

# SLING REFERENCE CHART

## Chain Slings

WORKING LOAD LIMITS (LBS)										
GRADE 100 CHAIN	Single Sling		Double Sling		Triple/Quad Sling					
	90° Angle of Lift		60° Angle		45° Angle		60° Angle		45° Angle	
Size (Inch)	4:1	5:1	4:1	5:1	4:1	5:1	4:1	5:1	4:1	5:1
9/32	4,300	3,440	7,400	5,920	6,100	4,880	11,200	8,960	9,100	7,280
5/16	5,700	4,560	9,900	7,920	8,100	6,480	14,800	11,840	12,100	9,680
3/8	8,800	7,040	15,200	12,160	12,400	9,920	22,900	18,240	18,600	14,480
1/2	15,000	12,000	26,000	20,800	21,200	16,960	39,000	31,200	31,800	24,960
5/8	22,600	18,080	39,100	31,280	32,000	25,600	58,700	46,960	47,900	37,600
3/4	35,300	28,240	61,100	48,880	49,900	39,920	91,700	73,360	74,900	58,688

Working load limits above (in black) are calculated on a 4:1 design factor as per ASME B30.9 specifications. Working load limits above (in red) are calculated on a 5:1 design factor

## Web Slings

Class 7 Synthetic Webbing Slings

WORKING LOAD LIMITS (LBS)					
ONE PLY	Type 3 and 4				Type 5
	Vertical 90°	Choker 90°	Vertical Basket 90°	Two Legged 60°	Vertical 90°
Size (Inch)					
1	1,600	1,250	3,200	2,800	3,200
2	3,100	2,480	6,200	5,400	6,400
3	4,700	3,760	9,400	8,100	8,600
4	6,200	4,960	12,400	10,700	11,500
5	7,800	6,240	15,600	13,500	13,600
6	9,300	7,440	18,600	16,100	16,300
8	11,750	9,400	23,500	18,300	19,200
10	14,700	11,760	29,400	22,900	22,400
12	17,650	14,120	35,300	27,500	26,900

The working load limits above are calculated on a 5:1 design factor  
THE ABOVE CHART IS IN COMPLIANCE WITH ASME B30.9 SPECIFICATIONS

## Round Slings

WORKING LOAD LIMITS (LBS)					
Code	Colour	Vertical 90°	Choker 90°	Basket 90°	
ML30	PURPLE	3,000	2,400	6,000	
ML40	BLACK	4,000	3,200	8,000	
ML60	GREEN	6,000	4,800	12,000	
ML90	YELLOW	9,000	7,200	18,000	
ML120	TAN	12,000	9,600	24,000	
ML140	RED	14,000	11,200	28,000	
ML170	ORANGE	17,000	13,600	34,000	
ML230	BLUE	23,000	18,400	46,000	
ML260	BROWN	26,000	20,800	52,000	
ML320	GRAY	32,000	25,600	64,000	
ML400	OLIVE	40,000	32,000	80,000	
ML540	ORANGE	54,000	43,200	108,000	
ML680	ORANGE	68,000	54,400	136,000	
ML900	ORANGE	90,000	72,000	180,000	

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Class 7 Synthetic Webbing Slings

WORKING LOAD LIMITS (LBS)					
TWO PLY	Type 3 and 4				Type 5
	Vertical 90°	Choker 90°	Vertical Basket 90°	Two Legged 60°	Vertical 90°
Size (Inch)					
1	3,100	2,480	6,200	5,400	6,200
2	6,200	4,960	12,400	10,700	12,400
3	8,800	7,040	17,600	15,200	17,600
4	11,000	8,800	22,000	19,100	22,000
5	13,700	10,960	27,400	23,700	27,400
6	16,500	13,200	33,000	28,600	33,000
8	22,750	18,200	45,500	36,700	42,350
10	28,400	22,720	56,800	45,800	52,900
12	34,100	27,280	68,200	55,000	63,500

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## Wire Rope Slings

6 x 19 or 6 x 36 Classification, EIPS, IWRC Wire Rope

WORKING LOAD LIMITS (LBS)							
Flemish Eye Splice	Vertical Lift	Choker Hitch	Basket Hitch	2 Part Bridle Sling		4 Part Bridle Sling	
Size (Inch)	90°	90°	90°	60°		45°	
1/4	1,300	960	2,600	2,200	1,820	4,400	3,600
5/16	2,000	1,480	4,000	3,400	2,800	7,000	5,600
3/8	2,800	2,200	5,800	5,000	4,000	10,000	8,200
7/16	3,800	2,800	7,600	6,800	5,400	13,400	11,000
1/2	5,000	3,800	10,200	8,800	7,200	17,600	14,200
9/16	6,400	4,800	12,800	11,000	9,000	22,000	18,000
5/8	7,800	5,800	15,600	13,600	11,000	28,000	22,000
3/4	11,200	8,200	22,400	19,400	15,800	38,000	32,000
7/8	15,200	11,200	30,400	26,000	22,000	52,000	42,000
1	19,600	14,400	39,200	33,400	28,000	68,000	56,000
1-1/8	24,000	18,200	48,000	42,000	34,000	84,000	68,000
1-1/4	30,000	22,000	60,000	52,000	42,000	102,000	84,000
1-3/8	36,000	26,000	72,000	62,000	50,000	124,000	100,000
1-1/2	42,000	32,000	84,000	74,000	60,000	146,000	120,000
1-3/4	56,000	42,000	112,000	98,000	80,000	196,000	160,000
2	74,000	56,000	148,000	126,000	104,000	254,000	208,000

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WARNING: Read warnings and use limitations before rigging. Never exceed working load limits.