2"	025SS	50497 3	59	25SS	50701 1	71
1/2" x 3-1/2" x 5"	3"	026SS	50500 0	64	26SS	50704 2	78
1/2" x 4" x 5-1/2"	3-1/2"	027SS	50503 1	70	27SS	50710 3	87
1/2" x 4-1/2" x 6"	4"	028SS	50506 2	75	28SS	50713 4	92.5
1/2" x 5-5/8" x 7-1/4"	5"	029SS	50509 3	90	N.A.	N.A.	N.A.
1/2" x 6-3/4" x 8-3/8"	6"	030SS	50512 3	101	N.A.	N.A.	N.A.
1/2" x 8-3/4" x 10-3/8"	8"	031SS	50515 4	120	N.A.	N.A.	N.A.
*3/4" x 10-7/8" x 13-13/16"	10"	032SS	50560 4	440	N.A.	N.A.	N.A.
*7/8" x 12-7/8" x 16-1/16"	12"	033SS	50570 3	710	N.A.	N.A.	N.A.
*7/8" x 14-1/8" x 17-5/16"	14"	034SS	50574 1	755	N.A.	N.A.	N.A.
*7/8" x 16-1/8" x 19-5/16"	16"	035SS	50578 9	850	N.A.	N.A.	N.A.

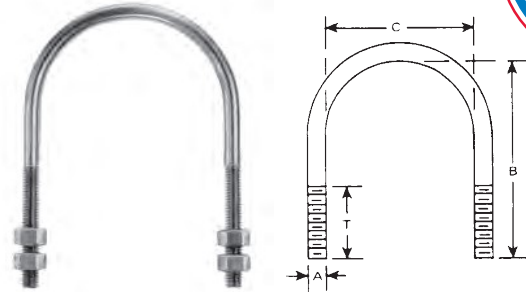
*Full Stock Diameter with Cut Thread

See pages 32-34 for additional dimensional information.

STAINLESS STEEL SECTION



ROUND BEND LONG TANGENT U-BOLTS WITH 4 NUTS TYPE 304 STAINLESS STEEL

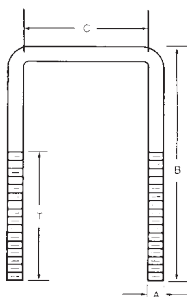


Stock No.	Part No.	Pipe Size	Diameter (A)	Inside Width (C)	Inside Length (B)	Thread Length (T)	Weight Per 100
LT-BSS	51660 0	1/2"	1/4" - 20	7/8"	2-15/16"	2-1/2"	9
LT-CSS	51665 5	3/4"	1/4" - 20	1-1/8"	3-3/16"	2-1/2"	10
LT-DSS	51670 9	1"	1/4" - 20	1-3/8"	3-7/16"	2-1/2"	11
LT-1SS	51705 8	1/2"	3/8" - 16	15/16"	3"	2-3/8"	24
LT-2SS	51710 2	3/4"	3/8" - 16	1-1/8"	3-5/16"	2-3/8"	25.5
LT-3SS	51715 7	1"	3/8" - 16	1-3/8"	3-7/16"	2-3/8"	26.5
LT-4SS	51720 1	1-1/4"	3/8" - 16	1-11/16"	3-23/32"	2-3/8"	28
LT-5SS	51725 6	1-1/2"	3/8" - 16	2"	4"	2-1/2"	30
LT-6SS	51730 0	2"	3/8" - 16	2-7/16"	4-7/16"	2-1/2"	33
LT-7SS	51735 5	2-1/2"	1/2" - 13	2-15/16"	5-7/32"	3"	71
LT-8SS	51740 9	3"	1/2" - 13	3-9/16"	5-3/4"	3"	77
LT-9SS	51745 4	3-1/2"	1/2" - 13	4-1/16"	6-1/4"	3"	82
LT-10SS	51750 8	4"	1/2" - 13	4-9/16"	6-3/4"	3"	89
LT-11SS	51755 3	5"	1/2" - 13	5-5/8"	7-13/16"	3"	101
LT-12SS	51760 7	6"	5/8" - 11	6-3/4"	9-1/2"	3-3/4"	194.5
LT-13SS	51765 2	8"	5/8" - 11	8-3/4"	11-1/8"	3-3/4"	223.5
LT-14SS	51770 6	10"	3/4" - 10	10 - 7/8"	13-13/16"	4"	460

See page 35 for additional dimensional information.



