

Grade 5 Working Load Limit table

Stainless Steel

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 STAINLESS STEEL 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°	
mm	inch	1 leg sling	Safety factor 1.4	Safety factor 1.0	Safety factor 2.1	Safety factor 1.5	Safety factor 1.6
		t	t	t	t	t	t
6	7/32	0.70	1.00	0.70	1.47	1.05	1.12
8	5/16	1.20	1.70	1.20	2.50	1.80	1.92
10	3/8	1.60	2.25	1.60	3.36	2.40	2.56
13	1/2	2.70	3.80	2.70	5.70	4.05	4.32