

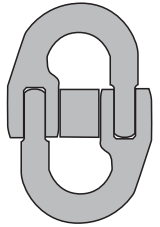


# Chain Dimensions & Inspection Criteria

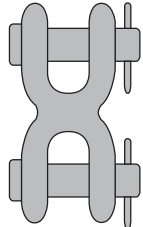
## TrucknTow.com Product Specifications

### Chain Inspection and Repair Criteria

#### Acceptable types of repair links



Mechanical Connecting Link



Double Clevis Mid-Link

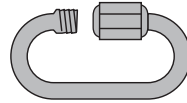
#### Unsuitable for all applications



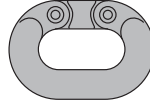
Repair (Lap) Link



Cold Shut



Quick Link

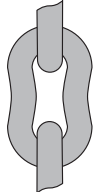


Connecting Link

#### North American Uniform Out-of-Service Criteria for Chain Links



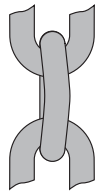
Normal (Acceptable)



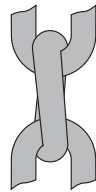
Stretched



Bent (Crushed)

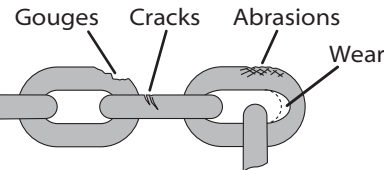
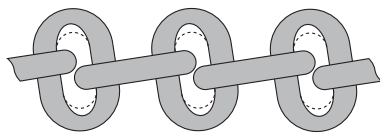


Bent



Twisted

#### Extreme Wear of Bearing Surfaces



### WLL by Grade & Size

Grade of Chain	Size (in.)	WLL (lbs.)	WLL (kg.)
Grade 30	3/16	800	363
	1/4	1,300	590
	5/16	1,900	862
	3/8	2,650	1,202
	7/16	3,700	1,678
	1/2	4,500	2,041
	5/8	6,900	3,130
	3/4	10,600	4,808
Grade 43	1/4	2,600	1,180
	5/16	3,900	1,770
	3/8	5,400	2,450
	7/16	7,200	3,266
	1/2	9,200	4,173
	5/8	13,000	5,897
Grade 70	3/4	20,200	9,163
	1/4	3,150	1,429
	5/16	4,700	2,132
	3/8	6,600	2,994
	7/16	8,750	3,969
Grade 80	1/2	11,300	5,126
	7/32	2,100	953
	9/32	3,500	1,588
	5/16	4,500	2,041
	3/8	7,100	3,220
	1/2	12,000	5,443
Grade 100	5/8	18,100	8,210
	3/4	28,300	12,837
	7/32	2,700	1,225
	9/32	4,300	1,950
	3/8	8,800	3,992
	1/2	15,000	6,804
5/8	22,600	10,251	
3/4	35,300	16,012	

### Binder Chain Specifications: Securing Loads in Forward Direction (0.8g deceleration)\*

Grade of Chain	Size (in.)	WLL (lbs.)	WLL (kg.)	Minimum number of chains required to secure loads in forward direction by Weight of article in lbs. (kg.)										
				5,000 (2,270)	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)	
Grade 30	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	
Grade 43	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	
Grade 70	1/4	3,150	1,429	2	3	4	6	7	8	9	11	12	13	
	5/16	4,700	2,132	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	
Grade 80	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	
Grade 100	3/8	7,100	3,220	1	2	2	3	3	4	4	5	6	6	
	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	

\*Per Federal Motor Carriers Safety Administration, DOT Regulations; per 49CFR, Part 393 - Paragraph 393.102. Refer to 49CFR, Parts 392 and 393 for complete regulations