SQUARE BEND U-BOLTS WITH 2 NUTS AND 2 WASHERS TYPE 304 STAINLESS STEEL



Stock No.	Part No.	Diameter (A)	Inside Width (C)	Overall Length (B)	Thread Length (T)	Weight Per 100
SB-1SS	51105 6	3/8" - 16	2"	3"	1-1/2"	25.5
SB-2SS	51110 0	3/8" - 16	2"	5"	3"	35.5
SB-3SS	51115 5	3/8" - 16	2"	7"	3-3/4"	44.5
SB-4SS	51120 9	3/8" - 16	4"	3"	1-1/2"	29.5
SB-5SS	51125 4	3/8" - 16	4"	5"	3"	40
SB-6SS	51130 8	3/8" - 16	4"	7"	3-3/4"	49.5
SB-7SS	51135 3	3/8" - 16	6"	5"	3"	44.5
SB-8SS	51140 7	3/8" - 16	6"	7"	3-3/4"	56
SB-9SS	51145 2	3/8" - 16	6"	9"	5-5/8"	63

See page 36 for additional dimensional information.



FORMED OR FORGED FITTINGS

The schematic drawings in adjoining columns represent basic rod or wire forms and steel eye bolt forgings. Space does not permit the design illustrations of all parts that we are capable of manufacturing.

A review of complete catalog literature will indicate an extensive listing of standard stock sizes of round bend U-bolts, turned or formed eye bolts and forged steel eye bolts in several patterns.

When it is not feasible to utilize a standard product, we are prepared and equipped to manufacture requirements to specification. Inquiries are solicited.

Variation in quantity: on special items we reserve the right to a maximum 10% variation for allowances in manufacture.

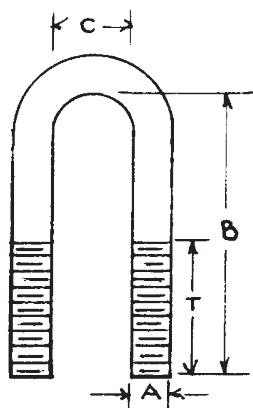


Figure No. 1

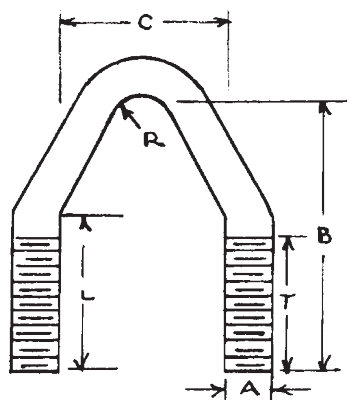


Figure No. 2

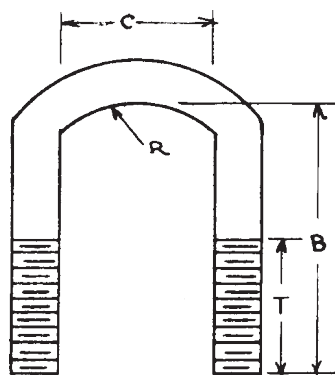


Figure No. 3

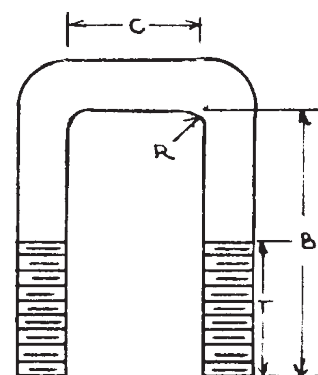


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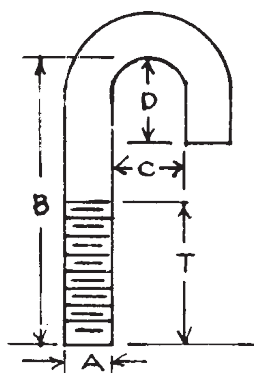


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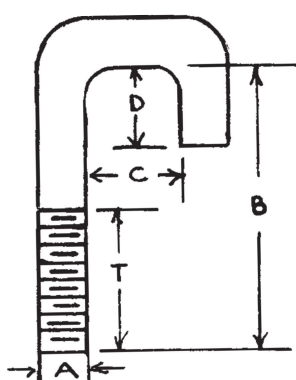


