

Grade 8 Camrail Bolts and Nuts

- Tensile strength: 150,000 psi
- Bolts are alloy steel
- Flange nuts are steel

Designed specifically for maintenance and repair use in locomotive applications.



Flat Head
19N043



Truss Head
19N047



Pan Head
19N059



Dome Head
19N070



Camrail Flange
Lock Nut
19N049



AudiTORX
Drive
19N074

Thread Size	Length	Minimum Thread Length	Head Style	Head Width	Head Height	Drive System	Bulk Pack Item No.	Pkg. Qty.	Small Pack Item No.	Pkg. Qty.
Camrail Bolt										
5/8"-11	3 1/4 in	1 1/2 in	Dome	—	2 1/4 in	Audi Torx (E-20)	19N114	100	—	—
	2 3/4 in	1 3/4 in	Flat	1 9/32 in	3/4 in	Audi Torx (E-20)	19N091	120	19N050	10
	2 1/2 in	1 1/8 in	Flat	1 9/32 in	3/4 in	Audi Torx (E-20)	19N084	100	19N043	10
	2 1/2 in	2 in	Flat	1 9/32 in	3/4 in	Torx (TX-70)	19N085	110	—	—
3/4"-10	2 3/4 in	1 3/4 in	Truss	1 3/4 in	1 1/2 in	Audi Torx (E-20)	—	—	19N047	10
	3 in	2 in	Flat	1 9/32 in	3/4 in	Torx (TX-70)	19N081	60	19N040	5
	3 1/4 in	2 1/2 in	Flat	1 9/32 in	3/4 in	Audi Torx (E-20)	—	—	19N046	10
	3 3/4 in	3 in	Flat	1 9/32 in	3/4 in	Audi Torx (E-20)	19N086	80	19N045	10
	3 in	2 in	Pan	1 1/2 in	9/16 in	Audi Torx (E-20)	—	—	19N059	5
	3 1/4 in	2 1/4 in	Dome	1 2/4 in	3/4 in	Audi Torx (E-20)	19N112	60	19N070	5
7/8"-9	—	1 1/16 in	Pan	1 1/2 in	9/16 in	Audi Torx (E-20)	—	—	19N058	5
	3 1/2 in	2 1/8 in	Flat	1 2/4 in	3/4 in	Torx (TX-90)	—	—	19N055	5
	—	2 1/8 in	Flat	1 2/4 in	1 1/2 in	Audi Torx (E-20)	19N096	60	—	—
	—	2 1/8 in	Flat	1 2/4 in	1 1/2 in	Audi Torx (E-20)	19N095	60	19N054	5
	4 in	2 1/8 in	Pan	1 1/2 in	9/16 in	Audi Torx (E-20)	19N098	45	19N057	5
	4 1/2 in	2 1/8 in	Pan	1 1/2 in	9/16 in	Audi Torx (E-20)	19N097	40	—	—
Camrail Flange Lock Nut										
5/8"-10	—	—	Flange	—	—	Torx	19N090	300	19N049	20
7/8"-9	—	—	Flange	—	—	Torx	19N103	200	19N061	20

For Use With

Camrail Tooling

3/4 in Square Drive

Bolts having E-20 AudiTORX Drive

Item No.

19N074

Length	Head Dia.	Head Height	Pkg. Qty.	BLACK OXIDE Item No.	ZINC PLATED Item No.
1/4"-20 Thread Size					
3/4 in	—	—	50	41UJ16	41UJ43
1 in	—	—	50	41UJ17	41UJ44
1 1/4 in	—	—	50	41UJ18	41UJ45
1 1/2 in	—	—	50	41UJ19	41UJ46
1 3/4 in	0.969 in	5/64 in	50	41UJ20	41UJ47
2 in	—	—	50	41UJ21	41UJ48
2 1/4 in	—	—	50	41UJ22	—
2 1/2 in	—	—	50	41UJ23	41UJ49
3 in	—	—	50	41UJ25	41UJ50
5/16"-18 Thread Size					
3/4 in	—	—	25	41UJ26	41UJ51
1 in	—	—	25	41UJ27	41UJ52
1 1/4 in	—	—	25	41UJ28	41UJ53
1 1/2 in	—	—	25	41UJ29	41UJ54
1 3/4 in	1.188 in	3/32 in	25	41UJ30	41UJ55
2 in	—	—	25	41UJ31	41UJ56
2 1/2 in	—	—	25	41UJ33	41UJ57
3 in	—	—	25	41UJ35	41UJ58
3/8"-16 Thread Size					
1 in	—	—	10	41UJ36	41UJ59
1 1/4 in	—	—	10	41UJ37	41UJ60
1 1/2 in	—	—	10	41UJ38	41UJ61
1 3/4 in	1.312 in	1/8 in	10	41UJ39	41UJ62
2 in	—	—	10	41UJ40	41UJ63
2 1/2 in	—	—	10	—	41UJ64
3 in	—	—	10	41UJ42	41UJ65



