

CHAINS



Grade 30 Chain



- Design factor 3:1
- Working Load Limits and weights for 'exact size' chains*
- Available in self-coloured, eletro or hot dip galvanized, or zinc plated finish

Chain Size	WLL (lbs)	Weight (lbs/100')	Half drums		Vanguard Code (self-colour)	Full drums		Vanguard Code (self-colour)
			feet	lbs		feet	lbs	
1/8	375	19	-	-	3802 00081	1,000	190	3802 0008
3/16	590	29	-	-	3802 00121	750	225	3802 0012
1/4	1,040	50	350	182	3802 00161	700	364	3802 0016
5/16	1,650	73	250	215	3802 00201	500	430	3802 0020
3/8	2,340	123	175	224	3802 00241	350	448	3802 0024
1/2	4,180	215	100	229	3802 00321	200	458	3802 0032
5/8	6,750	321	-	-	3802 00401	150	479	3802 0040

Vanguard Prefix Codes for H. Galvanized finish - 3803, for Zinc Plated finish - 3804 ...

Grade 30 Exact Size

Chain Size	Material Diameter		Maximum WLL		Inside Length (nominal)	Inside Width (nominal)
	inch	mm	lbs	kg	inch	inch
1/8	0.125	4.0	375	170	0.940	0.250
3/16	0.190	4.8	600	270	0.945	0.350
1/4	0.250	6.3	1,050	475	1.300	0.430
5/16	0.300	7.6	1,655	750	1.380	0.470
3/8	0.380	9.5	2,340	1,060	1.420	0.560
1/2	0.500	12.5	4,185	1,900	1.790	0.720
5/8	0.630	16.0	6,750	3,060	2.760	0.880



Grade 40 Chain

- Design factor 3:1 (in accordance with NACM specifications)

Chain Size	WLL (lbs)	Galvanized Short Link		Galvanized Regular Link	
		Vanguard Code	(lbs/100')	Vanguard Code	(lbs/100')
1/4	2,600	3809 0016	74	3809 00161	73
5/16	3,900	3809 0020	110	3809 00201	106
3/8	5,400	3809 0024	153	3809 00241	142

Warning:

NEVER EXCEED WORKING LOAD LIMITS!
DO NOT USE GRADE 30 or 40 CHAINS FOR OVERHEAD LIFTING APPLICATIONS



CHAINS

NACM Chain Specifications

Grade 30 PROOF COIL CHAIN

Chain Size		Material Diameter		WLL (maximum)		Proof Test (minimum)		Breaking Force (minimum)		Inside Length (maximum)		Inside Width (minimum)	
inch	mm	inch	mm	lbs	kg	lbs	kN	lbs	kN	inch	mm	inch	mm
1/8	4.0	0.156	4.0	400	180	800	3.6	1,600	7.20	0.94	23.90	0.25	6.40
3/16	5.5	0.217	5.5	800	365	1,600	7.2	3,200	14.40	0.98	24.80	0.30	7.70
1/4	7.0	0.276	7.0	1,300	580	2,600	11.6	5,200	23.20	1.24	31.50	0.38	9.80
5/16	8.0	0.331	8.4	1,900	860	3,800	16.9	7,600	33.80	1.29	32.80	0.44	11.20
3/8	10.0	0.394	10.0	2,650	1,200	5,300	23.6	10,600	47.20	1.38	35.00	0.55	14.00
7/16	11.9	0.488	11.9	3,700	1,680	7,400	32.9	14,800	65.80	1.64	41.60	0.65	16.60
1/2	13.0	0.512	13.0	4,500	2,030	9,000	40.0	18,000	80.00	1.79	45.50	0.72	18.20
5/8	16.0	0.630	16.0	6,900	3,130	13,800	61.3	27,600	122.60	2.20	56.00	0.79	20.00
3/4	20.0	0.787	20.0	10,600	4,800	21,200	94.3	42,400	188.60	2.76	70.00	0.98	25.00
7/8	22.0	0.866	22.0	12,800	5,810	25,600	114.1	51,200	228.20	3.03	77.00	1.08	27.50
1	26.0	1.020	26.0	17,900	8,140	35,800	159.1	71,600	318.20	3.58	90.90	1.25	31.70

