

Binder Chain Specifications

This chart indicates the minimum number of chains required to secure loads in the forward direction (0.8g deceleration)* per Federal Motor Carriers Safety Administration, DOT Regulations; per 49CFR, Part 393-Paragraph 393.102 *Refer to 49CFR, Parts 392 and 393, for North American Standard for Protection Against Falling and Shifting Cargo for complete regulations.

Minimum number of chains required to secure loads in forward direction by Weight of Article in lbs. (kg.)

Grade Of Chain	Size (in.)	Working Load		5,000 (2270)	10,000 (4,540)	15,000 (6,800)	20,000 (9,070)	25,000 (11,340)	30,000 (13,600)	35,000 (15,870)	40,000 (18,140)	45,000 (20,410)	50,000 (22,680)
		Limit (lbs)	(kg)										
CM Grade 30 Proof Coil	5/16	1,900	862	3	5	7	9	11	13	15	17	19	22
	3/8	2,650	1,202	2	4	5	7	8	10	11	13	14	16
CM Grade 43 High Test	5/16	3,900	1,770	2	3	4	5	6	7	8	9	10	11
	3/8	5,400	2,450	1	2	3	3	4	5	6	6	7	8
CM Grade 70 Transport	1/4	3,150	1,429	2	3	4	6	7	8	9	11	12	13
	5/16	4,700	2,130	1	2	3	4	5	6	6	7	8	9
	3/8	6,600	2,994	1	2	2	3	4	4	5	5	6	7
CM Grade 80 Herc-Alloy HA800	7/32	2,100	953	2	4	6	8	10	12	14	16	18	20
	9/32	3,500	1,588	2	3	4	5	6	7	9	10	11	12
	5/16	4,500	2,041	1	2	3	4	5	6	7	8	9	10
	3/8	7,100	3,220	1	2	2	3	3	4	4	5	6	6
CM Grade 100 Herc-Alloy HA1000	7/32	2,700	1,225	2	3	5	6	8	9	11	12	14	15
	9/32	4,300	1,950	1	2	3	4	5	6	7	8	9	10
	3/8	8,800	3,992	1	1	2	2	3	3	4	4	5	5