



**NOMINAL STRENGTHS OF WIRE ROPE**

6 x 19 Classification/Bright (Uncoated), Fiber Core

Nominal Diameter		Approximate Mass		Nominal Strength*	
				Improved Plow Steel**	
inches	mm	lb/ft	kg/m	tons	metric tonnes
¼	6.4	0.11	0.16	2.74	2.49
⅜	8	0.16	0.24	4.26	3.86
½	9.5	0.24	0.35	6.10	5.53
⅝	11.5	0.32	0.48	8.27	7.50
¾	13	0.42	0.63	10.7	9.71
⅞	14.5	0.53	0.79	13.5	12.2
1	16	0.66	0.98	16.7	15.1
1 ¼	19	0.95	1.41	23.8	21.6
1 ½	22	1.29	1.92	32.2	29.2
1 ¾	26	1.68	2.5	41.8	37.9
2	29	2.13	3.17	52.6	47.7
2 ¼	32	2.63	3.91	64.6	58.6
2 ½	35	3.18	4.73	77.7	70.5
2 ¾	38	3.78	5.63	92.0	83.5
3	42	4.44	6.61	107	97.1
3 ¼	45	5.15	7.66	124	112
3 ½	48	5.91	8.8	141	128
3 ¾	52	6.72	10.0	160	145
4	54	7.59	11.3	179	162
4 ¼	57	8.51	12.7	200	181
4 ½	60	9.48	14.1	222	201
4 ¾	64	10.5	15.6	244	221
5	67	11.6	17.3	268	243
5 ¼	70	12.7	18.9	292	265

\*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896;  
1 lb = 4.448 newtons (N).

\*\*Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.



**NOMINAL STRENGTHS OF WIRE ROPE**  
6 x 19 Classification/Bright (Uncoated), IWRC

Nominal Diameter		Approximate Mass		Nominal Strength*			
inches	mm	lb/ft	kg/m	Improved Plow Steel**		Extra Imp. Plow Steel**	
				tons	metric tonnes	tons	metric tonnes
¼	6.4	0.12	0.17	2.94	2.67	3.40	3.08
⅜	8	0.18	0.27	4.58	4.16	5.27	4.78
½	9.5	0.26	0.39	6.56	5.95	7.55	6.85
⅝	11.5	0.35	0.52	8.89	8.07	10.2	9.25
¾	13	0.46	0.68	11.5	10.4	13.3	12.1
⅞	14.5	0.59	0.88	14.5	13.2	16.8	15.2
1	16	0.72	1.07	17.7	16.2	20.6	18.7
1 ¼	19	1.04	1.55	25.6	23.2	29.4	26.7
1 ½	22	1.42	2.11	34.6	31.4	39.8	36.1
1 ¾	26	1.85	2.75	44.9	40.7	51.7	46.9
2	29	2.34	3.48	56.5	51.3	65.0	59.0
2 ¼	32	2.89	4.30	69.4	63.0	79.9	72.5
2 ½	35	3.5	5.21	83.5	75.7	96.0	87.1
2 ¾	38	4.16	6.19	98.9	89.7	114	103
3	42	4.88	7.26	115	104	132	120
3 ¼	45	5.67	8.44	133	121	153	139
3 ½	48	6.5	9.67	152	138	174	158
3 ¾	52	7.39	11.0	172	156	198	180
4	54	8.35	12.4	192	174	221	200
4 ¼	57	9.36	13.9	215	195	247	224
4 ½	60	10.4	15.5	239	217	274	249
4 ¾	64	11.6	17.3	262	238	302	274
5	67	12.8	19.0	288	261	331	300
5 ¼	70	14.0	20.8	314	285	361	327

\*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896;  
1 lb = 4.448 newtons (N).

\*\* Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.


