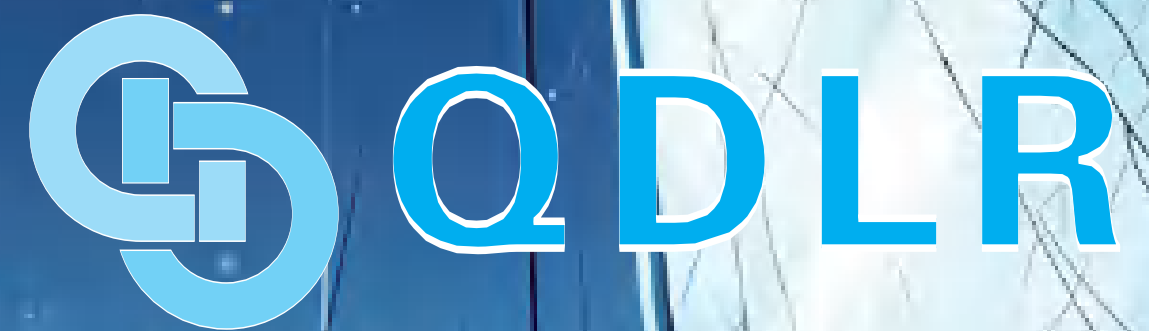




Qingdao Luckreal International Trade CO.,LTD
ADD:Room 935,Baolong Plaza,Jimo District,Qingdao City,China
MOBIL:+86-13697670228
TEL:0086-532-58719575
FAX:0086-532-58719575
WEBCHAT:melissayin0925
E-MAIL:admin@qdlrco.com
WEB:www.qdlrco.com

Qingdao Luckreal International Trade CO.,LTD

WIRE ROPE CLIP	1-3
SHACKLE	4-7
TURNBUCKLE	8-14
THIMBLE	15
EYE BOLT AND NUT	16-19
HOOK AND LINK	20-26
BLOCK AND LOGGING	27-28
CHAIN LINK	29
CHAIN AND FITTING	30-33
WIRE ROPE	34-37
SWAGE SLEEVE	38-39
STAINLESS STEEL FITTING	40-45



Precision Formed® SS Quick Link T316

Part #	Trade Size (in)	Working Load Limit (lbs)	Weight Ea (lbs)
LNKQSS1/8	1/8	275	.03
LNKQSS3/16	3/16	400	.05
LNKQSS1/4	1/4	880	.08
LNKQSS5/16	5/16	1,700	.18
LNKQSS3/8	3/8	2,100	.30
LNKQSS1/2	1/2	2,500	.52



Precision Formed® SS Spring Snap Link T316

Part #	Trade Size (in)	Working Load Limit (lbs)	Weight Ea (lbs)
LNKSPGSS1/8	1/8	80	.03
LNKSPGSS3/16	3/16	120	.04
LNKSPGSS1/4	1/4	180	.06
LNKSPGSS5/16	5/16	280	.15
LNKSPGSS3/8	3/8	400	.27
LNKSPGSS1/2	1/2	900	.78



Stainless Steel Chain T316

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Approx Weight per 100 ft (lbs)
1/8	500	2,000	0.25	0.94	25
3/16	800	3,730	0.30	0.98	42
1/4	1,570	6,280	0.30	1.24	65
5/16	2,400	9,600	0.38	1.29	86
3/8	3,550	14,200	0.55	1.38	140
1/2	6,500	26,000	0.62	1.79	260
5/8	9,800	39,200	0.79	2.20	358
3/4	15,000	60,000	0.98	2.85	560

Made with high percentages of nickel, chrome and molybdenum
Not for Overhead Lifting

Stainless Steel

Precision Formed® SS Eye & Eye Swivel T316

Part #	Trade Size (in)	Overall Length (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SWVLEESS1/4	1/4	2.60	660	0.13
SWVLEESS5/16	5/16	3.54	1,045	0.24
SWVLEESS3/8	3/8	4.53	1,923	0.42
SWVLEESS1/2	1/2	5.75	2,750	1.28
SWVLEESS5/8	5/8	7.40	4,675	2.30



Precision Formed® SS Jaw & Eye Swivel T316

Part #	Trade Size (in)	Overall Length (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SWVLJESS1/4	1/4	2.60	660	0.15
SWVLJESS5/16	5/16	3.54	1,045	0.31
SWVLJESS3/8	3/8	4.53	1,923	0.65
SWVLJESS1/2	1/2	5.75	2,750	1.28
SWVLJESS5/8	5/8	7.40	4,675	2.80



Precision Formed® SS Jaw & Jaw Swivel T316

Part #	Trade Size (in)	Overall Length (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SWVLJJSS1/4	1/4	2.60	660	0.15
SWVLJJSS5/16	5/16	3.54	1,045	0.35
SWVLJJSS3/8	3/8	4.53	1,923	0.70
SWVLJJSS1/2	1/2	5.75	2,750	1.39
SWVLJJSS5/8	5/8	7.40	4,675	2.90



Wire Rope Clips

WARNING! WIRE ROPE CLIPS ARE NOT DESIGNED FOR LOAD CARRYING PURPOSES OR OVERHEAD LIFTING, THEREFORE WORKING LOAD LIMITS HAVE NOT BEEN ESTABLISHED

Drop Forged Wire Rope Clips Hot Dipped Galvanized

ROPE SIZE in inches	MINIMUM No. of Clips	* Torque Ft. Lbs.	Length of Turn Back in Inches	Approx Wt per 100 pcs
1/8	2	34 in-lbs	3-1/4	6
3/16	2	66 in-lbs	3-3/4	10
1/4	2	12	4-3/4	18
5/16	2	18.5	5-1/4	30
3/8	2	25	6-1/2	47
7/16	2	35	7	76
1/2	3	35	11-1/2	80
9/16	3	50	12	104
5/8	3	50	12	106
3/4	4	100	18	150
7/8	4	140	19	212
1"	5	140	26	260
1-1/8	6	140	34	290
1-1/4	7	275	44	430
1-3/8	7	275	44	460
1-1/2	8	275	54	540
1-5/8	8	420	58	700
1-3/4	8	590	61	925
2"	8	750	71	1,300
2-1/4	8	750	73	1,600
2-1/2	9	750	84	1,900



Meets Federal Spec
FF-C-450D
Type 1, Class 1

Malleable Wire Rope Clips Electro Galvanized

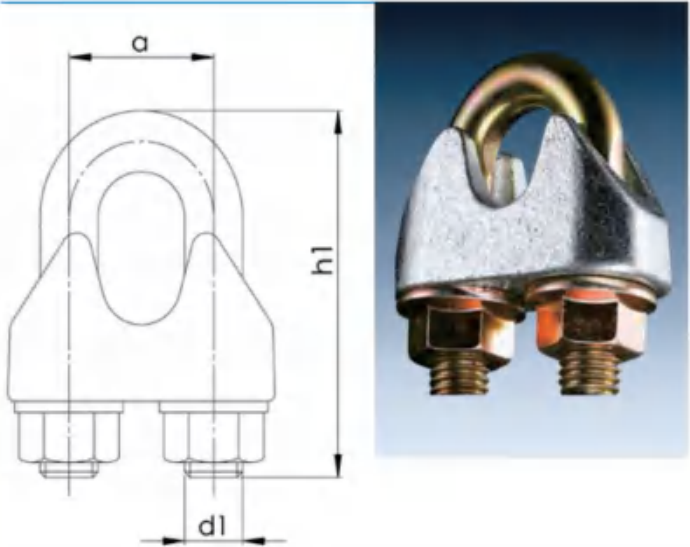
ROPE SIZE in inches	MINIMUM No. of Clips	* Torque Ft. Lbs.	Length of Turn Back in Inches	Approx Wt per 100 pcs
1/16	3	2	4	3.5
1/8	3	2	4-3/4	3.8
3/16	3	2.67	5-1/2	6.3
1/4	3	12	7	11.8
5/16	3	12	7-3/4	13
3/8	3	18.5	9-1/2	23
7/16	4	18.5	10-1/4	23
1/2	4	25	15-1/2	38
9/16	4	35	16	44
5/8	4	35	16	57
3/4	5	50	22-1/4	78
7/8	5	100	23-1/2	120
1"	6	100	31	150
1-1/8	7	140	39	263
1-1/4	8	140	50	315



Meets Federal Spec
FF-C-450D
Type 1, Class 2

Wire Rope Clips DIN EN 13411-5
Bridge: Galvanized,
U-Bolt and nut: Yellow chromated

Material: U-Bolt: Property class 6.8
Bridge: Cast iron
Collar nut: Property class 6
Marking: NG – Rope diameter



Article-No.	Nominal size	a	d1	h1	Wrench size	Quantity of clips	Required torque	Weight per 100 pcs.	Units per bag
		[mm]	[mm]	[mm]					
22000500	5,0	12	M5	25	8	3	2,0	2,1	100
22000650	6,5	14	M6	32	10	4	3,5	4,0	100
22000800	8,0	18	M8	41	13	4	6,0	8,2	50
22001000	10,0	20	M8	46	13	4	9,0	9,2	50
22001200	12,0	24	M10	56	16	4	20,0	17,1	25
22001300*	13,0	27	M12	64	18	4	33,0	27,5	25
22001400	14,0	28	M12	66	18	4	33,0	27,7	25
22001600	16,0	32	M14	76	21	4	49,0	43,0	1
22001900	19,0	36	M14	83	21	4	68,0	49,0	1
22002200	22,0	40	M16	96	24	5	107,0	68,0	1
22002600	26,0	46	M20	118	30	5	147,0	117,0	1
22003000	30,0	54	M20	131	30	6	212,0	140,0	1
22003400	34,0	60	M22	150	34	6	296,0	213,0	1
22004000	40,0	68	M24	167	34	6	363,0	268,0	1

Precision Formed® SS Lifting Eye Bolt w/Nut T316

Part #	Thread Pitch (in)	Shank Length (in)	Eye Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
EBSSL1/4-1	1/4-20	1-9/16	9/16	500	.08
EBSSL1/4-2	1/4-20	2-5/16	9/16	500	.09
EBSSL1/4-3	1/4-20	3-1/8	9/16	500	.09
EBSSL1/4-4	1/4-20	4	9/16	500	.10
EBSSL5/16-1	5/16-18	2-5/16	3/4	900	.16
EBSSL5/16-2	5/16-18	3-1/8	3/4	900	.17
EBSSL5/16-3	5/16-18	4	3/4	900	.19
EBSSL5/16-4	5/16-18	4-3/4	3/4	900	.21
EBSSL3/8-1	3/8-16	3-1/8	1	1,400	.31
EBSSL3/8-2	3/8-16	4	1	1,400	.32
EBSSL3/8-3	3/8-16	4-3/4	1	1,400	.34
EBSSL1/2-1	1/2-13	4	1-5/32	2,200	.54
EBSSL1/2-2	1/2-13	4-3/4	1-5/32	2,200	.60

Precision Formed® SS Machinery Eye Bolt w/Nut T316

Part #	Thread Pitch (in)	Shank Length (in)	Eye Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
EBMSS1/4	1/4-20	1/2	5/8	400	.05
EBMSS5/16	5/16-18	5/8	3/4	800	.07
EBMSS3/8	3/8-16	3/4	1	1,350	.14
EBMSS1/2	1/2-13	1	1-1/4	2,100	.30
EBMSS5/8	5/8-11	1-1/8	1-3/8	3,800	.45
EBMSS3/4	3/4-10	1-5/16	1-9/16	6,200	.80

Precision Formed® SS Eye Nut T316

Part #	Thread Pitch (in)	Eye Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
ENSS1/4	1/4-20	5/8	400	.05
ENSS5/16	5/16-18	3/4	800	.07
ENSS3/8	3/8-16	1	1,350	.14
ENSS1/2	1/2-13	1-1/4	2,100	.30
ENSS5/8	5/8-11	1-3/8	3,800	.45
ENSS3/4	3/4-10	1-9/16	6,200	.80



Precision Formed® SS Eye & Eye Turnbuckle T316

Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBEES1/4X4	1/4 X 4	352	0.418
TBEES5/16X4.1/2	5/16 X 4-1/2	550	0.594
TBEES3/8X6	3/8 X 6	880	0.792
TBEES1/2X6	1/2 X 6	1,540	1.606
TBEES5/8X6	5/8 X 6	2,464	2.750
TBEES3/4X6	3/4 X 6	3,520	3.894

- Available in both cast and forged



Precision Formed® SS Jaw & Eye Turnbuckle T316

Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJES1/4X4	1/4 X 4	352	0.462
TBJES5/16X4.1/2	5/16 X 4-1/2	550	0.660
TBJES3/8X6	3/8 X 6	880	0.836
TBJES1/2X6	1/2 X 6	1,540	1.650
TBJES5/8X6	5/8 X 6	2,464	2.794
TBJES3/4X6	3/4 X 6	3,520	3.240

