



# Working Load Limits - United States

## WLL tonnes Grade 10 GrabiQ

Based on A 906/A 906M-2

Sling type	1-leg	2-leg			3- and 4-leg		
Condition of use	Straight	$\alpha 60^\circ$	$\alpha 45^\circ$	$\alpha 30^\circ$	$\alpha 60^\circ$	$\alpha 45^\circ$	$\alpha 30^\circ$
Load factor	1	1.73	1.41	1	2.59	2.12	1.5
Chain size							
6	1.50	2.50	2.10	1.50	3.80	3.10	2.20
7	1.95	3.30	2.70	1.90	5.00	4.10	2.90
8	2.50	4.30	3.50	2.50	6.40	5.30	3.70
10	4.00	6.90	5.60	4.00	10.30	8.40	6.00
13	6.80	11.70	9.50	6.80	17.60	14.40	10.20
16	10.00	17.30	14.10	10.00	25.90	21.20	15.00
20	16.00	27.60	22.50	16.00	41.40	33.90	24.00
22	20.00	34.60	28.20	20.00	51.80	42.40	30.00
26	27.00	46.70	38.00	27.00	69.90	57.20	40.50
32	40.00	69.20	56.40	40.00	103.60	84.80	60.00

Note 1: WLL for 2-leg sling and single leg basket slings = 2 x 1-leg WLL x sin of horizontal angle  $\alpha$

Note 2: WLL for 3- and 4-leg sling and 2-leg basket slings = 3 x 1-leg WLL x sin of horizontal angle  $\alpha$

Note 3: WLL based upon equally loaded and disposed sling legs

## WLL tonnes Grade 8 Classic

Based on A 906/A 906M-2

Sling type	1-leg	2-leg			3- and 4-leg		
Condition of use	Straight	$\alpha 60^\circ$	$\alpha 45^\circ$	$\alpha 30^\circ$	$\alpha 60^\circ$	$\alpha 45^\circ$	$\alpha 30^\circ$
Load factor	1	1.73	1.41	1	2.59	2.12	1.5
Chain size							
6	1.12	1.90	1.50	1.10	2.90	2.30	1.60
7	1.57	2.70	2.20	1.50	4.00	3.30	2.30
8	2	3.40	2.80	2.00	5.10	4.20	3.00
10	3.2	5.50	4.50	3.20	8.20	6.70	4.80
13	5.4	9.30	7.60	5.40	13.90	11.40	8.10
16	8.2	14.10	11.50	8.20	21.20	17.30	12.30
19	11.6	20.00	16.30	11.60	30.00	24.50	17.40
22	15.5	26.80	21.80	15.50	40.10	32.80	23.20
26	21.6	37.30	30.40	21.60	55.90	45.70	32.40
32	32.8	56.70	46.20	32.80	84.90	69.50	49.20

Note 1: WLL for 2-leg sling and single leg basket slings = 2 x 1-leg WLL x sin of horizontal angle  $\alpha$

Note 2: WLL for 3- and 4-leg sling and 2-leg basket slings = 3 x 1-leg WLL x sin of horizontal angle  $\alpha$

Note 3: WLL based upon equally loaded and disposed sling legs