Grade 43 HIGH TEST CHAIN

Chain Size		Material Diameter		WLL (maximum)		Proof Test (minimum)		Breaking Force (minimum)		Inside Length (maximum)		Inside Width (minimum)	
inch	mm	inch	mm	lbs	kg	lbs	kN	lbs	kN	inch	mm	inch	mm
1/4	7.0	0.276	7.0	2,600	1,180	3,900	17.3	7,800	34.60	1.24	31.50	0.38	9.80
5/16	8.7	0.343	8.7	3,900	1,770	5,850	26.0	11,700	52.00	1.29	32.80	0.44	11.20
3/8	10.0	0.406	10.3	5,400	2,450	8,100	36.0	16,200	72.00	1.38	35.00	0.55	14.00
7/16	11.9	0.468	11.9	7,200	3,270	10,800	48.0	21,600	96.00	1.64	41.60	0.65	16.60
1/2	13.0	0.531	13.5	9,200	4,170	13,800	61.3	27,600	122.60	1.79	45.50	0.72	18.20
5/8	16.0	0.630	16.0	13,000	5,910	19,500	86.5	39,000	173.00	2.20	56.00	0.79	20.00
3/4	20.0	0.787	20.0	20,200	9,180	30,300	134.7	60,600	269.40	2.76	70.00	0.98	25.00
7/8	22.0	0.866	22.0	24,500	11,140	36,750	163.3	73,500	326.60	3.03	77.00	1.08	27.50

Grade 70 TRANSPORT CHAIN

Chain Size		Material Diameter		WLL (maximum)		Proof Test (minimum)		Breaking Force (minimum)		Inside Length (maximum)		Inside Width (minimum)	
inch	mm	inch	mm	lbs	kg	lbs	kN	lbs	kN	inch	mm	inch	mm
1/4	7.0	0.281	7.0	3,150	1,430	6,300	28.0	12,600	56.00	1.24	31.50	0.38	9.80
5/16	8.7	0.343	8.7	4,700	2,130	9,400	41.8	18,800	83.60	1.29	32.80	0.44	11.20
3/8	10.0	0.406	10.3	6,600	2,990	13,200	58.7	26,400	117.40	1.38	35.00	0.55	14.00
7/16	11.9	0.468	11.9	9,000	3,970	17,500	77.8	35,000	155.40	1.64	41.60	0.65	16.60
1/2	13.0	0.531	13.5	11,300	5,130	22,600	100.4	45,200	200.80	1.79	45.50	0.72	18.20
5/8	16.0	0.630	16.0	15,800	7,170	31,600	140.4	63,200	280.80	2.20	56.00	0.79	20.00
3/4	20.0	0.787	20.0	24,700	11,200	49,400	219.6	98,800	439.20	2.76	70.00	0.98	25.00

Warning:

THESE CHAINS MUST NOT BE USED IN OVERHEAD LIFTING APPLICATIONS

Proof Test and Minimum Breaking Force Loads must not be used as criteria for service or design purposes

CHAINS



Grade 70 Transport Chain

- Design factor 4:1 (in accordance with NACM specifications)
- Gold Chromated finish

Chain Size	WLL (lbs)	Material Diameter	Inside Length	Inside Width	Weight (lbs/100')	Full drums		Vanguard Code
						feet	lbs	
1/4	3,150	0.275	1.240	0.460	74	800	592	3807 0016
5/16	4,700	0.330	1.150	0.490	100	550	550	3807 0020
3/8	6,600	0.397	1.300	0.600	145	400	580	3807 0024
7/16	8,750	0.458	1.370	0.670	209	300	627	3807 0028
1/2	11,300	0.520	1.560	0.810	264	200	528	3807 0032

For 1/2 drums, add '1' at the end of part number (i.e. 3807 00161)

18" Chain Tails - Grade 70

- Design factor 3:1

Chain Size	WLL (lbs)	Model / Web Width	Weight (lbs)	Vanguard Code
5/16	3,335	S - 925 / 2"	2.62	3705 4010
3/8	6,000	S - 926 / 3"	3.50	3705 4011
3/8	6,600	S - 927 / 4"	3.66	3705 4012
5/16	5,500	S - 928 / 3"	2.80	3705 5000



Warning:

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DO NOT USE GRADE 70 CHAINS FOR LIFTING APPLICATIONS!