Elevator Bolts

- Made of Grade A307A steel
- Tensile strength: 60,000 psi
- Meet ASME B18.5 standards

Flat, smooth, countersunk head allows minimal extrusion from the wall; square neck provides a locking feature. For use where there is little space between elevator and wall.

S-Hooks

Closed Eye—Secure attachment at one end to strap, wire rope assembly, or rope. To be used for pulling, hoisting, winching, or other rigging applications.

- 316 stainless steel

Open Eye—For use with light ceiling fixtures and canvas tie-downs. Do not use for lifting.

- Zinc-plated carbon steel

Width	Length	Max. Working Load	Item No.	Pkg. Qty.
Closed Eye				
1 1/2 in	2 1/16 in	660 lb	5LAD1	1
1 1/2 in	1 3/4 in	225 lb	5LAC9	1
2 in	2 1/16 in	440 lb	5LAD0	1
2 3/4 in	3 1/16 in	880 lb	5LAD2	1
Open Eye				
3/8 in	3/4 in	7 lb	22DK2	50
1 1/2 in	1 in	16 lb	22DK3	50
2 3/4 in	1 1/2 in	26 lb	22DK4	10
7/8 in	1 3/4 in	40 lb	22DK5	10
1 in	2 1/8 in	55 lb	22DK6	10
1 in	3 in	130 lb	22DK7	10
1 3/4 in	3 1/2 in	160 lb	22DK8	10



Closed Eye



Open Eye

Steel Chain

- Length: 100 ft.

Single-loop jack chain is kink-resistant and is for lightweight applications. Double-loop chain is intended for higher-strength applications.

Trade Size	Finish	Working Load Limit	Item No.
Single Loop Chain			
304 Stainless Steel			
10	Plain	43 lb	22DH2
12		29 lb	22DH1
14		16 lb	22DG9
16		10 lb	22DG8
18		5 lb	22DG7
Brass			
10	Plain	34 lb	22DG6
14		11 lb	22DG4
16		8 lb	22DG3
Steel			
10	Zinc	43 lb	22DE8
	Nickel	43 lb	22DF5
	Brass	43 lb	22DG2
12	Zinc	29 lb	22DJ9
	Nickel	29 lb	22DF4
14	Zinc	16 lb	22DE7
	Nickel	16 lb	22DF3
16	Zinc	10 lb	22DE6
	Nickel	10 lb	22DF2
	Brass	10 lb	22DF8
18	Zinc	5 lb	22DE5
	Nickel	5 lb	22DF1
	Brass	5 lb	22DF7
20	Nickel	3 lb	22DE9
	Brass	3 lb	22DF6
Double Loop Chain			
304 Stainless Steel			
1	Plain	155 lb	22DJ7
02/0		255 lb	22DJ8
3		100 lb	22DJ6
Steel			
1	Zinc	155 lb	22DH6
1/0	Galvanized	200 lb	22DJ3
2	Zinc	115 lb	22DH5
2		255 lb	22DH7
02/0	Galvanized	255 lb	22DJ4
3	Zinc	90 lb	22DK1
3	Galvanized	90 lb	22DJ2
3/0	Zinc	305 lb	22DH8
3/0		70 lb	22DH4
4	Galvanized	70 lb	22DJ1
4/0	Zinc	365 lb	22DH9
5		55 lb	22DH3



Single Loop Jack Chain



Double Loop Chain