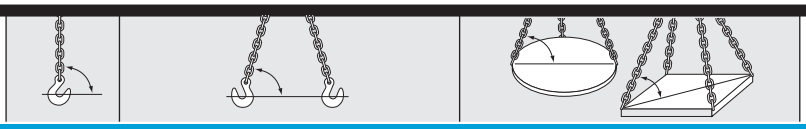
Maximum Work Load [lbs] of Various Chain Sling Applications

Design Factor 4:1



Grade 120 Alloy Winner Pro

Chain	Diameter	Angle: Load Factor:	90 degrees 1	60 degrees 1.7	45 degrees 1.4	30 degrees 1	60 degrees 2.6	45 degrees 2.1	30 degrees 1.4	Temperature Resistance
NI720	9/32″		5,200	9,000	7,400	5,200	13,500	11,000	7,800	Retains 100% of work load limit at -40 to 570°F. Not for temperatures over 570°F.
NI820	5/16″		6,600	11,400	9,300	6,600	17,100	14,000	9,900	
NI1020	3/8″		10,600	18,400	15,000	10,600	27,500	22,500	15,900	
NI1320	1/2″		17,900	31,000	25,300	17,900	46,500	38,000	26,900	
NI1620	5/8“		27,500	47,000	38,500	27,500	71,500	58,000	41,500	

Grade 100 Alloy Winner

Chain	Diameter	Angle: Load Factor:	90 degrees 1	60 degrees 1.7	45 degrees 1.4	30 degrees 1	60 degrees 2.6	45 degrees 2.1	30 degrees 1.4	Temperature Resistance
NI5.50	7/32″		2,700	4,700	3,800	2,700	7,000	5,700	4,000	Retains 100% of work load limit at -40 to 400°F. Not for temperatures over 400°F.
NI70	9/32″		4,300	7,400	6,100	4,300	11,200	9,100	6,400	
NI80	5/16″		5,700	9,900	8,100	5,700	14,800	12,100	8,500	
NI100	3/8″		8,800	15,200	12,400	8,800	22,900	18,700	13,200	
NI130	1/2″		15,000	26,000	21,200	15,000	39,000	31,800	22,500	
NI160	5/8″		22,600	39,100	32,000	22,600	58,700	47,900	33,900	
NI200	3/4″		35,300	61,100	49,900	35,300	91,700	74,900	53,000	
NI220	7/8″		42,700	74,000	60,400	42,700	110,900	90,600	64,000	
NI260	1″		59,700	103,400	84,400	59,700	155,100	126,600	89,550	
NI320	1-1/4″		90,400	156,600	127,800	90,400	234,900	191,800	135,600	

Grade 80 Alloy

Chain	Diameter	Angle: Load Factor:	90 degrees 1	60 degrees 1.7	45 degrees 1.4	30 degrees 1	60 degrees 2.6	45 degrees 2.1	30 degrees 1.4	Temperature Resistance
NI5.5	7/32″		2,100	3,600	3,000	2,100	5,500	4,400	3,200	Retains 100% of work load limit at -40 to 400°F, 90% at 400 to 570°F, and 75% at 570 to 750°F. Not for temperatures over 750°F.
NI7	9/32″		3,500	6,100	4,900	3,500	9,100	7,400	5,200	
NI8	5/16″		4,500	7,800	6,400	4,500	11,700	9,500	6,800	
NI10	3/8″		7,100	12,300	10,000	7,100	18,400	15,100	10,600	
NI13	1/2″		12,000	20,800	17,000	12,000	31,200	25,500	18,000	
NI16	5/8″		18,100	31,300	25,600	18,100	47,000	38,400	27,100	
NI20	3/4″		28,300	49,000	40,000	28,300	73,500	60,000	42,400	
NI22	7/8″		34,200	59,200	48,400	34,200	88,900	72,500	51,300	
NI26	1″		47,700	82,600	67,400	47,700	123,900	101,200	71,500	
NI32	1-1/4″		72,300	125,200	102,200	72,300	187,800	153,400	108,500	

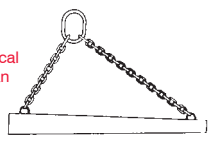
Grade 63 Inox Stainless Steel

Chain	Diameter	Angle: Load Factor:	90 degrees 1	60 degrees 1.7	45 degrees 1.4	30 degrees 1	60 degrees 2.6	45 degrees 2.1	30 degrees 1.4	Temperature Resistance
WOX5	3/16″		1,400	2,400	2,000	1,400	3,600	2,900	2,100	Retains 100% of work load limit at -40 to 650°F. Not for temperatures over 650°F.
WOX7	9/32″		2,700	4,600	3,800	2,700	7,000	5,700	4,000	
WOX10	3/8″		5,500	9,300	7,700	5,500	14,300	11,500	8,200	
WOX13	1/2″		9,300	15,800	13,000	9,300	24,200	19,500	13,900	
WOX16	5/8″		13,900	23,600	19,500	13,900	36,100	29,200	20,800	

Reduction Factors

To be used for various slinging methods and conditions without shock loads.

* The use of mechanical connectors to make an endless sling is prohibited.



Load factor:	0.8	1.4	1.4	1.6	**Reduction factor:**	0.7 Asymmetrical distribution of load	1 R = more than 2 x chain dia	0.7 R = more than chain dia.	0.5 Sharp corners