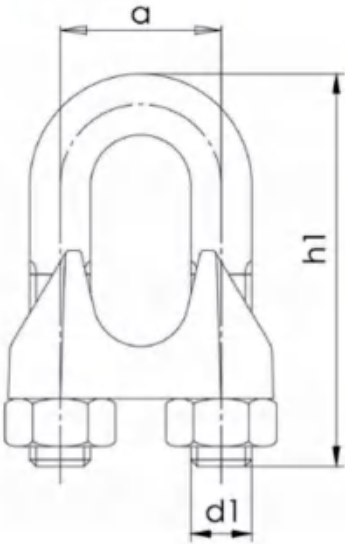
- Available in both cast and forged



Precision Formed® SS Jaw & Jaw Turnbuckle T316

Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJJS1/4X4	1/4 X 4	352	0.528
TBJJS5/16X4.1/2	5/16 X 4-1/2	550	0.726
TBJJS3/8X6	3/8 X 6	880	0.880
TBJJS1/2X6	1/2 X 6	1,540	1.738
TBJJS5/8X6	5/8 X 6	2,464	3.036
TBJJS3/4X6	3/4 X 6	3,520	4.750

- Available in both cast and forged



Wire Rope Clips, formerly DIN 741
Galvanized

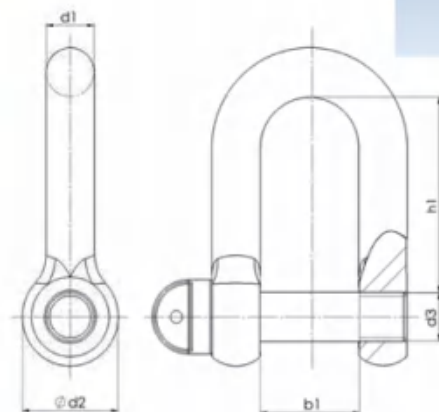
Light type
Wire rope clips for rope end connections,
for subordinate requirements

Material: U-Bolt: Property class 4.6
Bridge: Cast iron
Hexagon nut: Property class 5

Artikel-Nr.	Nenngröße		a	d1	h1	Schlüsselweite	Gewicht per 100 Stk.	Stück pro VPE
Article-No.	Nominal size		[mm]	[mm]	[mm]	Wrench size [mm]	Weight per 100 pcs. [kg]	Units per bag
21011800	3,0	1/8"	9	M4	20	7	1,4	250
21023160	5,0	3/16"	11	M5	24	8	1,5	250
21031400	6,5	1/4"	13	M5	28	8	2,1	200
21045160	8,0	5/16"	16	M6	34	10	4,1	100
21053800	9,5	3/8"	19	M8	42	13	6,8	50
21067160	11,0	7/16"	20	M8	44	13	7,2	50
21071200	13,0	1/2"	24	M10	55	17	13,0	50
21089160	14,0	9/16"	25	M10	57	17	13,5	50
21095800	16,0	5/8"	29	M12	63	19	21,0	25
21103400	19,0	3/4"	32	M12	75	19	28,0	25
21117800	22,0	7/8"	37	M14	85	22	40,0	10
21121000	26,0	1"	41	M14	95	22	44,0	10
21131180	30,0	1 1/8"	48	M16	110	24	66,0	1
21141140	34,0	1 1/4"	52	M16	120	24	85,0	1
21151120	40,0	1 1/2"	58	M16	140	24	104,0	1
21161340	45,0	1 3/4"	65	M18	165	27	190,0	1
21172000	50,0	2"	72	M20	170	30	200,0	1

Shackles, commercial type D-shape, with screw collar pin

Finish: Galvanized
Material: Structural steel
Marking: WK / WLL
Certificates: Optional with test report
acc. to DIN EN 10204, 2.2



Artikel-Nr.	Nenngröße		WLL	b1	d1	d2	d3	h1	Gewicht per 100 Stk.	Stück pro VPE
Article-No.	Nominal size								Weight per 100 pcs.	Units per bag
			[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
1001316V	5	3/16"	0,08	10	5	10	5	20	1,6	100
1002140V	6	1/4"	0,10	12	6	12	6	24	3,2	100
1003516V	8	5/16"	0,20	16	8	16	8	32	7,0	50
1004380V	10	3/8"	0,30	20	10	19	10	40	13,4	25
1005716V	11	7/16"	0,40	22	11	21	11	44	17,6	25
1006120V	13	1/2"	0,50	25	12	24	12	48	25,0	25
1007916V	14	9/16"	0,60	28	14	27	14	56	36,0	25
1008580V	16	5/8"	0,80	32	16	31	16	64	53,0	10
1009340V	19	3/4"	1,10	38	19	38	20	80	92,0	1
1010780V	22	7/8"	1,50	44	22	43	22	85	140,0	1
1011100V	25	1"	2,00	50	25	49	25	100	215,0	1
1012118V	28	1 1/8"	3,00	56	28	54	28	116	340,0	1
1013114V	32	1 1/4"	3,50	64	32	62	32	129	460,0	1
1014138V	36	1 3/8"	4,00	70	36	70	36	138	590,0	1
1015112V	38	1 1/2"	5,00	76	38	74	38	151	760,0	1

Stainless Steel

Precision Formed® SS Wire Rope Clips T316

Part #	Size (in)	Size (mm)	Min Clips Required	Weight Ea (lbs)
CLPSS1/16	1/16	2	3	.02
CLPSS1/8	1/8	4	3	.16
CLPSS3/16	3/16	5	3	.08
CLPSS1/4	1/4	6	3	.09
CLPSS5/16	5/16	8	3	.19
CLPSS3/8	3/8	10	3	.38
CLPSS1/2	1/2	12	4	.53
CLPSS5/8	5/8	16	4	.90
CLPSS3/4	3/4	20	5	1.06

• Clips available in both cast and forged

Precision Formed® SS Thimbles T316, T304

Standard			Heavy Duty		
Part #	Size (in)	Weight Ea (lbs)	Part #	Size (in)	Weight Ea (lbs)
THSSSTD1/ 8	1/ 8	.005	--	--	--
THSSSTD5/ 32	5/ 32	.007	--	--	--
THSSSTD3/ 16	3/ 16	.015	--	--	--
THSSSTD1/ 4	1/ 4	.025	THSS1/ 4	1/ 4	.093
THSSSTD5/ 16	5/ 16	.032	THSS5/ 16	5/ 16	.110
THSSSTD3/ 8	3/ 8	.062	THSS3/ 8	3/ 8	.220
THSSSTD1/ 2	1/ 2	.093	THSS1/ 2	1/ 2	.440
THSSSTD5/ 8	5/ 8	.190	THSS5/ 8	5/ 8	.680
THSSSTD3/ 4	3/ 4	.320	THSS3/ 4	3/ 4	1.25
THSSSTD1	1	--	THSS1	1"	2.25



SS Standard Thimble



SS Heavy Duty Thimble

What makes the "stainless" in stainless steel?

Adding chromium to low carbon steel gives the "stainless" property to stainless steel. Stainless steel utilizes an oxide film on the surface to protect oxidation by combining chromium with oxygen in the atmosphere to form a self-repairing passive film. The table below is a partial list of the primary materials that make up stainless steel.

Material	AISI 304	AISI 316	Factor
Iron (Fe)	70%	70%	The bulk of the material
Carbon (C)	< / = 0.08%	< / = 0.08%	Controls hardness
Chromium (Cr)	18 - 21%	16 - 18%	Corrosion resistance
Molybdenum (Mo)	---	2 - 3%	Additional corrosion resistance
Nickel (Ni)	8 - 10.5%	10 - 14%	Softens metal for ease of process

All stainless steel shackles available in Cast and Forged

Precision Formed®
SS Screw Pin Anchor Shackle T316

Part #	Size (in)	Pin Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SPASS1/4	1/4	5/16	1,000	.12
SPASS5/16	5/16	3/8	1,500	.18
SPASS3/8	3/8	7/16	2,000	.31
SPASS7/16	7/16	1/2	3,000	.48
SPASS1/2	1/2	5/8	4,000	.68
SPASS5/8	5/8	3/4	6,500	1.25
SPASS3/4	3/4	7/8	9,500	2.25
SPASS7/8	7/8	1"	12,000	3.30
SPASS1	1"	1-1/8	14,000	4.80

Precision Formed®
SS Screw Pin Chain Shackle T316

Part #	Size (in)	Pin Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SPCSS1/4	1/4	5/16	1,000	.12
SPCSS5/16	5/16	3/8	1,500	.18
SPCSS3/8	3/8	7/16	2,000	.31
SPCSS7/16	7/16	1/2	3,000	.48
SPCSS1/2	1/2	5/8	4,000	.68
SPCSS5/8	5/8	3/4	6,500	1.25
SPCSS3/4	3/4	7/8	9,500	2.25
SPCSS7/8	7/8	1"	12,000	3.30
SPCSS1	1"	1-1/8	14,000	4.80

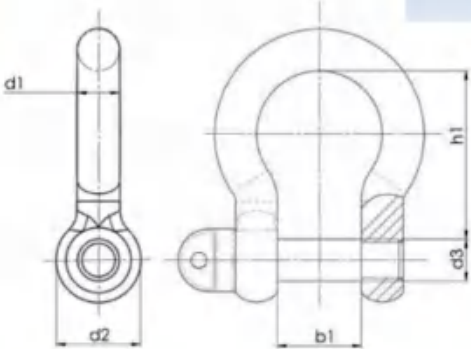
Precision Formed®
SS Bolt Type Anchor Shackle T316

Part #	Size (in)	Pin Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SFTYASS1/4	1/4	5/16	1,000	.12
SFTYASS5/16	5/16	3/8	1,500	.18
SFTYASS3/8	3/8	7/16	2,000	.31
SFTYASS7/16	7/16	1/2	3,000	.48
SFTYASS1/2	1/2	5/8	4,000	.68
SFTYASS5/8	5/8	3/4	6,500	1.25
SFTYASS3/4	3/4	7/8	9,500	2.25
SFTYASS7/8	7/8	1"	12,000	3.30
SFTYASS1	1"	1-1/8	14,000	4.80

JUST TRUST.

Shackles, commercial type
H-shape, with screw collar pin

Finish: Galvanized
Material: Structural steel
Marking: WK / WLL
Certificates: Optional with test report acc. to DIN EN 10204, 2.2



Artikel-Nr.	Nenngröße		WLL	b1	1	d2	d3	h1	Gewicht per 100 Stk.	Stück pro VPE
Article-No.	Nominal size								Weight per 100 pcs.	Units per bag
			[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
1201316V	5	3/16"	0,08	10	5	10	5	20	1,6	100
1202140V	6	1/4"	0,10	12	6	12	6	24	3,2	100
1203516V	8	5/16"	0,20	16	8	16	8	32	7,0	50
1204380V	10	3/8"	0,30	20	10	19	10	40	13,4	25
1205716V	11	7/16"	0,40	22	11	21	11	45	17,6	25
1206120V	13	1/2"	0,50	25	12	24	12	49	25,0	25
1207916V	14	9/16"	0,60	28	14	27	14	59	36,0	25
1208580V	16	5/8"	0,80	32	16	31	16	64	53,0	10
1209340V	19	3/4"	1,10	38	19	38	20	80	92,0	1
1210780V	22	7/8"	1,50	44	22	43	22	85	140,0	1
1211100V	25	1"	2,00	50	25	49	25	100	215,0	1
1212118V	28	1 1/8"	3,00	56	28	54	28	116	340,0	1
1213114V	32	1 1/4"	3,50	64	32	62	32	129	460,0	1
1214138V	36	1 3/8"	4,00	70	36	70	36	138	590,0	1
1215112V	38	1 1/2"	5,00	76	38	74	38	151	760,0	1

- Forged Carbon Steel Bodies
- Alloy Pins
- Heat Treated

Screw Pin Anchor Shackles Hot Dipped Galvanized

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Inside Width at bow (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
3/16	1/4	3/8	19/32	1/3	.05
1/4	5/16	1/2	3/4	1/2	.10
5/16	3/8	9/16	1	3/4	.19
3/8	7/16	11/16	1-1/8	1	.25
7/16	1/2	3/4	1-1/4	1-1/2	.50
1/2	5/8	13/16	1-5/16	2	.75
5/8	3/4	1-1/16	1-11/16	3-1/4	1.44
3/4	7/8	1-1/4	2	4-3/4	2.50
7/8	1	1-7/16	2-1/4	6-1/2	3.50
1	1-1/8	1-11/16	2-5/8	8-1/2	5.25
1-1/8	1-1/4	1-7/8	3	9-1/2	7.25
1-1/4	1-3/8	2	3-3/8	12	9.75
1-3/8	1-1/2	2-1/4	3-5/8	13-1/2	13.25
1-1/2	1-5/8	2-3/8	3-7/8	17	17.70
1-3/4	2	2-7/8	5	25	30.38
2	2-1/4	3-1/4	5-3/4	35	45.00
2-1/2	2-3/4	4-1/8	7-1/4	55	85.75

Shackle pins come hot-dipped galvanized or colored
Colored shackle pins are powder coated over zinc plating

Bolt Type Anchor Shackles Hot Dipped Galvanized

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Inside Width at bow (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
1/2	5/8	13/16	1-5/16	2	.75
5/8	3/4	1-1/16	1-11/16	3-1/4	1.44
3/4	7/8	1-1/4	2	4-3/4	2.50
7/8	1	1-7/16	2-1/4	6-1/2	3.50
1	1-1/8	1-11/16	2-5/8	8-1/2	5.25
1-1/8	1-1/4	1-7/8	3	9-1/2	7.25
1-1/4	1-3/8	2	3-3/8	12	11.50
1-3/8	1-1/2	2-1/4	3-5/8	13-1/2	15.00
1-1/2	1-5/8	2-3/8	3-7/8	17	18.70
1-3/4	2	2-7/8	5	25	30.38
2	2-1/4	3-1/4	5-3/4	35	45.00
2-1/2	2-3/4	4-1/8	7-1/4	55	85.75
3	3-1/4	5	7-7/8	85	145.00

