



Grade A490 Structural Bolts

- Tensile strength: 120,000 psi
- Meet ASME B18.2.6, ASTM A490 and ASTM F3125 standards



Length	Minimum Thread Length	Thread Style*	Grip Size	Head Height	Item No.	Pkg. Qty.
Black Oxide						
5/8"-11 Coarse						
1 1/2 in	1 1/4 in	PT	1/4 in	2 5/64 in	31JK49	10
1 3/4 in	1 1/4 in	PT	1/2 in	2 5/64 in	31JK50	10
2 in	1 1/4 in	PT	3/4 in	2 5/64 in	31JK51	10
2 1/4 in	1 1/4 in	PT	1 in	2 5/64 in	31JK52	10
2 1/2 in	1 1/4 in	PT	1 1/4 in	2 5/64 in	31JK53	10
2 3/4 in	1 1/4 in	PT	1 1/2 in	2 5/64 in	31JK54	10
3 in	1 1/4 in	PT	1 3/4 in	2 5/64 in	31JK55	10
3 1/4 in	1 1/4 in	PT	2 in	2 5/64 in	31JK56	10
3 1/2 in	1 1/4 in	PT	2 1/4 in	2 5/64 in	31JK57	10
4 in	1 1/4 in	PT	2 3/4 in	2 5/64 in	31JK59	10
4 1/2 in	1 1/4 in	PT	3 1/4 in	2 5/64 in	31JK60	10
5 in	1 1/4 in	PT	3 3/4 in	2 5/64 in	31JK61	10
5 1/2 in	1 1/4 in	PT	4 1/4 in	2 5/64 in	31JK62	10
6 in	1 1/4 in	PT	4 3/4 in	2 5/64 in	31JK63	10
3/4"-10 Coarse						
1 1/2 in	1 3/8 in	PT	1/8 in	1 5/32 in	31JK64	10
1 3/4 in	1 3/8 in	PT	3/8 in	1 5/32 in	31JK65	10
2 in	1 3/8 in	PT	1/2 in	1 5/32 in	31JK66	10
2 1/4 in	1 3/8 in	PT	5/8 in	1 5/32 in	31JK67	10
2 1/2 in	1 3/8 in	PT	1 1/8 in	1 5/32 in	31JK68	10
2 3/4 in	1 3/8 in	PT	1 3/8 in	1 5/32 in	31JK69	10
3 in	1 3/8 in	PT	1 5/8 in	1 5/32 in	31JK70	10
3 1/4 in	1 3/8 in	PT	1 7/8 in	1 5/32 in	31JK71	10
3 1/2 in	1 3/8 in	PT	2 1/8 in	1 5/32 in	31JK72	10
3 3/4 in	1 3/8 in	PT	2 3/8 in	1 5/32 in	31JK73	10
4 in	1 3/8 in	PT	2 5/8 in	1 5/32 in	31JK74	10
4 1/4 in	1 3/8 in	PT	2 7/8 in	1 5/32 in	31JK75	10
4 1/2 in	1 3/8 in	PT	3 1/8 in	1 5/32 in	31JK76	10
4 3/4 in	1 3/8 in	PT	3 3/8 in	1 5/32 in	31JK77	10
5 in	1 3/8 in	PT	3 5/8 in	1 5/32 in	31JK78	10
5 1/4 in	1 3/8 in	PT	3 7/8 in	1 5/32 in	31JK79	10
5 1/2 in	1 3/8 in	PT	4 1/8 in	1 5/32 in	31JK80	10
6 in	1 3/8 in	PT	4 5/8 in	1 5/32 in	31JK81	10
6 1/2 in	1 3/8 in	PT	5 1/8 in	1 5/32 in	31JK82	10
7 in	1 3/8 in	PT	5 5/8 in	1 5/32 in	31JK83	10
8 in	1 3/8 in	PT	6 1/8 in	1 5/32 in	31JK84	10
1/2"-9 Coarse						
2 in	1 1/2 in	PT	1/2 in	3 5/64 in	31JK85	5
2 1/4 in	1 1/2 in	PT	3/4 in	3 5/64 in	31JK86	5
2 1/2 in	1 1/2 in	PT	1 in	3 5/64 in	31JK87	5