Figure No. 6

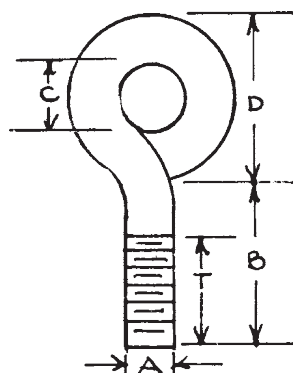


Figure No. 7

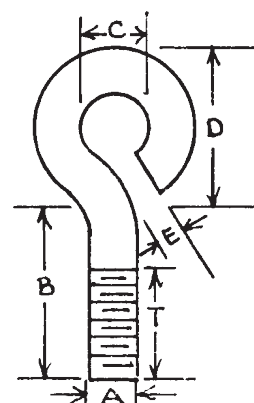


Figure No. 8

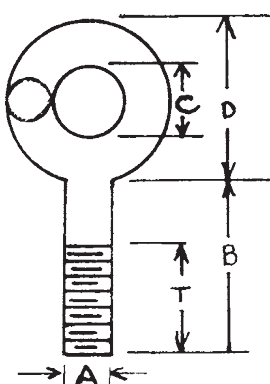


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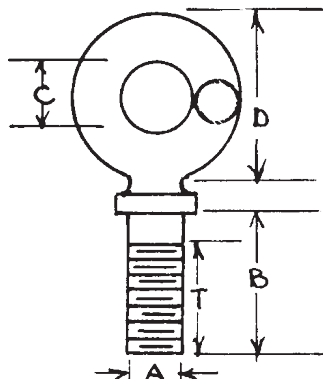


Figure No. 10

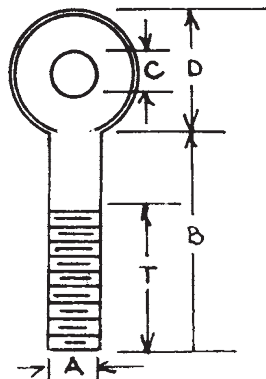
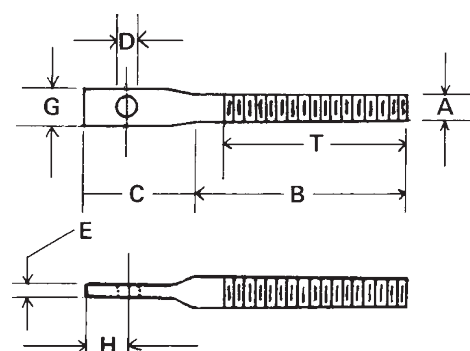


Figure No. 11



Spade Bolt

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Eye & Eye Swivels	26	Turnbuckles, Midget Aluminum Display	8
Eye & Eye Turnbuckles	5	Turnbuckles, Drop Forged	4, 5, 6, 7
-F-			
Flats, Zinc Plated Steel	44	Turnbuckles, Malleable, Midget	8
Flats, Zinc Plated Slotted Steel	43	Turned Eye Bolts, Machine & Lag Thread	37, 38
Flats, Brass	45	Turned Eye Bolts, Welded Eye	38
-H-			
Hoist Rings, Alloy Steel	23	Turned Eye Bolt Display	38
Hook Clevis Grab	25	Turned Eye Bolts, Stainless Steel	49
Hook & Eye Turnbuckles	6	-U-	
Hook & Hook Turnbuckles	5	U-Bolts, Zinc Plated Round Bend, Square Bend, Long Tangent	32, 35, 36
Hooks, Hoist, Eye	24	U-Bolt Displays	36
Hooks, S-	31	U-Bolts Hot Dip Galvanized	33, 35, 36
Hook, Safety Snap	25	U-Bolts Stainless Steel	50, 51
Hooks, Safety Swivel	26	-W-	
-J-			
Jaw & Eye Swivels	26	Washers, Bevel	31
Jaw & Eye Turnbuckles	7	Wire Rope Clips, Drop Forged & Malleable	11, 12
Jaw & Jaw Turnbuckles	7	Wire Rope Clips, Stainless Steel	47
		Wire Rope Thimbles, Regular & Heavy Duty	13
		Wire Rope Thimbles, Stainless Steel	47
		-Y-	
		Yoke Ends, Adjustable & Plain	30



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