Hammerhead Rafting Dogs Drop Forged

Size (in)	Weight Each (lbs)
5/8	1



Choker Ferrules

Part #	Rope Size (in)	Die Used	Pieces per Std. Pkg
M-3-P	3/8	MD. Pocket	100
M-7/16-P	7/16	MD. Pocket	100
M-4-P	1/2	MD. Pocket	100
M-9/16-P	9/16	MD. Pocket	100
D-5-P	5/8	DWF. Pocket	50
B-5-P	5/8	BTM. Pocket	40
B-6-P	3/4	BTM. Pocket	40
B-7-P	7/8	BTM. Pocket	40
L-5-P	5/8	1" Open Channel LT. Pocket	25
L-6-P	3/4	1" Open Channel LT. Pocket	25
L-7-P	7/8	1" Open Channel LT. Pocket	25
L-8-P	1	1" Open Channel LT. Pocket	25



Quickway Ferrules

Part #	Color	Rope Size (in)	Die Used	Pieces Per Std. Pge.
M-4	Silver	1/2	Midget	.25
D-4	Cream	1/2	Dwarf	.45
D-5	Pink	5/8	Dwarf	.50
B-4	Brown	1/2	Bantam	.90
B-5	Maroon	5/8	Bantam	.85
B-6	Gray	3/4	Bantam	.75
L-6	White	3/4	Light	1.90
L-7	Black	7/8	Light	1.75
L-8	Green	1	Light	1.60
LJ-7	Red	7/8	Light Jr.	2.40
LJ-8	Blue	1	Light Jr.	2.25
LJ-9	Yellow	1-1/8	Light Jr.	2.20
LJ-10	Orange	1-1/4	Light Jr.	2.00
S-10	Purple	1-1/4	Standard	3.50
S-11	Gold	1-3/8	Standard	3.25



Purple Pin™ Shackles



Meets Federal Spec
RR-C-271d, Type IV A
Grade A, Class 2

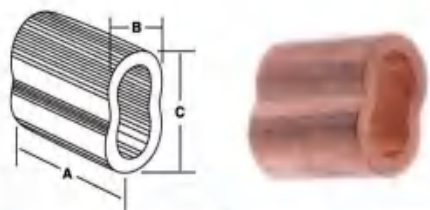
Neon Green Pin™ Shackles



Meets Federal Spec
RR-C-271d, Type IV A
Grade A, Class 3

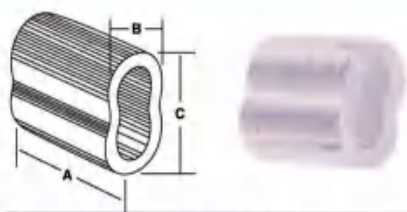
Swage Sleeves

- Plain Copper
- Zinc Plated Copper
- Aluminum



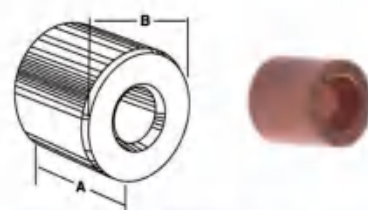
Copper Oval Sleeves Includes Zinc Plated

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)		
		A	B	C
1/32	.05	0.248"	0.086"	0.129"
3/64	.17	0.390	0.134	0.201
1/16	.26	0.390	0.170	0.251
3/32	.53	0.400	0.224	0.369
1/8	1.57	0.575	0.324	0.429
5/32	2.24	0.625	0.365	0.592
3/16	5.12	1.000	0.449	0.671
7/32	4.45	0.875	0.461	0.713
1/4	7.87	1.138	0.515	0.810
5/16	11.55	1.125	0.665	1.010
3/8	14.76	1.312	0.727	1.110
1/2	37.70	1.900	0.965	1.480



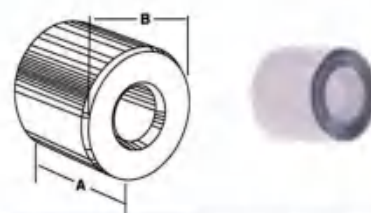
Aluminum Oval Sleeves

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)		
		A	B	C
3/64	0.05	0.375"	0.133"	0.198"
1/16	0.09	0.375	0.172	0.250
3/32	0.32	0.500	0.281	0.406
1/8	0.64	0.625	0.344	0.500
5/32	0.80	0.688	0.375	0.562
3/16	1.55	1.010	0.445	0.666
7/32	2.22	1.060	0.500	0.750
1/4	2.52	1.125	0.536	0.812
5/16	4.50	1.250	0.687	1.032
3/8	6.07	1.438	0.750	1.156
1/2	17.60	2.000	1.060	1.625



Copper Stop Sleeves

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)	
		A	B
3/64	.14	0.218"	0.203"
1/16	.19	0.218	0.203"
3/32	.78	0.328	0.328
1/8	.70	0.328	0.328
5/32	1.18	0.328	0.422
3/16	1.06	0.328	0.422
1/4	6.10	0.703	0.650
5/16	5.25	0.703	0.650



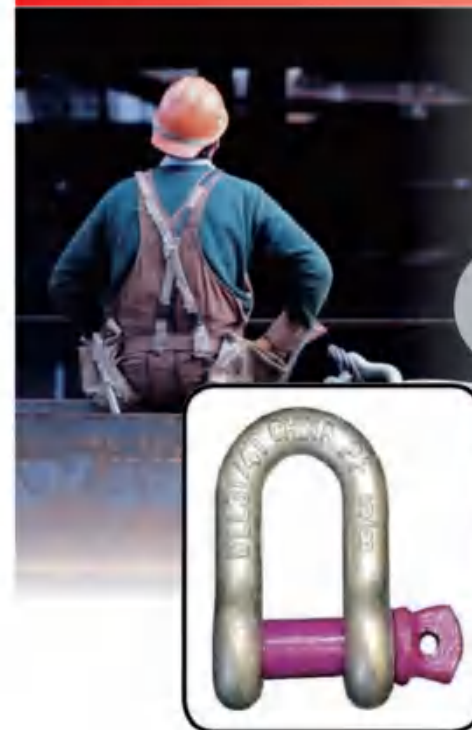
Aluminum Stop Sleeves

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)	
		A	B
1/16	0.060	0.156"	0.250"
3/32	0.250	0.313	0.344
1/8	0.210	0.313	0.344
5/32	0.420	0.344	0.438
3/16	0.390	0.344	0.438
1/4	0.204	0.688	0.688



Chain Shackles

- Forged Carbon Steel Bodies
- Alloy Pins
- Heat Treated



Meets Federal Spec
RR-C-271d, Type IV B
Grade A, Class 2

Screw Pin Chain Shackles Hot Dipped Galvanized

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
1/4	5/16	1/2	1/2	.11
5/16	3/8	9/16	3/4	.17
3/8	7/16	11/16	1	.28
7/16	1/2	3/4	1-1/2	.43
1/2	5/8	13/16	2	.59
5/8	3/4	1-1/16	3-1/4	1.25
3/4	7/8	1-1/4	4-3/4	2.63
7/8	1	1-7/16	6-1/2	3.16
1	1-1/8	1-11/16	8-1/2	4.75
1-1/8	1-1/4	1-7/8	9-1/2	6.75
1-1/4	1-3/8	2	12	9.06
1-3/8	1-1/2	2-1/4	13-1/2	11.63
1-1/2	1-5/8	2-3/8	17	15.95
1-3/4	2	2-7/8	25	26.75
2	2-1/4	3-1/4	35	42.30

Shackle pins come hot-dipped galvanized or colored
Colored shackle pins are powder coated over zinc plating

Bolt Type Chain Shackles Hot Dipped Galvanized

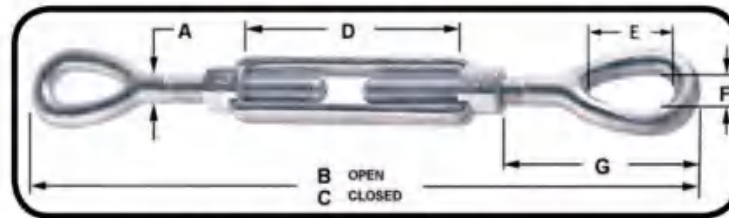


Meets Federal Spec
RR-C-271d, Type IV B
Grade A, Class 3

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
7/16	1/2	3/4	1-1/2	.49
1/2	5/8	13/16	2	.75
5/8	3/4	1-1/16	3-1/4	1.47
3/4	7/8	1-1/4	4-3/4	2.52
7/8	1	1-7/16	6-1/2	3.85
1	1-1/8	1-11/16	8-1/2	5.55
1-1/8	1-1/4	1-7/8	9-1/2	7.60
1-1/4	1-3/8	2	12	10.81
1-3/8	1-1/2	2-1/4	13-1/2	13.75
1-1/2	1-5/8	2-3/8	17	18.50
1-3/4	2	2-7/8	25	31.40
2	2-1/4	3-1/4	35	46.75

Turnbuckles

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



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

Eye & Eye Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	0.30	0.25	12.25	8.25	4.00	0.78	0.34	1.75
5/16 X 4 1/2	800	0.47	0.31	14.12	9.62	4.50	0.94	0.44	2.09
3/8 X 6	1,200	0.75	0.38	18.16	12.16	6.00	1.12	0.53	2.52
1/2 X 6	2,200	1.60	0.50	19.96	13.96	6.00	1.44	0.72	3.23
1/2 X 9	2,200	1.83	0.50	25.96	16.96	9.00	1.44	0.72	3.23
1/2 X 12	2,200	2.08	0.50	31.96	19.96	12.00	1.44	0.72	3.23
5/8 X 6	3,500	2.75	0.63	21.68	15.68	6.00	1.75	0.88	3.90
5/8 X 9	3,500	3.13	0.63	27.68	18.68	9.00	1.75	0.88	3.90
5/8 X 12	3,500	3.50	0.63	33.68	21.68	12.00	1.75	0.88	3.90
3/4 X 6	5,200	3.89	0.75	23.62	17.62	6.00	2.09	1.00	4.69
3/4 X 9	5,200	4.61	0.75	29.62	20.62	9.00	2.09	1.00	4.69
3/4 X 12	5,200	5.43	0.75	35.62	23.62	12.00	2.09	1.00	4.69
3/4 X 18	5,200	7.25	0.75	47.62	29.62	18.00	2.09	1.00	4.69
7/8 X 12	7,200	8.10	0.88	36.82	24.82	12.00	2.38	1.25	5.10
7/8 X 18	7,200	9.95	0.88	48.82	30.82	18.00	2.38	1.25	5.10
1 X 6	10,000	9.33	1.00	27.72	21.72	6.00	3.00	1.44	6.36
1 X 12	10,000	11.93	1.00	39.97	27.72	12.00	3.00	1.44	6.36
1 X 18	10,000	14.00	1.00	51.72	33.72	18.00	3.00	1.44	6.36
1 X 24	10,000	17.25	1.00	63.72	39.72	24.00	3.00	1.44	6.36
1-1/4 X 12	15,200	19.00	1.25	42.56	30.56	12.00	3.56	1.81	7.72
1-1/4 X 18	15,200	23.00	1.25	54.56	36.56	18.00	3.56	1.81	7.72
1-1/4 X 24	15,200	27.00	1.25	66.56	42.56	24.00	3.56	1.81	7.72
1-1/2 X 12	21,400	27.50	1.50	45.00	33.00	12.00	4.06	2.12	8.62
1-1/2 X 18	21,400	31.00	1.50	57.00	39.00	18.00	4.06	2.12	8.62
1-1/2 X 24	21,400	37.50	1.50	69.00	45.34	24.00	4.06	2.12	8.62
1-3/4 X 18	28,000	52.50	1.75	60.38	42.38	18.00	4.62	2.38	10.00
1-3/4 X 24	28,000	58.00	1.75	72.38	48.38	24.00	4.62	2.38	10.00
2 X 24	37,000	85.25	2.00	79.19	55.19	24.00	5.75	2.69	13.09
2-1/2 X 24	60,000	144.25	2.50	82.62	58.62	24.00	6.50	3.12	13.78
2-3/4 X 24	75,000	194.00	2.75	85.50	61.50	24.00	7.00	3.25	15.22

Galvanized Strand



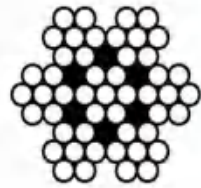
Galvanized Steel Wire Strand Per ASTM A475-03

