

# GRADE 80 CHAINS



## Grade 80 Chain Working Load Limits



Chain Size	Single 90°	Double 60°	Double 45°	Double 30°	Triple/Quad 60°	Triple/Quad 45°	Triple/Quad 30°
9/32	3,500	6,100	4,900	3,500	9,100	7,400	5,200
3/8	7,100	12,300	10,000	7,100	18,400	15,100	10,600
1/2	12,000	20,800	17,000	12,000	31,200	25,500	18,000
5/8	18,100	31,300	25,600	18,100	47,000	38,400	27,100
3/4	28,300	49,000	40,000	28,300	73,500	60,000	42,400
7/8	34,200	59,200	48,400	34,200	88,900	72,500	51,300
1	47,700	82,600	67,400	47,700	123,800	101,000	71,500

## Grade 80 Component Selection Guide

Sling Type	Chain Size	Oblong Master Link	Master Link SA	Coupling Link	Clevis Grab Hook	Clevis Sling Hook	Eye Grab Hook	Eye Sling Hook
Single	9/32	1/2		9/32	9/32	9/32	9/32	9/32
Double		1/2						
Triple/Quad			3/4					
Single	3/8	3/4		3/8	3/8	3/8	3/8	3/8
Double		3/4						
Triple/Quad			1					
Single	1/2	1		1/2	1/2	1/2	1/2	1/2
Double		1						
Triple/Quad			1 1/4					
Single	5/8	1		5/8	5/8	5/8	5/8	5/8
Double		1 1/4						
Triple/Quad			1 1/2					
Single	3/4	1 1/4		3/4	3/4	3/4	3/4	3/4
Double		1 1/2						
Triple/Quad			1 3/4					
Single	7/8	1 1/2		7/8	7/8	7/8	7/8	7/8
Double		1 3/4						
Triple/Quad			2					
Single	1	1 3/4		1			1	1
Double		2						
Triple/Quad			2 1/4					

### Warning:

**NEVER EXCEED WORKING LOAD LIMITS!  
USE ONLY GRADE 80 CHAINS OR HIGHER FOR OVERHEAD LIFTING APPLICATIONS!  
ALWAYS INSPECT CHAINS & FITTINGS PRIOR TO USE!**



# GRADE 80 CHAINS



## Grade 80 Chain

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

Chain Size	WLL (lbs)	Material Diameter	Inside Length	Inside Width	Weight (lbs/100')	Full drums		Vanguard Code
						feet	lbs	
9/32	3,500	0.275	0.880	0.410	72	800	576	3808 00161
5/16	4,500	0.330	1.020	0.480	106	500	530	3808 00201
3/8	7,100	0.397	1.220	0.570	150	400	600	3808 00241
1/2	12,000	0.520	1.560	0.750	261	200	522	3808 00321
5/8	18,100	0.630	1.930	0.920	361	150	542	3808 00401
3/4	28,300	0.790	2.360	1.020	610	196	1,195	3808 00481
7/8	34,200	0.870	2.600	1.130	720	164	1,181	3808 00561
1	47,700	1.020	3.070	1.330	1,025	98	1,005	3808 01001

## weissenfels

Chain Size	WLL (lbs)	Material Diameter	Inside Length	Min. Inside Width	Weight (lbs/100')	Full drums		Vanguard Code
						feet	lbs	
9/32	3,500	0.275	0.820	0.394	74	800	592	3808 0016
5/16	4,500	0.314	0.940	0.469	94	550	517	3808 0020
3/8	7,100	0.393	1.180	0.575	148	400	592	3808 0024
1/2	12,000	0.512	1.530	0.764	256	200	512	3808 0032
5/8	18,100	0.629	1.890	0.937	383	150	575	3808 0040
3/4	28,300	0.787	2.360	1.142	605	100	605	3808 0048

**Warning:**

NEVER EXCEED WORKING LOAD LIMITS!  
DO NOT USE CHAINS WITH SIGNS OF WEAR OR DEFORMATION!