2 3/4 in	1 1/2 in	PT	1 1/4 in	3 5/64 in	31JK88	5
3 in	1 1/2 in	PT	1 1/2 in	3 5/64 in	31JK89	5
3 1/4 in	1 1/2 in	PT	1 3/4 in	3 5/64 in	31JK90	5
3 1/2 in	1 1/2 in	PT	2 in	3 5/64 in	31JK91	5
3 3/4 in	1 1/2 in	PT	2 1/4 in	3 5/64 in	31JK92	5
4 in	1 1/2 in	PT	2 1/2 in	3 5/64 in	31JK93	5
4 1/4 in	1 1/2 in	PT	2 3/4 in	3 5/64 in	31JK94	5
4 1/2 in	1 1/2 in	PT	3 in	3 5/64 in	31JK95	5
4 3/4 in	1 1/2 in	PT	3 1/4 in	3 5/64 in	31JK96	5
5 in	1 1/2 in	PT	3 1/2 in	3 5/64 in	31JK97	5
5 1/2 in	1 1/2 in	PT	4 in	3 5/64 in	31JK98	5
6 in	1 1/2 in	PT	4 1/2 in	3 5/64 in	31JK99	5
6 1/2 in	1 1/2 in	PT	5 in	3 5/64 in	31JL01	5
7 in	1 1/2 in	PT	5 1/2 in	3 5/64 in	31JL02	5
8 in	1 1/2 in	PT	6 1/2 in	3 5/64 in	31JL03	5
1"-8 Coarse						
2 in	1 3/4 in	PT	1/4 in	3 5/64 in	31JL04	5
2 1/4 in	1 3/4 in	PT	1/2 in	3 5/64 in	31JL05	5
2 1/2 in	1 3/4 in	PT	3/4 in	3 5/64 in	31JL06	5
2 3/4 in	1 3/4 in	PT	1 in	3 5/64 in	31JL07	5
3 in	1 3/4 in	PT	1 1/4 in	3 5/64 in	31JL08	5
3 1/4 in	1 3/4 in	PT	1 1/2 in	3 5/64 in	31JL09	5
3 1/2 in	1 3/4 in	PT	1 3/4 in	3 5/64 in	31JL10	5
3 3/4 in	1 3/4 in	PT	2 in	3 5/64 in	31JL11	5
4 in	1 3/4 in	PT	2 1/4 in	3 5/64 in	31JL12	5
4 1/4 in	1 3/4 in	PT	2 1/2 in	3 5/64 in	31JL13	5
4 1/2 in	1 3/4 in	PT	2 3/4 in	3 5/64 in	31JL14	5
4 3/4 in	1 3/4 in	PT	3 in	3 5/64 in	1TU36	10
5 in	1 3/4 in	PT	3 1/4 in	3 5/64 in	31JL15	5
5 1/2 in	1 3/4 in	PT	3 3/4 in	3 5/64 in	31JL16	5
6 in	1 3/4 in	PT	4 1/4 in	3 5/64 in	31JL17	5
6 1/2 in	1 3/4 in	PT	4 3/4 in	3 5/64 in	31JL18	5
7 in	1 3/4 in	PT	5 1/4 in	3 5/64 in	31JL19	5
7 1/2 in	1 3/4 in	PT	5 3/4 in	3 5/64 in	31JL20	5
8 in	1 3/4 in	PT	6 1/4 in	3 5/64 in	31JL21	5
1 1/8"-7 Coarse						
3 in	2 in	PT	1 in	1 1/16 in	31JL22	5
3 3/4 in	2 in	PT	1 3/4 in	1 1/16 in	1TU41	10
4 in	2 in	PT	2 in	1 1/16 in	31JL25	5
8 in	2 in	PT	6 in	1 1/16 in	31JL33	5
9 in	2 in	PT	7 in	1 1/16 in	31JL34	5
10 in	2 in	PT	8 in	1 1/16 in	31JL35	5
1 1/4"-7 Coarse						
3 in	2 in	PT	1 in	2 5/64 in	31JL36	5
3 1/2 in	2 in	PT	1 1/2 in	2 5/64 in	31JL38	5
4 1/4 in	2 in	PT	2 1/4 in	2 5/64 in	31JL40	5
6 in	2 in	PT	4 in	2 5/64 in	31JL44	5
6 1/2 in	2 in	PT	4 1/2 in	2 5/64 in	31JL45	5