Nominal Diameter (in)	Construction	Nominal Diameter of Coated Wires in Strand (in)	Approx. Weight per 1000ft (lbs)	Minimum Breaking Load (lbs)				
				Utilities Grade	Common Grade	Siemens Martin Grade	High Strength Grade	Extra High Strength Grade
3/16	1 X 7	0.062	73	---	1,150	1,900	2,850	3,990
3/16	1 X 7	0.065	80	2,400	---	---	---	---
7/32	1 X 7	0.072	98	---	1,540	2,560	3,850	5,400
1/4	1 X 3	0.120	117	3,150	---	---	---	---
1/4	1 X 3	0.120	117	4,500	---	---	---	---
1/4	1 X 7	0.080	121	---	1,900	3,150	4,750	6,650
9/32	1 X 7	0.093	164	4,600	2,570	4,250	6,400	8,950
5/16	1 X 3	0.145	171	6,500	---	---	---	---
5/16	1 X 7	0.104	205	---	3,200	5,350	8,000	11,200
5/16	1 X 7	0.109	225	6,000	---	---	---	---
3/8	1 X 3	0.165	220	8,500	---	---	---	---
3/8	1 X 7	0.120	273	11,500	4,250	6,950	10,800	15,400
7/16	1 X 7	0.145	399	18,000	5,700	9,350	14,500	20,800
1/2	1 X 7	0.165	517	25,000	7,400	12,100	18,800	26,900
9/16	1 X 7	0.188	670	---	9,600	15,700	24,500	35,000
5/8	1 X 7	0.207	813	---	11,600	19,100	29,600	42,400
3/4	1 X 19	0.150	1,155	---	16,000	26,200	40,800	58,300



Galvanized Cable

Galvanized Cable



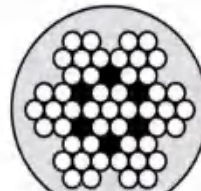
7 X 7



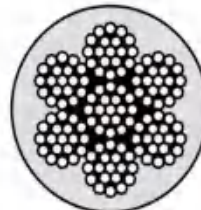
7 X 19

CONSTRUCTION	7 X 7		7 X 19	
Diameter (in.)	Breaking Strength (lbs)	Weight per 1000 ft (lbs)	Breaking Strength (lbs)	Weight per 1000ft (lbs)
3/64	270	4.2	---	---
1/16	480	7.5	480	7.5
3/32	920	16	1,050	16
1/8	1,700	28	2,000	29
5/32	2,600	43	2,800	45
3/16	3,700	62	4,200	65
7/32	4,800	83	5,600	86
1/4	6,100	105	7,000	110
5/16	9,200	167	9,800	173
3/8	13,100	236	14,400	243
7/16	---	---	19,500	360

PVC Coated Galvanized Cable



7 X 7



7 X 19

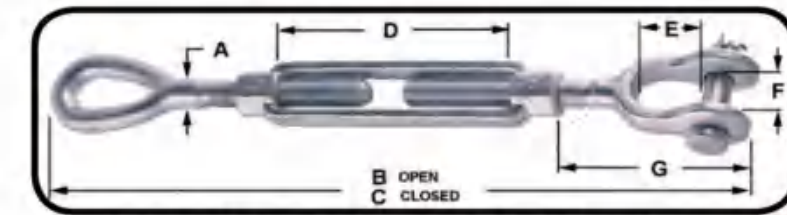
Cable Diameter (in)	Coating Diameter (in)	Cable Construction	Breaking Strength (lbs)	Weight per 1000 ft (lbs)
1/16	3/32	7 X 7	480	9
3/32	1/8	7 X 7	920	18
1/8	3/16	7 X 7	1,700	35
3/16	1/4	7 X 7	3,700	74
1/8	3/16	7 X 19	2,000	36
3/16	1/4	7 X 19	4,200	77
1/4	5/16	7 X 19	7,000	123
5/16	3/8	7 X 19	9,800	197
3/8	7/16	7 X 19	14,400	270

Other cable and coating sizes available upon request

Galvanized Cable, normally referred to as "aircraft cable", is not intended for aircraft use. It is not certified to MIL-W-83420 because our cable does not go through all the testing requirements, notably the cycle test that is required to be on the federal governments QPL. All other testing and certifications are valid. Mill test certificates are provided upon request.

Turnbuckles

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



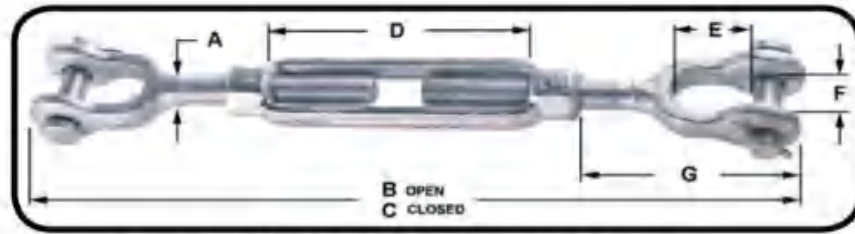
Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 8

Jaw & Eye Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	.30	0.25	12.07	8.07	4.00	.62	.45	1.58
5/16 X 4 1/2	800	.50	0.31	14.01	9.51	4.50	.87	.50	1.98
3/8 X 6	1,200	.80	0.38	17.77	11.77	6.00	.87	.54	2.12
1/2 X 6	2,200	1.51	0.50	20.48	13.48	6.00	1.06	.55	2.75
1/2 X 9	2,200	1.71	0.50	26.48	16.48	9.00	1.06	.55	2.75
1/2 X 12	2,200	2.08	0.50	32.48	19.48	12.00	1.06	.55	2.75
5/8 X 6	3,500	2.35	0.63	22.53	15.28	6.00	1.31	.82	3.50
5/8 X 9	3,500	3.17	0.63	28.53	18.28	9.00	1.31	.82	3.50
5/8 X 12	3,500	3.61	0.63	34.53	21.28	12.00	1.31	.82	3.50
3/4 X 6	5,200	4.00	0.75	24.61	17.11	6.00	1.50	1.03	4.18
3/4 X 9	5,200	4.75	0.75	30.61	20.11	9.00	1.50	1.03	4.18
3/4 X 12	5,200	5.93	0.75	36.61	23.11	12.00	1.50	1.03	4.18
3/4 X 18	5,200	7.00	0.75	48.61	29.11	18.00	1.50	1.03	4.18
7/8 X 12	7,200	8.36	0.88	38.32	24.57	12.00	1.75	1.23	4.85
7/8 X 18	7,200	9.75	0.88	50.32	30.57	18.00	1.75	1.23	4.85
1 X 6	10,000	8.92	1.00	28.89	20.89	6.00	2.06	1.31	5.53
1 X 12	10,000	11.20	1.00	40.89	26.89	12.00	2.06	1.31	5.53
1 X 18	10,000	13.30	1.00	52.89	32.89	18.00	2.06	1.31	5.53
1 X 24	10,000	17.00	1.00	64.89	38.89	24.00	2.06	1.31	5.53
1-1/4 X 12	15,200	19.42	1.25	44.55	30.05	12.00	2.81	1.86	7.21
1-1/4 X 18	15,200	24.18	1.25	56.05	36.05	18.00	2.81	1.86	7.21
1-1/4 X 24	15,200	28.50	1.25	68.55	42.05	24.00	2.81	1.86	7.21
1-1/2 X 12	21,400	28.99	1.50	47.25	32.25	12.00	2.81	2.25	7.88
1-1/2 X 18	21,400	35.00	1.50	59.25	38.25	18.00	2.81	2.25	7.88
1-1/2 X 24	21,400	39.18	1.50	71.25	44.25	24.00	2.81	2.25	7.88
1-3/4 X 18	28,000	53.75	1.75	59.78	41.78	18.00	3.38	2.60	9.40
1-3/4 X 24	28,000	60.68	1.75	71.78	47.78	24.00	3.38	2.60	9.40
2 X 24	37,000	89.00	2.00	77.95	53.95	24.00	3.69	2.62	11.86
2-1/2 X 24	60,000	150.00	2.50	82.40	58.40	24.00	4.44	3.06	13.56
2-3/4 X 24	75,000	183.00	2.75	85.50	61.50	24.00	4.19	3.68	15.22

Turnbuckles

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor

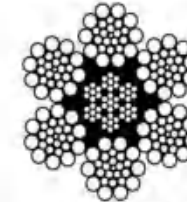


Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 7

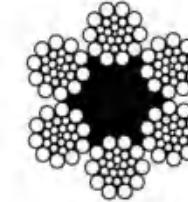
Jaw & Jaw Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	.30	0.25	12.07	8.07	4.00	.62	.45	1.58
5/16 X 4 1/2	800	.50	0.31	14.01	9.51	4.50	.87	.50	1.98
3/8 X 6	1,200	.80	0.38	17.77	11.77	6.00	.87	.54	2.12
1/2 X 6	2,200	1.51	0.50	20.48	13.48	6.00	1.06	.55	2.75
1/2 X 9	2,200	1.71	0.50	26.48	16.48	9.00	1.06	.55	2.75
1/2 X 12	2,200	2.08	0.50	32.48	19.48	12.00	1.06	.55	2.75
5/8 X 6	3,500	2.35	0.63	22.53	15.28	6.00	1.31	.82	3.50
5/8 X 9	3,500	3.17	0.63	28.53	18.28	9.00	1.31	.82	3.50
5/8 X 12	3,500	3.61	0.63	34.53	21.28	12.00	1.31	.82	3.50
3/4 X 6	5,200	4.00	0.75	24.61	17.11	6.00	1.50	1.03	4.18
3/4 X 9	5,200	4.75	0.75	30.61	20.11	9.00	1.50	1.03	4.18
3/4 X 12	5,200	5.93	0.75	36.61	23.11	12.00	1.50	1.03	4.18
3/4 X 18	5,200	7.00	0.75	48.61	29.11	18.00	1.50	1.03	4.18
7/8 X 12	7,200	8.36	0.88	38.32	24.57	12.00	1.75	1.23	4.85
7/8 X 18	7,200	9.75	0.88	50.32	30.57	18.00	1.75	1.23	4.85
1 X 6	10,000	8.92	1.00	28.89	20.89	6.00	2.06	1.31	5.53
1 X 12	10,000	11.20	1.00	40.89	26.89	12.00	2.06	1.31	5.53
1 X 18	10,000	13.30	1.00	52.89	32.89	18.00	2.06	1.31	5.53
1 X 24	10,000	17.00	1.00	64.89	38.89	24.00	2.06	1.31	5.53
1-1/4 X 12	15,200	19.42	1.25	44.55	30.05	12.00	2.81	1.86	7.21
1-1/4 X 18	15,200	24.18	1.25	56.05	36.05	18.00	2.81	1.86	7.21
1-1/4 X 24	15,200	28.50	1.25	68.55	42.05	24.00	2.81	1.86	7.21
1-1/2 X 12	21,400	28.99	1.50	47.25	32.25	12.00	2.81	2.25	7.88
1-1/2 X 18	21,400	35.00	1.50	59.25	38.25	18.00	2.81	2.25	7.88
1-1/2 X 24	21,400	39.18	1.50	71.25	44.25	24.00	2.81	2.25	7.88
1-3/4 X 18	28,000	53.75	1.75	59.78	41.78	18.00	3.38	2.60	9.40
1-3/4 X 24	28,000	60.68	1.75	71.78	47.78	24.00	3.38	2.60	9.40
2 X 24	37,000	89.00	2.00	77.95	53.95	24.00	3.69	2.62	11.86
2-1/2 X 24	60,000	150.00	2.50	82.40	58.40	24.00	4.44	3.06	13.56
2-3/4 X 24	75,000	183.00	2.75	85.50	61.50	24.00	4.19	3.68	15.22

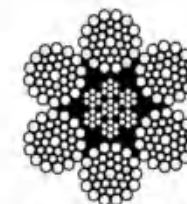
All wire rope is manufactured in accordance with International Standard ASTM A 1023



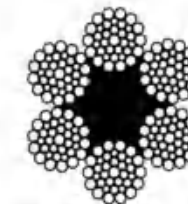
6 X 26WS IWRC



6 X 26WS FC



6 X 36WS IWRC

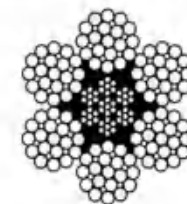


6 X 36WS FC

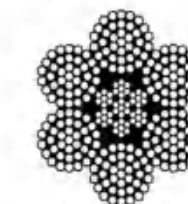
Drawn Galvanized Wire

Rope Available:

Drawn Galvanized Wire Rope is equal in strength to the same size and type of Bright wire rope.



