Design factor	1-leg slings	2-leg slings	3- and 4-leg slings

4:1

Angle	90°	30°	45°	60°	30°	45°	60°
Load Factor	1	1	1.4	1.7	1.5	2.1	2.6

Grade 80 Alloy

Chain	Dai.	Working Load Limit in Lbs.							Temperature Resist
Ni 5.5	7/32	2100	2100	3000	3600	3200	4450	5500	
Ni 7	9/32	3500	3500	4900	6100	5200	7400	9100	
Ni 8	5/16	4500	4500	6400	7800	6800	9500	11700	Retains 100% of work load limit at minus 40-390°F, 90% at 390-570 F, and 75% at 570-750' Not for temperatures ov 750°F.
Ni 10	3/8	7100	7100	10000	12300	10600	15100	18400	
Ni 13	1/2	12000	12000	17000	20800	18000	25500	31200	
Ni 16	5/8	18100	18100	25600	31300	27100	38400	47000	
Ni 20	3/4	28300	28300	40000	49000	42400	60000	73500	
Ni 22	7/8	34200	34200	48400	59200	51300	72500	88900	
Ni 26	1	47700	47700	67400	82600	71500	101200	123900	
Ni 32	1-1/4	72300	72300	102200	125200	108400	153400	187800	

Grade 100 Alloy

Chain	Dai.	Working Load Limit in Lbs.							Temperature Resist
Ni 5.50	7/32	2700	2700	3800	4700	4050	5700	7000	
Ni 70	9/32	4300	4300	6100	7500	6450	9100	11200	
Ni 80	5/16	5700	5700	8100	9900	8500	12100	14800	Retains 100% of work load limit at minus 40-300°F, and 80% at 300 390°F. Not for temperatures over 390°
Ni 100	3/8	8800	8800	12400	15200	13200	18600	22800	
Ni 130	1/2	15000	15000	21200	26000	22500	31800	39000	
Ni 160	5/8	22600	22600	32000	39100	33900	47900	58700	
Ni 200	3/4	35300	35300	49900	61100	53000	74900	91700	
Ni 220	7/8	42700	42700	60400	74000	64000	90600	111000	

Grade 50 316L Stainless Steel

Chain	Dai.	Working Load Limit in Lbs.							Temperature Resist
Nik 5	3/16	1100	1100	1600	1900	1700	2300	2900	Retains 100% of work load limit at minus 50-750°F, 75% at 750-110 F, and 50% at 1100-1290°F. Not for temperatures over 1290 F.
Nik 7	9/32	2200	2200	3100	3800	3300	4600	5700	
Nik 10	3/8	4400	4400	6200	7500	6600	9300	11500	
Nik 13	1/2	7100	7100	10000	12100	10700	14900	18500	
Nik 16	5/8	11000	11000	15600	18700	16500	23100	23100	

Reduction Factors

...to be used for various slinging methods without shock loads.

Load Factor	.8	2	1.6	1.6	.7	1	.7	

Asymmetrical distribution of load

R = more than 2 x chain dia.

R = more than chain dia.

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