* PT = Partially Threaded.

Class 10.9 Structural Bolts

- Tensile strength: 145,038 psi
- Meet DIN 6914, ISO 7412 standards



Length	Minimum Thread Length	Thread Style*	Grip Size	Head Height	Item No.	Pkg. Qty.
Black Oxide						
M12-1.75 Coarse						
60 mm	23 mm	PT	37 mm	8 mm	38CT14	50
70 mm	23 mm	PT	47 mm	8 mm	38CT15	50
80 mm	23 mm	PT	57 mm	8 mm	38CT16	50
M16-2.00 Coarse						
65 mm	28 mm	PT	37 mm	10 mm	38CT20	50
80 mm	28 mm	PT	52 mm	10 mm	38CT23	25
100 mm	28 mm	PT	72 mm	10 mm	38CT24	25
M20-2.50 Coarse						
50 mm	33 mm	PT	17 mm	13 mm	38CT27	25
55 mm	33 mm	PT	22 mm	13 mm	38CT28	25
85 mm	33 mm	PT	52 mm	13 mm	38CT33	25
90 mm	33 mm	PT	57 mm	13 mm	38CT34	25
100 mm	33 mm	PT	67 mm	13 mm	38CT35	25
120 mm	33 mm	PT	87 mm	13 mm	38CT37	25
140 mm	33 mm	PT	107 mm	13 mm	38CT39	25
M24-3.00 Coarse						
80 mm	39 mm	PT	41 mm	15 mm	38CT43	25
90 mm	39 mm	PT	51 mm	15 mm	38CT44	25
120 mm	39 mm	PT	81 mm	15 mm	38CT47	20
Hot Dipped Galvanized						
M12-1.75 Coarse						
45 mm	23 mm	PT	22 mm	8 mm	38CV28	100
70 mm	23 mm	PT	47 mm	8 mm	38CV30	50
100 mm	23 mm	PT	77 mm	8 mm	38CV31	50
M16-2.00 Coarse						
40 mm	28 mm	PT	12 mm	10 mm	38CV32	50
45 mm	28 mm	PT	17 mm	10 mm	38CV33	50
50 mm	28 mm	PT	22 mm	10 mm	38CV34	50
60 mm	28 mm	PT	32 mm	10 mm	38CV36	50
80 mm	28 mm	PT	52 mm	10 mm	38CV40	25
90 mm	28 mm	PT	62 mm	10 mm	38CV41	25
100 mm	28 mm	PT	72 mm	10 mm	38CV42	25
M20-2.50 Coarse						
60 mm	33 mm	PT	27 mm	13 mm	38CV49	25
120 mm	33 mm	PT	87 mm	13 mm	38CV59	25
130 mm	33 mm	PT	97 mm	13 mm	38CV60	25
M24-3.00 Coarse						
70 mm	39 mm	PT	31 mm	15 mm	38CV68	25
75 mm	39 mm	PT	36 mm	15 mm	38CV69	25
90 mm	39 mm	PT	51 mm	15 mm	38CV72	25

* PT = Partially Threaded.

Grade A394 Tower Bolts

- Tensile strength: 74,000 psi for Type 0; 120,000 psi for Type 1
- Meet ASME B18.2.1, ASTM A394 standards



Rod-shaped bolts used to secure steel-to-steel structural connections, or as high-strength anchors for wind power machines. Corrosion and chemical resistant; made to withstand environmental pressures.

Length	Minimum Thread Length	Thread Style*	Grip Size	Head Height	Item No.	Pkg. Qty.
A394 Type 0 Steel - Hot Dipped Galvanized						
5/8"-11 Coarse						
1 1/2 in	1 1/2 in	FT	—	2 1/64 in	41MC06	10
1 3/4 in	1 3/4 in	FT	—	2 1/64 in	41MC07	10
2 in	2 in	FT	—	2 1/64 in	41MC08	10
2 1/4 in	1 1/2 in	PT	3/4 in	2 1/64 in	41MC09	10
2 1/2 in	1 1/2 in	PT	1 in	2 1/64 in	41MC10	10
3 in	1 1/2 in	PT	1 1/2 in	2 1/64 in	41MC12	10
3/4"-10 Coarse						
1 1/2 in	1 1/2 in	FT	—	1/2 in	41MC13	10
2 in	2 in	FT	—	1/2 in	41MC15	10
2 1/4 in	2 1/4 in	FT	—	1/2 in	41MC16	10
2 1/2 in	2 1/2 in	PT	1 in	1/2 in	41MC17	10
A394 Type 1 Steel - Hot Dipped Galvanized						
5/8"-11 Coarse						
1 1/2 in	1 1/2 in	FT	—	2 1/64 in	41MC23	10
1 3/4 in	1 3/4 in	FT	—	2 1/64 in	41MC24	10
2 in	2 in	FT	—	2 1/64 in	41MC25	10
2 1/4 in	1 1/2 in	PT	3/4 in	2 1/64 in	41MC26	10
2 1/2 in	1 1/2 in	PT	1 in	2 1/64 in	41MC27	10
3 in	1 1/2 in	PT	1 1/2 in	2 1/64 in	41MC29	10
3/4"-10 Coarse						
1 1/2 in	1 1/2 in	FT	—	1/2 in	41MC30	10
2 in	2 in	FT	—	1/2 in	41MC32	10
2 1/4 in	2 1/4 in	FT	—	1/2 in	41MC33	10
2 1/2 in	2 1/2 in	PT	3/4 in	1/2 in	41MC34	10
3 1/4 in	1 3/4 in	PT	1 1/2 in	2 1/64 in	41MC37	10
3 1/2 in	1 3/4 in	PT	1 3/4 in	2 1/64 in	41MC38	10

* FT = Fully Threaded, PT = Partially Threaded.