6 X 25 IWRC



6 X 37 IWRC

IPS - Improved Plow Steel

EIPS - Extra Improved Plow Steel

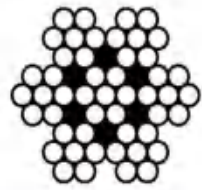
Wire Rope

6X19/37 Class Bright Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			IPS		EIPS	
	FC	IWRC	FC	IWRC	FC	IWRC
1/4	0.015	0.116	5,480	5,880	6,040	6,880
5/16	0.164	0.18	8,520	9,160	9,380	10,540
3/8	0.236	0.26	12,200	13,120	13,420	15,100
7/16	0.32	0.35	16,540	17,780	18,180	20,400
1/2	0.42	0.46	21,400	23,000	23,600	26,600
9/16	0.53	0.59	27,000	29,000	29,800	33,600
5/8	0.66	0.72	33,400	35,800	36,600	41,200
3/4	0.95	1.04	47,600	51,200	52,400	58,800
7/8	1.29	1.42	64,400	69,200	70,800	79,600
1	1.68	1.85	83,600	89,800	92,000	103,400
1-1/8	2.13	2.34	105,200	113,000	115,800	130,000
1-1/4	2.63	2.89	129,200	138,800	142,000	159,800
1-3/8	3.18	3.50	155,400	167,000	170,800	192,000
1-1/2	3.78	4.16	184,000	197,800	202,000	228,000
1-5/8	4.44	4.88	214,000	230,000	236,000	264,000
1-3/4	5.15	5.67	248,000	266,000	272,000	306,000
1-7/8	5.91	6.50	282,000	304,000	310,000	348,000
2	6.72	7.39	320,000	344,000	352,000	396,000

6X19/37 Class Galvanized Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			IPS		EIPS	
	FC	IWRC	FC	IWRC	FC	IWRC
1/4	0.015	0.116	4,940	5,300	5,430	6,120
5/16	0.164	0.18	7,660	8,240	8,440	9,480
3/8	0.236	0.26	10,980	11,800	12,090	13,600
7/16	0.32	0.35	14,880	16,000	16,380	18,360
1/2	0.42	0.46	19,260	20,700	21,240	24,000
9/16	0.53	0.59	24,300	26,100	26,820	30,200
5/8	0.66	0.72	30,000	32,200	32,940	37,000
3/4	0.95	1.04	42,800	46,000	47,160	53,000
7/8	1.29	1.42	58,000	62,200	63,720	71,600
1	1.68	1.85	75,200	80,800	82,800	93,000
1-1/8	2.13	2.34	94,600	101,800	104,040	117,000
1-1/4	2.63	2.89	116,200	125,000	127,980	143,800
1-3/8	3.18	3.50	139,800	150,400	153,900	172,800
1-1/2	3.78	4.16	165,600	178,000	181,800	206,000
1-5/8	4.44	4.88	192,600	207,000	212,400	238,000
1-3/4	5.15	5.67	224,000	240,000	246,600	276,000
1-7/8	5.91	6.50	254,000	274,000	280,800	314,000
2	6.72	7.39	288,000	310,000	316,800	356,000



7X7 Stainless Steel Cable

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.75	480	427
3/32	1.60	920	819
1/8	2.80	1,700	1,566
5/32	4.30	2,400	2,136
3/16	6.20	3,700	3,293
7/32	8.30	5,000	4,450
1/4	10.6	6,400	5,696
5/16	16.7	9,000	8,010
3/8	23.6	12,000	10,680



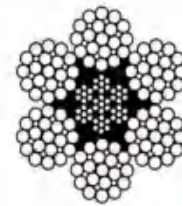
7X19 Stainless Steel Cable

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.75	480	427
3/32	1.74	920	819
1/8	2.90	1,760	1,566
5/32	4.50	2,400	2,136
3/16	6.50	3,700	2,900
7/32	8.60	5,000	4,450
1/4	11.0	6,400	5,696
5/16	17.3	9,000	7,600
3/8	24.3	12,000	11,000



1X19 Stainless Steel Strand

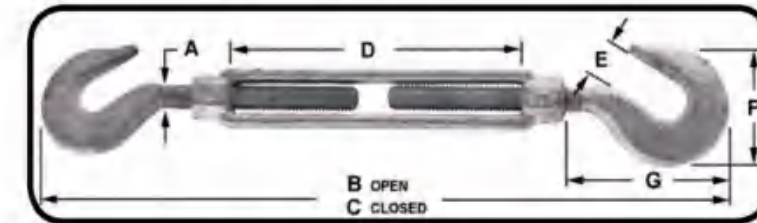
Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.85	550	480
3/32	2.00	1,200	1,070
1/8	3.50	2,100	1,760
5/32	5.50	3,300	3,000
3/16	7.70	4,700	4,270
7/32	10.2	6,300	5,730
1/4	13.5	8,200	7,460
5/16	21.0	12,500	11,800
3/8	30.0	17,500	16,500
1/2	54.0	31,000	29,500
9/16	69.0	38,000	36,100
5/8	85.0	47,400	44,970



6X19/37 Class SS Wire Rope

Diameter (in)	Approx. Weight/ft. (lb)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
5/16	0.18	9,000	8,200
3/8	0.26	12,000	10,800
7/16	0.35	16,300	14,800
1/2	0.46	22,800	20,500
9/16	0.59	28,500	25,700
5/8	0.72	35,000	31,500
3/4	1.04	49,600	44,600
7/8	1.42	66,500	59,900
1	1.85	85,400	76,900
1-1/8	2.34	106,400	95,800
1-1/4	2.89	129,400	116,500

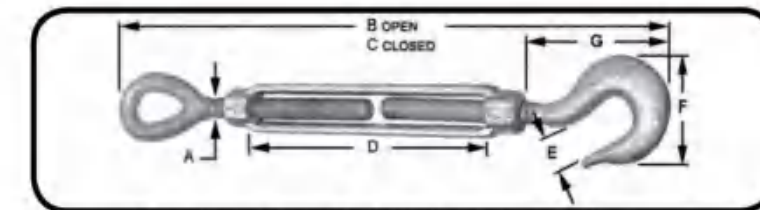
- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 5

Hook & Hook Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	400	.29	0.25	12.09	8.09	4.00	.45	1.27	1.75
5/16 X 4 1/2	700	.49	0.31	13.47	9.47	4.50	.50	1.50	2.09
3/8 X 6	1,000	.78	0.38	17.94	11.94	6.00	.56	1.77	2.52
1/2 X 6	1,500	1.61	0.50	20.67	13.67	6.00	.66	2.28	3.23
1/2 X 12	1,500	2.26	0.50	32.67	19.67	12.00	.66	2.28	3.23
5/8 X 6	2,250	2.70	0.63	22.72	15.47	6.00	.90	2.81	3.90
5/8 X 12	2,250	3.78	0.63	34.72	21.47	12.00	.90	2.81	3.90
3/4 X 6	3,000	3.89	0.75	24.95	17.45	6.00	.98	3.33	4.69
3/4 X 12	3,000	5.83	0.75	36.95	23.45	12.00	.98	3.33	4.69
3/4 X 18	3,000	6.33	0.75	48.95	29.45	18.00	.98	3.33	4.69
7/8 X 12	4,000	8.10	0.88	38.66	24.91	12.00	1.13	3.78	5.10
1 X 12	5,000	11.93	1.00	41.20	27.20	12.00	1.25	4.25	6.36



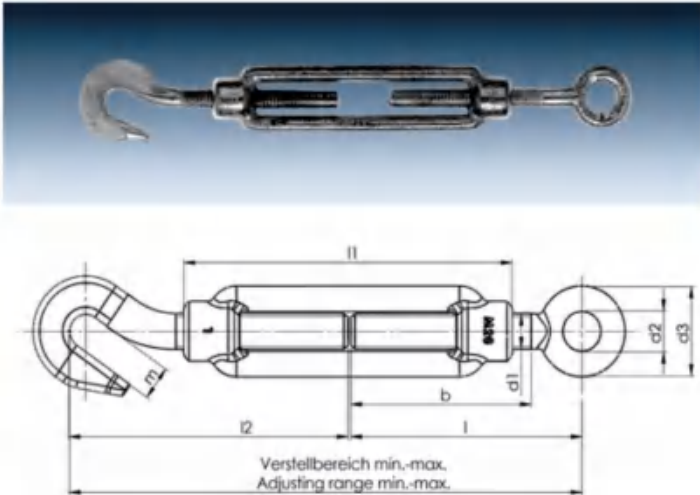
Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 6

Hook & Eye Turnbuckles Hot Dipped Galvanized

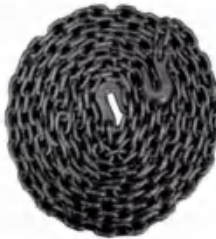
Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	400	.33	0.25	12.29	8.29	4.00	.45	1.27	1.75
5/16 X 4 1/2	700	.54	0.31	14.28	9.78	4.50	.50	1.50	2.09
3/8 X 6	1,000	.73	0.38	18.04	12.04	6.00	.56	1.77	2.52
1/2 X 6	1,500	1.42	0.50	20.79	14.79	6.00	.66	2.28	3.23
1/2 X 12	1,500	2.05	0.50	33.08	21.08	12.00	.66	2.28	3.23
5/8 X 6	2,250	2.65	0.63	22.61	16.61	6.00	.90	2.81	3.90
5/8 X 12	2,250	3.33	0.63	34.95	22.95	12.00	.90	2.81	3.90
3/4 X 6	3,000	3.57	0.75	24.45	18.45	6.00	.98	3.33	4.69
3/4 X 12	3,000	5.34	0.75	36.85	24.85	12.00	.98	3.33	4.69

Turnbuckles DIN 1480 Hook/Eye
Galvanized

Material: S235JR (formerly St37)
Execution: Drop forged



Article-No.	b	d1	d2	d3	l	l1	l2	m	Adjusting range min.-max.	Tension path	Weight per 100 pcs.	Units per bag
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
4000006V	55	M6	9	20	70	110	77	8	147 - 233	86	9,5	10
4000008V	57	M8	10	22	74	110	85	10	157 - 239	80	16,5	10
4000010V	68	M10	14	31	90	125	106	12	196 - 285	89	29,0	10
4000012V	70	M12	16	35	94	125	117	15	211 - 294	83	43,0	10
4000014V	75	M14	18	47	104	140	124	19	228 - 318	90	62,0	10
4000016V	88	M16	22	47	126	170	144	19	270 - 386	116	92,0	10
4000020V	105	M20	24	52	142	200	170	20	312 - 444	132	163,0	5
4000022V	105	M22	28	60	142	220	200	26	342 - 488	146	220,0	1
4000024V	135	M24	28	65	179	255	215	26	394 - 571	177	300,0	1
4000030V	135	M30	31	71	188	255	240	31	428 - 593	165	460,0	1
4000036V	160	M36	38	94	230	295	275	44	505 - 690	185	768,0	1



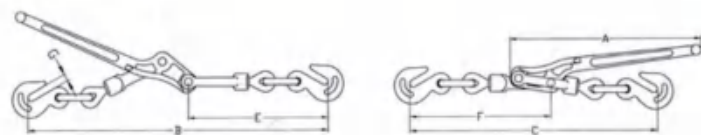
670 Binder Chains Gold Chromate

Size	ASTM 80			NACM 96			Pcs Per Drum
	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	
5/16x20'	23.1	4,700	18,800	22.0	4,700	18,800	25
5/16x25'	28.6	4,700	18,800	26.4	4,700	18,800	20
3/8x14'	23.1	6,600	26,400	22.0	6,600	26,400	25
3/8x16'	26.4	6,600	26,400	25.3	6,600	26,400	25
3/8x20'	33.0	6,600	26,400	31.9	6,600	26,400	20
3/8x25'	40.7	6,600	26,400	39.6	6,600	26,400	20

643 Binder Chains Self Colored

Size	ASTM 80			NACM 96			Pcs Per Drum
	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	
5/16x20'	23.1	3,200	11,600	20.9	3,900	11,600	25
5/16x25'	28.6	3,200	11,600	26.4	3,900	11,600	20
3/8x14'	23.1	4,450	16,200	22.0	5,400	16,200	25
3/8x16'	26.4	4,450	16,200	25.3	5,400	16,200	25
3/8x20'	33.0	4,450	16,200	29.7	5,400	16,200	20
3/8x25'	40.7	4,450	16,200	38.5	5,400	16,200	20





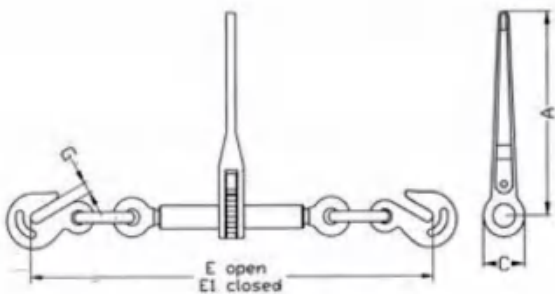
Forged Lever Load Binders Painted

Size	Working Load Limit (lbs)	Maximum Breaking Limit (lbs)	Weight (lbs)	Dimensions (in)					
				A	B	C	E	F	G
1/4	3,150	9,100	3.63	12.05	17.32	14.37	8.46	8.23	0.39
5/16 - 3/8	5,400	19,000	7.93	15.75	23.90	19.80	11.30	11.22	0.50
5/16 - 3/8	6,600	26,400	8.15	15.75	24.49	20.39	11.60	11.52	0.50
3/8 - 1/2	9,200	33,000	12.56	17.36	24.49	27.36	12.80	12.76	0.50



