

**Table – Working Load Limits (WLL) for Chain**

Chain Size in millimeters (inches)	Unmarked Chain	Grade 30 proof coil	Grade 43 high test	Grade 70 transport	Grade 80 alloy	Grade 100 alloy
<b>Chain Marking</b>	<b>None</b>	<b>3, 30, 300</b>	<b>4, 43, 430</b>	<b>7, 70, 700</b>	<b>8, 80, 800</b>	<b>10, 100, 1000</b>
7mm (1/4in)	580kg (1,300lb)	580kg (1,300lb)	1,180kg (2,600lb)	1,430kg (3,150lb)	1,570kg (3,500lb)	1,950kg (4,300lb)
8mm (5/16in)	860kg (1,900lb)	860kg (1,900lb)	1,770kg (3,900lb)	2,130kg (4,700lb)	2,000kg (4,500lb)	2,600kg (5,700lb)
10mm (3/8in)	1,200kg (2,650lb)	1,200kg (2,650lb)	2,450kg (5,400lb)	2,990kg (6,600lb)	3,200kg (7,100lb)	4,000kg (8,800lb)
11mm (7/16in)	1,680kg (3,700lb)	1,680kg (3,700lb)	3,270kg (7,200lb)	3,970kg (8,750lb)	n/a	n/a
13mm (1/2in)	2,030 kg (4,500lb)	2,030 kg (4,500lb)	4,170kg (9,200lb)	5,130kg (11,300lb)	5,400kg (12,000lb)	6,800kg (15,000lb)
16mm (5/8in)	3,130kg (6,900lb)	3,130kg (6,900lb)	5,910kg (13,000lb)	7,170kg (15,800lb)	8,200kg (18,100lb)	10,300kg (22,600lb)

**Working Load Limits (WLL) for Natural and Synthetic Fiber Rope**

Manila		Polypropylene (3 & 8 Strand)		Polyester (3 & 8 Strand)		Nylon		Double Braided Nylon	
Size	WLL	Size	WLL	Size	WLL	Size	WLL	Size	WLL
10mm (3/8in)	90kg (205lb)	10mm (3/8in)	180kg (400lb)	10mm (3/8in)	250kg (555lb)	10mm (3/8in)	130kg (278lb)	10mm (3/8in)	150kg (336lb)
11mm (7/16in)	120kg (265lb)	11mm (7/16in)	240kg (525lb)	11mm (7/16in)	340kg (750lb)	11mm (7/16in)	190kg (410lb)	11mm (7/16in)	230kg (502lb)
13mm (1/2in)	150kg (315lb)	13mm (1/2in)	280kg (625lb)	13mm (1/2in)	440kg (960lb)	13mm (1/2in)	240kg (525lb)	13mm (1/2in)	300kg (655lb)
16mm (5/8in)	210kg (465lb)	16mm (5/8in)	420kg (925lb)	16mm (5/8in)	680kg (1,500lb)	16mm (5/8in)	420kg (935lb)	16mm (5/8in)	510kg (1,130lb)
20mm (3/4in)	290kg (640lb)	20mm (3/4in)	580kg (1,275lb)	20mm (3/4in)	850kg (1,880lb)	20mm (3/4in)	640kg (1,420lb)	20mm (3/4in)	830kg (1,840lb)
25mm (1in)	480kg (1,050lb)	25mm (1in)	950kg (2,100lb)	25mm (1in)	1,500kg (3,300lb)	25mm (1in)	1,140kg (2,520lb)	25mm (1in)	1,470kg (3,250lb)

Working Load Limits for Synthetic Webbing		Working Load Limits for Steel Strapping		Working Load Limits for Wire Rope	
Size	WLL	Size	WLL	Size	WLL
45mm (1-3/4in)	790kg (1,750lb)	31.7 x .74mm (1-1/4 x 0.029in)	540kg (1,190lb)	7mm (1/4in)	640kg (1,400lb)
50mm (2in)	910kg (2,000lb)	31.7 x .79mm (1-1/4 x 0.031in)	540kg (1,190lb)	8mm (5/16in)	950kg (2,100lb)
75mm (3in)	1,360kg (3,000lb)	31.7 x .89mm (1-1/4 x 0.035in)	540kg (1,190lb)	10mm (3/8in)	1,360kg (3,000lb)
100mm (4in)	1,810kg (4,000lb)	31.7 x 1.12mm (1-1/4 x 0.044in)	770kg (1,690lb)	11mm (7/16in)	1,860kg (4,100lb)
		31.7 x 1.27mm (1-1/4 x 0.05in)	770kg (1,690lb)	13mm (1/2in)	2,400kg (5,300lb)
		31.7 x 1.5mm (1-1/4 x 0.057in)	870kg (1,925lb)	16mm (5/8in)	3,770kg (8,300lb)
		50.8 x 1.12mm (2 x 0.044in)	1,200kg (2,650lb)	20mm (3/4in)	4,940kg (10,900lb)
		50.8 x 1.27mm (2 x 0.05in)	1,200kg (2,650lb)	22mm (7/8in)	7,300kg (16,100lb)
				25mm (1in)	9,480kg (20,900lb)