

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 (in.)	Length (in.)	Max. Working Load	Item No.	Pkg. Qty.
Closed Eye				
3/42 in	2 1/4 in	660 lb	5LAD1	1
1 1/2 in	1 3/4 in	225 lb	5LAC9	1
2 in	2 1/4 in	440 lb	5LAD0	1
2 3/4 in	3 1/4 in	880 lb	5LAD2	1
Open Eye				
3/4 in	3/4 in	7 lb	2ZDK2	50
1 1/2 in	1 in	16 lb	2ZDK3	50
2 1/2 in	1 1/2 in	26 lb	2ZDK4	10
3/4 in	1 3/4 in	40 lb	2ZDK5	10
1 in	2 1/2 in	55 lb	2ZDK6	10
1 in	3 in	130 lb	2ZDK7	10
1 3/4 in	3 1/2 in	160 lb	2ZDK8	10

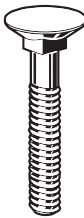


Closed Eye



Open Eye

Length	Head Dia.	Head Height	Pkg. Qty.	BLACK OXIDE Item No.	ZINC PLATED Item No.
1/4"-20 Thread Size					
3/4"			50	41UJ16	41UJ43
1"			50	41UJ17	41UJ44
1 1/4"			50	41UJ18	41UJ45
1 1/2"			50	41UJ19	41UJ46
1 3/4"	0.969 in	3/4 in	50	41UJ20	41UJ47
2"			50	41UJ21	41UJ48
2 1/4"			50	41UJ22	—
2 1/2"			50	41UJ23	41UJ49
3"			50	41UJ25	41UJ50
5/16"-18 Thread Size					
3/4"			25	41UJ26	41UJ51
1"			25	41UJ27	41UJ52
1 1/4"			25	41UJ28	41UJ53
1 1/2"			25	41UJ29	41UJ54
1 3/4"	1.188 in	3/2 in	25	41UJ30	41UJ55
2"			25	41UJ31	41UJ56
2 1/2"			25	41UJ33	41UJ57
3"			25	41UJ35	41UJ58
3/8"-16 Thread Size					
1"			10	41UJ36	41UJ59
1 1/4"			10	41UJ37	41UJ60
1 1/2"			10	41UJ38	41UJ61
1 3/4"	1.312 in	1 1/2 in	10	41UJ39	41UJ62
2"			10	41UJ40	41UJ63
2 1/2"			10	41UJ41	41UJ64
3"			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.

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		43 lb	2ZDH2
12		29 lb	2ZDH1
14	Plain	16 lb	2ZDG9
16		10 lb	2ZDG8
18		5 lb	2ZDG7
Brass			
10		34 lb	2ZDG6
14	Plain	11 lb	2ZDG4
16		8 lb	2ZDG3
Steel			
10	Zinc	43 lb	2ZDE8
	Nickel	43 lb	2ZDF5
	Brass	43 lb	2ZDG2
	Zinc	29 lb	2ZDJ9
12	Nickel	29 lb	2ZDF4
	Zinc	16 lb	2ZDE7
	Nickel	16 lb	2ZDF3
	Zinc	10 lb	2ZDE6
16	Nickel	10 lb	2ZDF2
	Brass	10 lb	2ZDF8
	Zinc	5 lb	2ZDE5
18	Nickel	5 lb	2ZDF1
	Brass	5 lb	2ZDF7
20	Nickel	3 lb	2ZDE9
	Brass	3 lb	2ZDF6
Double Loop Chain			
304 Stainless Steel			
1		155 lb	2ZDJ7
02/0	Plain	255 lb	2ZDJ8
3		100 lb	2ZDJ6
Steel			
1	Zinc	155 lb	2ZDH6
1/0	Galvanized	200 lb	2ZDJ3
2	Zinc	115 lb	2ZDH5
		255 lb	2ZDH7
02/0	Galvanized	255 lb	2ZDJ4
3	Zinc	90 lb	2ZDK1
	Galvanized	90 lb	2ZDJ2
3/0	Zinc	305 lb	2ZDH8
4		70 lb	2ZDH4
	Galvanized	70 lb	2ZDJ1
4/0		365 lb	2ZDH9
5	Zinc	55 lb	2ZDH3



Single Loop Jack Chain



Double Loop Chain



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.

Thread Size	Length	Drive System	Head Style	Bulk Package Item No.	Pkg. Qty.	Standard Package Item No.	Pkg. Qty.
Camrail Bolt							
5/8-11	3 1/4"	Audi Torx (E-20)	Dome	19N114	100	—	—
	2 5/8"	Audi Torx (E-20)	Flat	19N091	120	19N050	10
	2 5/8"	Audi Torx (E-20)	Flat	19N084	100	19N043	10
3/4-10		Torx (TX-70)	Flat	19N085	110	—	—
	2 3/4"	Audi Torx (E-20)	Truss	—	—	19N047	10
	3"	Torx (TX-70)	Flat	19N081	60	19N040	5
	3 1/4"	Audi Torx (E-20)	Flat	—	—	19N046	10
	3 3/4"	Audi Torx (E-20)	Flat	19N086	80	19N045	10
	3"	Audi Torx (E-20)	Pan	—	—	19N059	5
7/8-9	3 3/4"	Audi Torx (E-20)	Dome	19N112	60	19N070	5
		Audi Torx (E-20)	Flat	19N096	60	—	—
		Audi Torx (E-20)	Pan	—	—	19N058	5
		Torx (TX-90)	Flat	—	—	19N055	5
	4"	Audi Torx (E-20)	Flat	19N095	60	19N054	5
		Audi Torx (E-20)	Pan	19N098	45	19N057	5
Camrail Flange Lock Nut							
3/4-10	—	Torx	Flange	19N090	300	19N049	20
7/8-9	—	Torx	Flange	19N103	200	19N061	20
For Use With				Item No.			
Camrail Tooling							
3/4 in Square Drive							
Bolts having E-20 AudiTORX Drive				19N074			



Grade 5 Steel Una Drive Bolts

- Tensile strength: 120,000 psi
- Bolts have phosphate and oil finish
- Nuts have zinc/wax finish

Internal hex socket drive in the threaded end holds the bolt steady while tightening and securing nuts. Button head design helps prevent tampering, and distributes the load over a large area for added joint strength. Phosphate and oil finish prevents rust in wet environments. Designed specifically for maintenance and repair use in locomotive applications.

Thread Size	Length	Minimum Thread Length	Drive Size	Item No.	Pkg. Qty.
Una Drive Bolt					
5/8-11	1 1/2 in	1 1/2 in	5/16 in	19T356	225
3/4-10	2 1/2 in	1 3/4 in	3/8 in	19T348	10
	2 1/2 in	2 in	3/8 in	19T350	5
7/8-9	3 in	2 in	3/8 in	19T351	5
	3 1/2 in	2 in	3/8 in	19T352	5
Una Drive Nut					
5/8-11	—	—	—	19T353	50
3/4-10	—	—	—	19T354	20



19T348

Dome Head 19N070

Camrail Flange Lock Nut 19N049

AudiTORX Drive 19N074