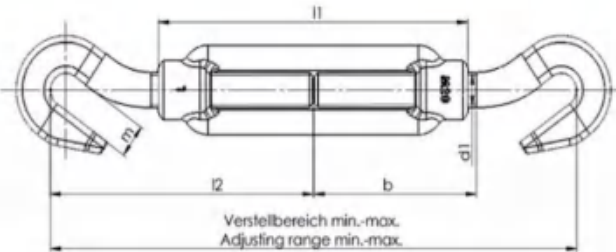
Forged Ratchet Load Binders Painted

Size	Working Load Limit (lbs)	Maximum Breaking Limit (lbs)	Weight (lbs)	Dimensions (in)				
				A	C	E	E1	G
1/4	3,150	9,100	3.68	8.27	1.65	17.52	22.64	0.39
5/16 - 3/8	6,600	26,400	10.56	13.98	2.56	22.95	29.29	0.50
5/16 - 3/8	7,100	26,400	10.56	13.98	2.56	23.54	29.88	0.50
5/16 - 3/8	8,800	26,400	10.95	13.98	2.56	23.54	29.88	0.50
3/8 - 1/2	9,200	33,000	11.24	13.98	2.56	23.74	30.24	0.65
3/8 - 1/2	12,000	45,000	11.69	13.98	2.56	24.45	30.95	0.65
3/8 - 1/2	15,000	45,000	11.69	13.98	2.56	24.45	30.95	0.65
1/2 - 5/8	18,100	54,300	15.83	13.98	2.56	27.17	33.86	0.73



Turnbuckles DIN 1480 Hook/Hook Galvanized

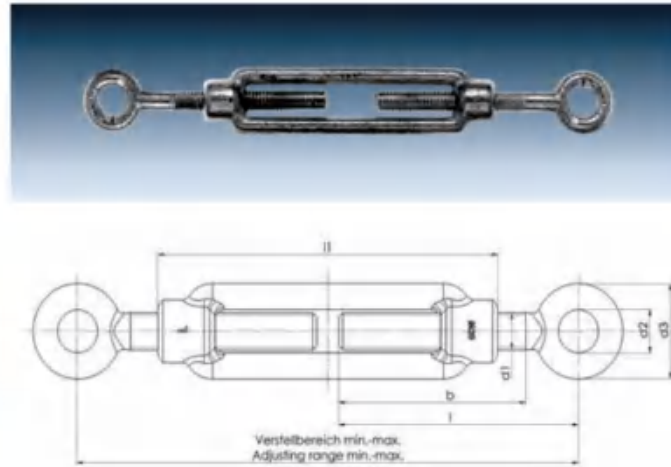
Material: S235JR (formerly St37)
Execution: Drop forged



Article-No.	b	d1	l1	l2	m	Adjusting range min.-max.	Tension path	Weight per 100 pcs.	Units per bag
	[mm]	[mm]	[mm]	[mm]	[mm]				
4200006V	55	M6	110	77	8	154 - 240	86	9,5	10
4200008V	57	M8	110	85	10	170 - 250	80	17	10
4200010V	68	M10	125	106	12	212 - 301	89	30	10
4200012V	70	M12	125	117	15	234 - 317	83	44	10
4200014V	75	M14	140	124	19	248 - 338	90	67	10
4200016V	88	M16	170	144	19	288 - 404	116	95	10
4200020V	105	M20	200	170	20	340 - 472	132	175	5
4200022V	105	M22	220	200	26	400 - 546	146	240	1
4200024V	135	M24	255	215	26	430 - 607	177	322	1
4200030V	135	M30	255	240	31	480 - 645	165	488	1
4200036V	160	M36	295	275	44	550 - 735	185	827	1

Turnbuckles DIN 1480 Eye/Eye Galvanized

Material: Steel S235JR (formerly St37)
Execution: Drop forged



Article-No.	b	d1	d2	d3	l	l1	Adjusting range min.-max.	Tension path	Weight per 100 pcs.	Units per bag
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
4100006V	55	M6	9	20	70	110	140 - 226	86	9,0	10
4100008V	57	M8	10	22	74	110	148 - 228	80	15,5	10
4100010V	68	M10	14	31	90	125	180 - 269	89	27,0	10
4100012V	70	M12	16	35	94	125	188 - 271	83	41,0	10
4100014V	75	M14	18	47	104	140	208 - 298	90	60,0	10
4100016V	88	M16	22	47	126	170	252 - 368	116	100,0	10
4100020V	105	M20	24	52	142	200	284 - 416	132	154,0	5
4100022V	105	M22	28	60	142	220	284 - 430	146	200,0	1
4100024V	135	M24	28	65	179	255	358 - 535	177	270,0	1
4100030V	135	M30	31	71	188	255	376 - 541	165	435,0	1
4100036V	160	M36	38	94	230	295	460 - 645	185	725,0	1

Welded Chain

G70 Transport Chain - NACM

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Drum	Approx Weight per 100 ft (lbs)
1/4	3,150	12,600	0.38	1.24	800	66
5/16	4,700	18,800	0.44	1.29	550	86
3/8	6,600	26,400	0.55	1.38	400	142
1/2	11,300	45,200	0.72	1.79	200	242

Not Designed for Overhead Lifting

• Yellow Zinc
Dichromate Finish

G80 Alloy Chain

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Maximum Inside Width (in)	Maximum Inside Length (in)	Minimum Weight per 100 ft (lbs)
9/32	3,500	14,000	0.386	0.827	77
5/16	4,500	18,000	0.437	0.945	100
3/8	7,100	28,400	0.555	1.181	155
1/2	12,000	48,000	0.740	1.535	260
5/8	18,100	72,400	0.909	1.900	384

Designed for Overhead Lifting

• Black Finish

G100 Alloy Chain

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Maximum Inside Width (in)	Maximum Inside Length (in)	Minimum Weight per 100 ft (lbs)
9/32	4,300	17,200	0.382	0.827	79
5/16	5,700	22,800	0.437	0.945	100
3/8	8,800	35,200	0.531	1.181	165
1/2	15,000	60,000	0.709	1.535	272
5/8	22,600	90,400	0.878	1.900	404

Designed for Overhead Lifting

• Powder Coated Green

Welded Chain

G30 Proof Coil Chain - NACM

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Drum	Approx Weight per 100 ft (lbs)
1/8	400	1,600	0.25	0.94	2,500	20
3/16	800	3,200	0.30	0.98	1,600	40
1/4	1,300	5,200	0.38	1.24	800	66
5/16	1,900	7,600	0.44	1.29	550	86
3/8	2,650	10,600	0.55	1.38	400	142
1/2	4,500	18,000	0.72	1.79	200	242
5/8	6,900	27,600	0.79	2.20	150	357
3/4	10,600	42,400	0.98	2.76	100	560
7/8	12,800	51,200	1.08	3.03	80	675
1	17,900	71,600	1.25	3.58	60	924

- Self Colored
- Zinc Plated
- Hot Dipped Galvanized



Not Designed for Overhead Lifting

G30 Proof Coil Chain - NACM Zinc Plated Pails

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Pail	Approx Weight per Pail (lbs)
1/8	400	1,600	0.25	0.94	500	103
3/16	800	3,200	0.30	0.98	250	105
1/4	1,300	5,200	0.38	1.24	141	92
5/16	1,900	7,600	0.44	1.29	92	80
3/8	2,650	10,600	0.55	1.38	63	90

PAILS



Not Designed for Overhead Lifting

G43 High Test Chain - NACM

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Drum	Approx Weight per 100 ft (lbs)
1/4	2,600	7,800	0.38	1.24	800	66
5/16	3,900	11,700	0.44	1.29	550	86
3/8	5,400	16,200	0.55	1.38	400	142
1/2	9,200	27,600	0.72	1.79	200	242
5/8	13,000	39,000	0.79	2.20	150	357
3/4	20,200	60,600	0.98	2.76	100	560
7/8	24,500	73,500	1.08	3.03	80	675

- Self Colored
- Hot Dipped Galvanized

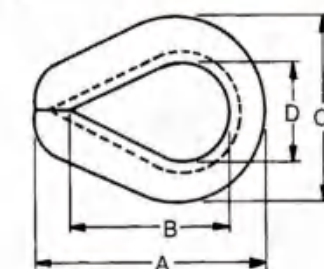


Not Designed for Overhead Lifting

Wire Rope Thimbles

Heavy Duty Thimbles Hot Dipped Galvanized

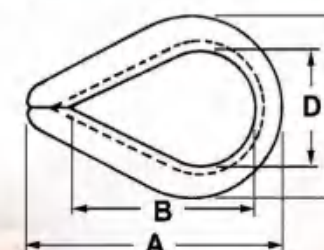
Rope Diameter	Weight Each (lbs)	Dimensions			
		A	B	C	D
1/4	.07	2.19	1.62	1.50	.88
5/16	.12	2.50	1.88	1.81	1.06
3/8	.22	2.88	2.12	2.12	1.12
7/16	.35	3.25	2.38	2.38	1.25
1/2 - 9/16	.51	3.62	2.75	2.75	1.50
5/8	.76	4.25	3.25	3.12	1.75
3/4	1.58	5.00	3.75	3.81	2.00
7/8	1.77	5.50	4.25	4.25	2.25
1"	3.13	6.12	4.50	4.75	2.50
1-1/8 - 1-1/4	4.00	7.00	5.12	5.88	2.88
1-1/4 - 1-3/8	8.86	9.08	6.50	6.81	3.50
1-3/8 - 1-1/2	12.94	9.00	6.25	7.12	3.50
1-5/8	17.00	11.25	8.00	8.12	4.00
1-3/4	17.75	12.19	9.00	8.50	4.50
1-7/8 - 2"	27.75	15.12	12.00	10.38	6.00
2-1/4	39.50	17.50	14.00	11.88	7.00
2-1/2	60.50	18.40	16.75	11.78	8.00



Meets Federal Spec FF-T-276b, Type III

Standard Thimbles Hot Dipped Galvanized & Zinc Plated

Rope Diameter (in)	Weight per 100 pcs (lbs)	Dimensions			
		A	B	C	D
1/8	3.50	1.94	1.31	1.06	.69
3/16	3.50	1.94	1.31	1.06	.69
1/4	3.50	1.94	1.31	1.06	.69
5/16	4.00	2.13	1.50	1.25	.81
3/8	6.70	2.38	1.63	1.47	.94
7/16	11.40	2.47	1.71	1.62	1.03
1/2	12.50	2.75	1.88	1.75	1.13
5/8	34.50	3.50	2.25	2.38	1.38
3/4	47.10	3.75	2.50	2.69	1.63
7/8	84.60	5.00	3.50	3.19	1.88
1	97.50	5.69	4.25	3.75	2.50
1-1/8 - 1-1/4	175.00	6.25	4.50	4.31	2.75

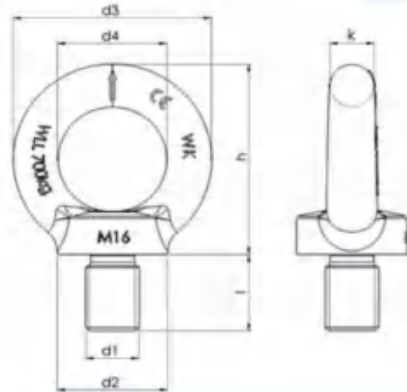


Meets Federal Spec FF-T-276b, Type II

Eye bolts DIN 580 – C15E

Self coloured

Material: C15E
 Marking: WK / size / WLL / C15E / CE / charge
 Certificates: Optional with inspection certificate acc. to DIN EN 10204, 3.1
 Operable temperature range: -20 °C up to +200 °C
 Application: As part of lifting devices and as load handling attachment



Artikel-Nr.	WLL in geradem Zug	d1	d2	d3	d4	h	k	l	Gewicht per 100 Stk.	Stück pro VPE
Article-No.	WLL in straight pull								Weight per 100 pcs.	Units per bag
	[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
66100060	0,075	M6	20	36	20	36	8	13,0	5	50
66100080	0,14	M8	20	36	20	36	8	13,0	6	50
66100100	0,23	M10	25	45	25	45	10	17,0	11	50
66100120	0,34	M12	30	54	30	53	12	20,5	18	25
66100140	0,49	M14	35	63	35	62	14	27,0	27	25
66100160	0,70	M16	35	63	35	62	14	27,0	28	25
66100180	0,85	M18	40	72	40	71	16	30,0	44	10
66100200	1,20	M20	40	72	40	71	16	30,0	45	10
66100220	1,40	M22	50	90	50	90	20	36,0	73	10
66100240	1,80	M24	50	90	50	90	20	36,0	74	1
66100270	2,10	M27	55	96	50	97	20	45,0	162	1
66100300	3,20	M30	65	108	60	109	24	45,0	166	1
66100330	3,20	M33	75	126	70	128	28	54,0	260	1
66100360	4,60	M36	75	126	70	128	28	54,0	265	1
66100390	4,60	M39	85	144	80	147	32	63,0	378	1
66100420	6,30	M42	85	144	80	147	32	63,0	403	1
66100450	6,30	M45	100	166	90	168	38	68,0	624	1
66100480	8,60	M48	100	166	90	168	38	68,0	638	1
66100520	8,60	M52	110	184	100	187	42	78,0	857	1
66100560	11,50	M56	110	184	100	187	42	78,0	880	1
66100640	16,00	M64	120	206	110	208	48	90,0	1.240	1
66100720	20,00	M72	150	260	140	260	60	100,0	2.330	1
66100800	28,00	M80	170	296	160	298	68	112,0	3.420	1
66101000	40,00	M100	190	330	180	330	75	130,0	4.910	1

