

# Grade 10 Working Load Limit table

## TEMPERATURE

If extreme temperature situations occur, the following load reductions must be taken into account:

Temperature °Celsius	Temperature °Fahrenheit	Reduction for elevated temperatures New Working Load Limit
-40 °C up to 200 °C	-40 °F up to 392 °F	100 % of original WLL
200 – 300 °C	392 - 572 °F	90 % of original WLL
300 - 400 °C	572 - 752 °F	75 % of original WLL
> 400 °C	> 752 °F	not allowed

## WORKING LOAD LIMIT TABLE FOR GRADE 10 CHAIN SLINGS TO EN 818-4

Chain Ø		90°	2 leg sling		3 or 4 leg sling		Endless Sling
			0° < β ≤ 45°	45° < β ≤ 60°	0° < β ≤ 45°	45° < β ≤ 60°	
1 leg sling		Safety factor 1.4	Safety factor 1.0	Safety factor 2.1	Safety factor 1.5	Safety factor 1.6	
mm	inch	t	t	t	t	t	
6	7/32	1.40	1.95	1.40	2.95	2.10	2.24
8	5/16	2.60	3.69	2.60	5.50	3.90	4.16
10	3/8	4.00	5.65	4.00	8.50	6.00	6.40
13	1/2	6.80	9.60	6.80	14.20	10.20	10.88
16	5/8	10.30	14.50	10.30	21.80	15.45	16.48
20	3/4	16.00	22.40	16.00	33.60	24.00	25.60
22	7/8	19.00	26.50	19.00	40.00	28.00	30.40

## WORKING LOAD LIMIT TABLE FOR GRADE 10 CHAIN SLINGS (US)

Chain Ø		90°	2 leg sling			3 or 4 leg sling			Endless Sling
			0° < β ≤ 30°	30° < β ≤ 45°	45° < β ≤ 60°	0° < β ≤ 30°	30° < β ≤ 45°	45° < β ≤ 60°	
1 leg sling		Safety factor 1.73	Safety factor 1.4	Safety factor 1.0	Safety factor 2.6	Safety factor 1.1	Safety factor 1.5	Safety factor 1.6	
inch	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
7/32	2,700	4,700	3,800	2,700	7,000	5,700	4,000	4,320	
9/32	4,300	7,400	6,100	4,300	11,200	9,100	6,400	6,880	
5/16	5,700	9,900	8,100	5,700	14,800	12,100	8,500	9,120	
3/8	8,800	15,200	12,400	8,800	22,900	18,700	13,200	14,080	
1/2	15,000	26,000	21,200	15,000	39,000	31,800	22,500	24,000	
5/8	22,600	39,100	32,000	22,600	58,700	47,900	33,900	36,160	
3/4	35,300	61,100	49,900	35,300	91,700	74,900	53,000	56,480	
7/8	42,700	74,000	60,400	42,700	110,900	90,600	64,000	68,320	