Chain Links

- Not For Overhead Lifting
- Not For Securing Loads

Quick Links Electro Galvanized

Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)		
			Opening	Inside Width	Inside Length
1/8	220	2	0.188	0.375	1.125
3/16	520	4	0.250	0.500	1.500
1/4	750	8	0.281	0.563	1.750
5/16	1,540	16	0.375	0.688	2.313
3/8	1,800	24	0.438	0.750	2.438
1/2	3,300	56	0.625	0.938	3.133

RoHS compliant Quick Links available

Spring Snap Links Electro Galvanized

Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)		
			Opening	Max Inside Width	Inside Length
1/8	200	2	.24	.45	1.27
3/16	220	4	.28	.60	1.61
1/4	260	6	.32	.71	1.94
5/16	500	16	.40	.92	2.56
3/8	770	32	.58	1.20	3.19
1/2	1,200	60	.70	1.55	4.50

RoHS compliant Snap Links available

Lap (Repair) Links Electro Galvanized

Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)	
			Inside Width	Inside Length
1/8	190	1.2	.30	.750
3/16	240	3.5	.50	1.00
1/4	400	6	.50	1.25
5/16	950	10	.75	1.50
3/8	1,250	22	.75	1.63
1/2	1,525	54	1.00	2.50

Cold Shuts Electro Galvanized

Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)	
			Inside Width	Inside Length
3/16	660	4.5	.34	0.93
1/4	880	8.0	.38	1.00
5/16	1,760	17	.44	1.20
3/8	2,220	23	.50	1.30
1/2	3,300	51	.75	1.56

Choker Hooks
For Logging Use

Hook Size	Choker Rope Size (in)	Weight Each (lbs)
Micro-Midget	3/8 - 7/16	0.75
Midget	1/2 - 9/16	1.50
Dwarf	9/16 - 5/8	3.00
Bantam	5/8 - 3/4	4.00



Sliding Choker Hooks

Hook Size	Working Load Limit (lbs)	Weight Each (lbs)
3/8	2,500	1.00
1/2	3,800	1.40
5/8	5,800	2.70



Midget Winchline Hook - Sleeve Type

Size Wire Rope (in)	Weight Each (lbs)
1/2 - 9/16	2.08



Midget Winchline Hook - Ring Type

Size Wire Rope (in)	Weight Each (lbs)
1/2 - 9/16	2.66



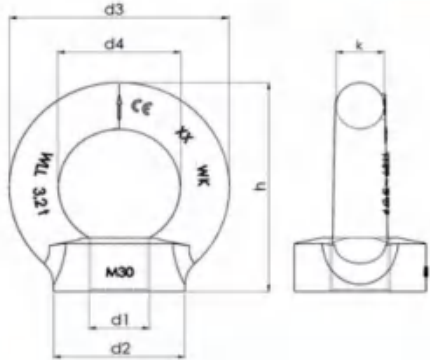
Trap Staples
Galvanized

Size (in)	Weight Each (lbs)
3/8 x 4	.22
3/8 x 5	.28
1/2 x 6	.80



Eye nuts DIN 582 - C15E
Self coloured

Material: C15E
Marking: WK / size / WLL / C15E / CE / charge
Certificates: Optional with inspection certificate acc. to DIN EN 10204, 3.1
Operable temperature range: -20 °C up to +200 °C
Application range: As part of lifting devices and as load handling attachment



Artikel-Nr.	WLL in geradem Zug	d1	d2	d3	d4	h	k	Gewicht per 100 Stk.	Stück pro VPE
Article-No.	WLL in straight pull							Weight per 100 pcs.	Units per bag
	[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
67100060	0,075	M6	20	36	20	36	8	5	50
67100080	0,14	M8	20	36	20	36	8	5	50
67100100	0,23	M10	25	45	25	45	10	9	50
67100120	0,34	M12	30	54	30	53	12	16	25
67100140	0,49	M14	35	63	35	62	14	24	25
67100160	0,70	M16	35	63	35	62	14	24	25
67100180	0,85	M18	40	72	40	71	16	37	10
67100200	1,20	M20	40	72	40	71	16	36	10
67100220	1,40	M22	50	90	50	90	20	73	10
67100240	1,80	M24	50	90	50	90	20	72	1
67100270	2,10	M27	65	108	60	97	22	134	1
67100300	3,20	M30	65	108	60	109	24	132	1
67100330	3,20	M33	75	126	70	128	28	211	1
67100360	4,60	M36	75	126	70	128	28	208	1
67100390	4,60	M39	85	144	80	147	32	315	1
67100420	6,30	M42	85	144	80	147	32	311	1
67100450	6,30	M45	100	166	90	168	38	508	1
67100480	8,60	M48	100	166	90	168	38	502	1
67100520	8,60	M52	110	184	100	187	42	679	1
67100560	11,50	M56	110	184	100	187	42	669	1
67100640	16,00	M64	120	206	110	208	48	930	1
67100720	20,00	M72	150	260	140	260	60	1.850	1
67100800	28,00	M80	170	296	160	298	68	2.730	1
67101000	40,00	M100	190	330	180	330	75	3.640	1

Eye Bolts

Ultimate Load is 5 Times the Working Load Limit.
Working Load Limit applies to straight, inline pulls only.

Shoulder Nut Eye Bolts Drop Forged, Hot Dipped Galvanized

Shank Diameter X Shank Length (in)	Thread Length (in)	Eye Dimensions (in)		Working Load Limit (lbs)	Approx Weight Per 100 (lbs)
		I.D.	O.D.		
1/4 X 2	1.50	.50	.88	650	6.60
1/4 X 4	2.50	.50	.88	650	9.10
5/16 X 2-1/4	1.50	.62	1.12	1,200	12.50
5/16 X 4-1/4	2.50	.62	1.12	1,200	18.80
3/8 X 2-1/2	1.50	.75	1.38	1,550	21.40
3/8 X 4-1/2	2.50	.75	1.38	1,550	25.30
1/2 X 3-1/4	1.50	1.00	1.75	2,600	42.60
1/2 X 6	3.00	1.00	1.75	2,600	56.80
5/8 X 4	2.00	1.25	2.25	5,200	68.60
5/8 X 6	3.00	1.25	2.25	5,200	102.40
3/4 X 4-1/2	2.00	1.50	2.75	7,200	144.50
3/4 X 6	3.00	1.50	2.75	7,200	167.50
7/8 X 5	2.50	1.75	3.25	10,600	225.00
1 X 6	3.00	2.00	3.75	13,300	366.30
1 X 9	4.00	2.00	3.75	13,300	422.50
1-1/4 X 8	4.00	2.50	4.50	21,000	650.00
1-1/4 X 12	4.00	2.50	4.50	21,000	795.00
1-1/2 X 15	6.00	3.00	5.50	24,000	1425.00

Machinery Eye Bolts Drop Forged, Self Colored

Shank Diameter X Shank Length (in)	Trade Number	Thread Length (in)	Eye Dimensions (in)		Working Load Limit (lbs)	Approx Weight Per 100 (lbs)
			I.D.	O.D.		
1/4 X 1	21	1.00	.75	1.13	650	5
5/16 X 1-1/8	22	1.12	.88	1.38	1,200	9
3/8 X 1-1/4	23	1.25	1.00	1.62	1,550	15
7/16 X 1-3/8	24	1.37	1.09	1.84	1,800	21
1/2 X 1-1/2	25	1.50	1.19	1.95	2,600	28
9/16 X 1-5/8	26	1.62	1.28	2.28	3,200	35
5/8 X 1-3/4	27	1.75	1.38	2.38	5,200	55
3/4 X 2	28	2.00	1.50	2.76	7,200	96
7/8 X 2-1/4	29	2.25	1.75	3.25	10,600	154
1 X 2-1/2	30	2.50	2.00	3.76	13,300	218
1-1/4 X 3	31	3.00	2.50	4.50	21,000	380
1-1/2 X 3-1/2	32	3.50	2.50	5.18	21,000	700

Snatch Blocks

Drop Side w/Swivel Hook

Part #	Size (in)	WLL (tons)	Wire Size	Weight (lbs)
BLK3HK	3"	2	3/8"	5
BLK4.1/2HK	4-1/2"	4	1/2"	12
BLK6HK	6"	8	3/4"	27
BLK8HK	8"	8	5/8 - 3/4"	33
BLK10HK	10"	8	5/8 - 3/4"	41
BLK10HK15	10"	15	7/8"	73
BLK16HK	16"	15	3/4 - 7/8"	130

Bronze Bushed with Pressure Grease Fittings

Drop Side w/Swivel Shackle

Part #	Size (in)	WLL (tons)	Wire Size	Weight (lbs)
BLK3SH	3"	2	5/16 - 3/8"	5
BLK4.1/2SH	4-1/2"	4	3/8 - 1/2"	12
BLK6SH	6"	8	5/8 - 3/4"	28
BLK8SH	8"	8	5/8 - 3/4"	34
BLK10SH	10"	8	5/8 - 3/4"	42
BLK10SH15	10"	15	7/8"	74
BLK16SH	16"	15	3/4 - 7/8"	135

Bronze Bushed with Pressure Grease Fittings

Yarding Block w/Bail

Part #	Size (in)	WLL (tons)	Wire Size (in)	Weight (lbs)
BLK3ORG	3"	1-1/2	1/4-3/8	2.75
BLK4ORG	4"	3	1/4-7/16	4.25
BLK5ORG	5"	4-1/2	3/8-1/2	7.25
BLK6ORG	6"	6	1/2-3/4	12.25
BLK8ORG	8"	8	3/4-1"	27.50

Steel Roller Bearings with Pressure Grease Fittings

Yarding Block w/Swivel Eye

Part #	Size (in)	WLL (tons)	Wire Size	Weight (lbs)
BLK3SWEYE	3"	1-1/2	1/4-3/8	2.75
BLK4SWEYE	4"	3	1/4-7/16	4.25
BLK5SWEYE	5"	4-1/2	3/8-1/2	7.25
BLK6SWEYE	6"	6	1/2-3/4	12.25
BLK8SWEYE	8"	8	3/4-1"	27.50

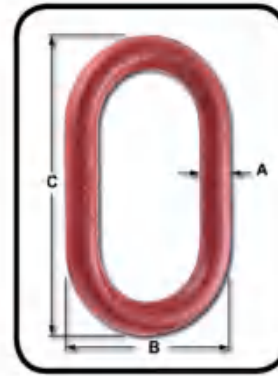
Steel Roller Bearings with Pressure Grease Fittings

Forged Weldless Links

- Drop Forged Steel
- Heat Treated
- 5:1 Safety Factor

Oblong Master Links Alloy Steel

Size "A" (in)	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in.)	
			B	C
1/2	7,000	.82	2.50	5.00
5/8	9,000	1.52	3.00	6.00
3/4	12,300	2.07	2.75	5.50
7/8	15,000	3.50	3.75	6.38
1	24,360	4.85	3.50	7.00
1-1/4	36,200	9.57	4.38	8.75
1-1/2	54,300	16.22	5.25	10.50
1-3/4	84,900	25.22	6.00	12.00
2	102,600	37.04	7.00	14.00



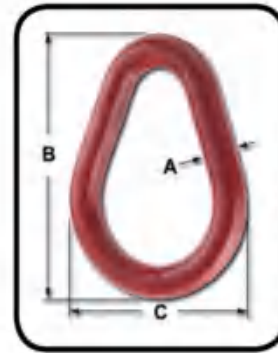
Regular Nut Eye Bolts Drop Forged, Hot Dipped Galvanized

Shank Diameter X Shank Length (in)	Thread Length (in)	Eye Dimensions (in)		Working Load Limit (lbs)	Approx Weight Per 100 (lbs)
		I.D.	O.D.		
1/4 X 2	1.50	.50	1.00	650	6.00
1/4 X 4	2.50	.50	1.00	650	13.50
5/16 X 2-1/4	1.50	.62	1.25	1,200	18.75
5/16 X 4-1/4	2.50	.62	1.25	1,200	25.00
3/8 X 2-1/2	1.50	.75	1.50	1,550	24.33
3/8 X 4-1/2	2.50	.75	1.50	1,550	37.50
3/8 X 6	2.50	.75	1.50	1,550	43.75
1/2 X 3-1/4	1.50	1.00	2.00	2,600	50.00
1/2 X 6	3.00	1.00	2.00	2,600	62.50
1/2 X 8	3.00	1.00	2.00	2,600	75.00
1/2 X 10	3.00	1.00	2.00	2,600	88.00
1/2 X 12	3.00	1.00	2.00	2,600	100.00
5/8 X 4	2.00	1.25	2.50	5,200	101.25
5/8 X 6	3.00	1.25	2.50	5,200	120.00
5/8 X 8	3.00	1.25	2.50	5,200	131.00
5/8 X 10	3.00	1.25	2.50	5,200	162.50
5/8 X 12	4.00	1.25	2.50	5,200	175.00
3/4 X 4-1/2	2.00	1.50	3.00	7,200	168.60
3/4 X 6	3.00	1.50	3.00	7,200	184.50
3/4 X 8	3.00	1.50	3.00	7,200	200.00
3/4 X 10	3.00	1.50	3.00	7,200	237.50
3/4 X 12	4.00	1.50	3.00	7,200	251.94
3/4 X 15	5.00	1.50	3.00	7,200	300.00
7/8 X 5	2.50	1.75	3.50	10,600	275.00
7/8 X 8	4.00	1.75	3.50	10,600	325.00
7/8 X 12	4.00	1.75	3.50	10,600	400.00
1 X 6	3.00	2.00	4.00	13,300	425.00
1 X 9	4.00	2.00	4.00	13,300	452.00
1 X 12	4.00	2.00	4.00	13,300	550.00
1 X 18	7.00	2.00	4.00	13,300	650.00

Ultimate Load is 5
Times the Working
Load Limit.
Working Load Limit
applies to straight,
inline pulls only.

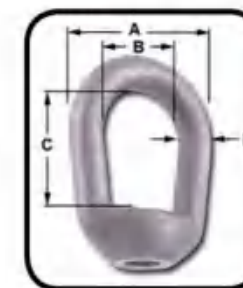
Pear Shaped Sling Links Carbon & Alloy Steel

Size "A" (in)	WLL Carbon (lbs)	WLL Alloy (lbs)	Weight Each (lbs)	Dimensions (in.)	
				B	C
3/8	1,800	---	.23	2.25	1.50
1/2	2,900	7,000	.55	3.00	2.00
5/8	4,200	9,000	1.06	3.75	2.50
3/4	6,000	12,300	1.88	4.50	3.00
7/8	8,300	14,000	2.75	5.25	3.50
1	10,800	24,300	4.35	6.00	4.00
1-1/4	16,750	36,000	7.60	7.75	5.00
1-3/8	20,500	---	11.30	8.25	5.50



Round Rings Carbon Steel

Size "A" (in)	Working Load Limit (lbs)	Weight Each (lbs)	Inside Diameter (in)
5/8 x 3	3,300	0.95	3.00
3/4 x 4	5,600	1.68	4.00
7/8 x 4	7,200	2.72	4.00
7/8 x 5-1/2	5,600	3.47	5.50
1 x 4	10,800	3.69	4.00
1-1/8 x 6	10,400	6.60	6.00
1-1/4 x 5	17,000	6.82	5.00



Eye Nuts Drop Forged, HD Galvanized

Trade Size	Tap Size	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)			
				A	B	C	D
1	1/4 - 20	520	.09	1.25	.75	1.00	.25
2	3/8 - 16	1,250	.17	1.62	1.00	1.20	.31
3A	1/2 - 13	2,250	.28	2.00	1.25	1.44	.38
4	5/8 - 11	3,600	.60	2.50	1.50	1.92	.50
5	3/4 - 10	5,200	1.00	3.00	1.75	2.28	.63
6	7/8 - 9	7,200	1.65	3.50	2.00	2.50	.75
7	1 - 8	10,000	2.69	4.00	2.25	2.92	.88
8	1-1/4 - 7	15,500	3.87	4.50	2.50	3.35	1.00
9	1-3/8 - 6	18,500	5.00	5.00	2.75	4.00	1.13

Ultimate Load is 5
Times the Working
Load Limit.
Working Load Limit
applies to straight,
inline pulls only.

Chain Hooks

Clevis Grab Hooks

Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	2,600	3,600	.40
5/16	3,900	5,400	.79
3/8	5,400	7,500	1.00
7/16	7,200	10,000	1.50
1/2	9,200	12,750	2.10
5/8	12,750	19,000	4.20



Clevis Slip Hooks

Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	1,950	2,750	.43
5/16	2,875	4,300	.72
3/8	4,000	5,250	1.03
7/16	5,000	7,000	1.64
1/2	6,500	9,000	2.45
5/8	9,250	13,500	4.70



Eye Grab Hooks

Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	2,600	3,600	.40
5/16	3,900	5,400	.75
3/8	5,400	7,500	1.20
7/16	7,200	10,000	1.50
1/2	9,200	12,750	2.10



Eye Slips Hooks

Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	1,950	2,750	.43
5/16	2,875	4,300	.72
3/8	4,000	5,250	1.03
7/16	5,000	7,000	1.64
1/2	6,500	9,000	2.45

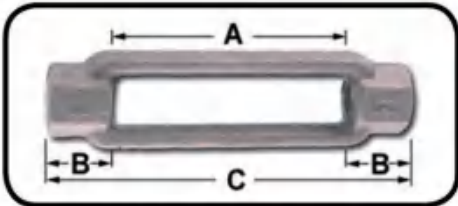


Bodies, Stub Ends & Links

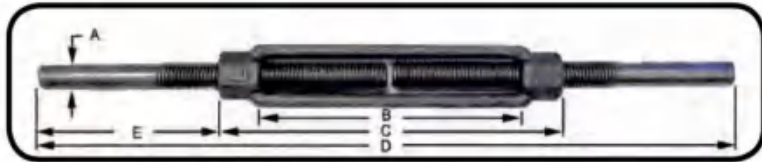
• Drop Forged Steel • Heat Treated • 5:1 Safety Factor

Turnbuckle Bodies Self Colored and Galvanized

Thread Dia X Take Up (in)	Working Load Limit (lbs.)	Weight Each (lbs.)	Dimensions (in)		
			A	B	C
3/8 X 6	1,200	.29	6	5/8	7-3/8
1/2 X 6	2,200	.60	6	1	7-7/16
5/8 X 6	3,500	.90	6	1-1/16	8-3/16
3/4 X 6	5,200	1.30	6	1-5/32	8-7/16
7/8 X 6	7,200	1.79	6	1-5/16	8-3/4
1 X 6	10,000	2.10	6	1-3/8	8-15/16
1-1/8 X 6	15,000	2.78	6	1-1/2	9-7/32
1-1/4 X 6	15,200	3.43	6	1-11/16	9-11/16
1-1/2 X 6	21,000	6.16	6	1-7/8	10



Meets Federal Spec FF-T-791b,
Type 1, Form 1, Class 2



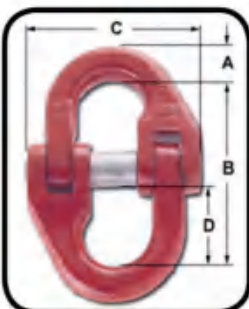
Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 3

Stub End Turnbuckles Self Colored

Shank Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)				
			A	B	C	D	E
3/8 X 6	1,200	.75	.38	6.00	7.13	16.00	4.44
1/2 X 6	2,200	1.25	.50	6.00	7.50	16.00	4.25
5/8 X 6	3,500	2.11	.63	6.00	7.88	16.00	4.06
3/4 X 6	5,200	3.27	.75	6.00	8.25	17.00	4.38
7/8 X 6	7,200	4.78	.88	6.00	8.63	18.00	4.69
1 X 6	10,000	6.36	1.00	6.00	9.00	19.00	5.00
1-1/4 X 6	15,200	14.00	1.25	6.00	9.13	20.00	5.44

G-80 Alloy Coupling Links Painted

Chain Size (in)	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in.)			
			A	B	C	D
9/32 (1/4)	.29	3,500	.36	1.88	1.90	.66
5/16	.67	4,500	.36	2.18	2.07	.69
3/8	.76	7,100	.45	2.53	2.47	.88
1/2	1.06	12,000	.64	3.44	3.31	1.13
5/8	2.43	18,100	.75	4.13	3.90	1.41
3/4	4.20	28,300	.93	4.92	4.62	1.63



Forged Swivels

Eye & Eye Swivels Drop Forged, Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d
Type VII, Class 2

Size	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in)				
			A	B	C	D	E
1/4	.21	850	1-1/4	11/16	3/4	1-1/16	2-15/16
5/16	.39	1,250	1-5/8	13/16	1	1-1/4	3-9/16
3/8	.69	2,250	2	15/16	1-1/4	1-1/2	4-5/16
1/2	1.43	3,600	2-1/2	1-5/16	1-1/2	2	5-7/16
5/8	2.50	5,200	3	1-9/16	1-3/4	2-3/8	6-9/16
3/4	4.13	7,200	3-1/2	1-3/4	2	2-5/8	7-3/16
7/8	4.25	10,000	4	2-1/16	2-1/4	3-1/16	8-3/8
1	9.00	12,500	4-1/4	2-5/16	2-1/2	3-1/2	9-5/8
1-1/4	16.76	18,000	5-5/8	2-11/16	3-1/8	3-11/16	11-1/8
1-1/2	45.79	45,200	7	4-3/16	4	4-3/16	17-1/8

Ultimate Load is 5 Times the Working Load Limit

- Swivels are positioning devices and are not intended to rotate under load.

Jaw & Eye Swivels Drop Forged, Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d
Type VII, Class 3

Size	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in)					
			A	B	C	D	E	F
1/4	.25	850	1-1/4	11/16	3/4	7/8	2-5/8	15/32
5/16	.39	1,250	1-5/8	13/16	1	7/8	2-15/16	1/2
3/8	.70	2,250	2	15/16	1-1/4	1-1/16	3-5/8	5/8
1/2	1.43	3,600	2-1/2	1-5/16	1-1/2	1-5/16	4-1/2	3/4
5/8	2.50	5,200	3	1-9/16	1-3/4	1-1/2	5-5/16	15/16
3/4	4.13	7,200	3-1/2	1-3/4	2	1-3/4	6-1/16	1-1/8
7/8	5.75	10,000	4	2-1/16	2-1/4	2-1/16	7	1-3/16
1	10.25	12,500	4-1/4	2-5/16	2-1/2	2-13/16	8-9/16	1-3/4
1-1/4	15.75	18,000	5-5/8	2-11/16	3-1/8	2-13/16	9-7/16	2-1/16
1-1/2	54.75	45,200	7	4-3/16	4	4-7/16	14-3/4	2-7/8

Ultimate Load is 5 Times the Working Load Limit

Overhead Lifting Self-Locking Hooks

G-80 Swivel Self Locking Hooks

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKSWVL7-8MMG80	5/16	4,400	2.75
HKSWVL10MMG80	3/8	6,930	4.40
HKSWVL13MMG80	1/2	11,660	8.80
HKSWVL16MMG80	5/8	17,600	17.16



G-100 Swivel Self Locking Hooks

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKSWVL7-8MMG100	5/16	5,500	2.75
HKSWVL10MMG100	3/8	8,800	4.40
HKSWVL13MMG100	1/2	14,740	8.80
HKSWVL16MMG100	5/8	22,200	17.16

- G-100 Hooks meet European Standard DIN EN818



G-100 Clevis Self Locking Hooks

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKCSL7-8MMG100	5/16	5,500	1.98
HKCSL10MMG100	3/8	8,800	3.52
HKCSL13MMG100	1/2	14,740	6.38
HKCSL16MMG100	5/8	22,200	12.76

- G-100 Hooks meet European Standard DIN EN818



Hoist Hooks

Eye Hoist Hooks Painted

Size Alloy (tons)	Size Carbon (tons)	Eye Diameter (in)	Throat Opening w/latch (in)	Weight Each (lbs)
1	3/4	3/4	7/8	.50
1-1/2	1	29/32	31/32	.75
2	1-1/2	1-1/8	1	1.00
3	2	1-1/4	1-1/8	1.70
5	3	1-9/16	1-11/32	3.60
7	5	2	1-11/16	7.50
11	7-1/2	2-7/16	2-1/16	13.00
15	10	2-27/32	2-1/4	18.50
22	15	3-1/2	3	33.80

Latch Kits Available and Sold Separately

Swivel Hoist Hooks Painted

Size Alloy (tons)	Size Carbon (tons)	Inside Bail Width (in)	Throat Opening w/latch (in)	Weight Each (lbs)
1	3/4	1-1/4	7/8	.78
1-1/2	1	1-1/2	31/32	1.32
2	1-1/2	1-3/4	1	2.02
3	2	1-3/4	1-1/8	2.57
5	3	2	1-11/32	4.89
7	5	2-1/2	1-11/16	10.29
11	7-1/2	2-3/4	2-1/16	18.62
15	10	3-1/8	2-1/4	25.43
22	15	4	3	44.00

Sorting Hooks Painted

Working Load Limit at tip of Hook (tons)	Working Load Limit at bottom of Hook (tons)	Weight Each (lbs)	Dimensions (inches)			
			I.D. of Eye	Overall Length	Opening at top of Hook	Radius at bottom of Hook
2	7-1/2	6.25	1.38	9.7	2.8	.625



G-100 Clevis Grab Hooks w/Cradle

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKCG1/4G100C	1/4	3,080	.484
HKCG5/16G100C	5/16	5,500	.748
HKCG3/8G100C	3/8	8,800	1.80
HKCG1/2G100C	1/2	14,740	3.85

• G-100 Hooks meet European Standard DIN EN818

G-100 Clevis Slip Hooks w/Latch

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKCS1/4G100C	1/4	3,080	.726
HKCS5/16G100C	5/16	5,500	1.54
HKCS3/8G100C	3/8	8,800	2.86
HKCS1/2G100C	1/2	14,740	5.06

• G-100 Hooks meet European Standard DIN EN818

G-100 Alloy Coupling Links

Chain Size (in)	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in.)			
			A	B	C	D
9/32 (1/4)	.29	3,080	.36	1.88	1.90	.66
5/16	.67	5,500	.36	2.18	2.07	.69
3/8	.76	8,800	.45	2.53	2.47	.88
1/2	1.06	14,740	.64	3.44	3.31	1.13
5/8	2.43	22,000	.75	4.13	3.90	1.41
3/4	4.20	73,920	.93	4.92	4.62	1.63

• G-100 Coupling Links meet European Standard DIN EN818