**NOMINAL STRENGTHS OF WIRE ROPE**
**6 x 37 Classification/Bright (Uncoated), Fiber Core**

Nominal Diameter		Approximate Mass		Nominal Strength*	
				Improved Plow Steel**	
inches	mm	lb/ft	kg/m	tons	metric tonnes
1/4	6.4	0.11	0.16	2.74	2.49
5/16	8	0.16	0.24	4.26	3.86
3/8	9.5	0.24	0.35	6.10	5.53
7/16	11.5	0.32	0.48	8.27	7.50
1/2	13	0.42	0.63	10.7	9.71
5/8	14.5	0.53	0.79	13.5	12.2
3/4	16	0.66	0.98	16.7	15.1
7/8	19	0.95	1.41	23.8	21.6
1	22	1.29	1.92	32.2	29.2
1 1/8	26	1.68	2.50	41.8	37.9
1 1/4	29	2.13	3.17	52.6	47.7
1 3/8	32	2.63	3.91	64.6	58.6
1 3/4	35	3.18	4.73	77.7	70.5
1 7/8	38	3.78	5.63	92.0	83.5
2	42	4.44	6.61	107	97.1
2 1/8	45	5.15	7.66	124	112
2 1/4	48	5.91	8.8	141	128
2 1/2	52	6.72	10.0	160	145
2 3/4	54	7.59	11.3	179	162
2 7/8	57	8.51	12.7	200	181
3	60	9.48	14.1	222	201
3 1/8	64	10.5	15.6	244	221
3 1/4	67	11.6	17.3	268	243
3 3/8	70	12.7	18.9	292	265
3 1/2	74	13.9	20.7	317	287
3 3/4	77	15.1	22.5	344	312
3 7/8	80	16.4	24.4	371	336
4	83	17.7	26.3	399	362

\*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896; 1 lb = 4.448 newtons (N).

\*\*Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.

*Note: For four of the listed diameters, 1/4" through 7/16" with two-operation strands, the given nominal strengths will be reduced by approximately 5 1/2%.*



**NOMINAL STRENGTHS OF WIRE ROPE**  
**6 x 37 Classification/Bright (Uncoated), IWRC**

Nominal Diameter		Approximate Mass		Nominal Strength*			
				Improved Plow Steel**		Extra Imp. Plow Steel**	
inches	mm	lb/ft	kg/m	tons	metric tonnes	tons	metric tonnes
3/4	6.4	0.12	0.17	2.94	2.67	3.4	3.08
7/16	8	0.18	0.27	4.58	4.16	5.27	4.78
5/8	9.5	0.26	0.39	6.56	5.95	7.55	6.85
3/4	11.5	0.35	0.52	8.89	8.07	10.2	9.25
1/2	13	0.46	0.68	11.5	10.4	13.3	12.1
9/16	14.5	0.59	0.88	14.5	13.2	16.8	15.2
5/8	16	0.72	1.07	17.9	16.2	20.6	18.7
3/4	19	1.04	1.55	25.6	23.2	29.4	26.7
7/8	22	1.42	2.11	34.6	31.4	39.5	36.1
1	26	1.85	2.75	44.9	40.7	51.7	46.9
1 1/4	29	2.34	3.48	56.5	51.3	65.0	59.0
1 3/4	32	2.89	4.30	69.4	63.0	79.9	72.5
1 7/8	35	3.50	5.21	83.5	75.7	96.0	87.1
1 1/2	38	4.16	6.19	98.9	89.7	114	103
1 5/8	42	4.88	7.26	115	104	132	120
1 3/4	45	5.67	8.44	133	121	153	139
1 7/8	48	6.5	9.67	152	138	174	158
2	52	7.39	11.0	172	156	198	180
2 1/4	54	8.35	12.4	192	174	221	200
2 1/4	57	9.36	13.9	215	195	247	224
2 3/4	60	10.4	15.5	239	217	274	249
2 1/2	64	11.6	17.3	262	238	302	274
2 5/8	67	12.8	19.0	288	261	331	300
2 3/4	70	14.0	20.8	314	285	361	327
2 7/8	74	15.3	22.8	341	309	392	356
3	77	16.6	24.7	370	336	425	386
3 1/8	80	18.0	26.8	399	362	458	415
3 1/4	83	19.5	29.0	429	389	492	446
3 3/8	86	21.0	31.3	459	416	529	480
3 1/2	90	22.7	33.8	491	445	564	512
3 5/8	96	24.3	36.2	523	458	602	528
3 3/4	103	26.0	38.7	557	505	641	581

\*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896; 1 lb = 4.448 newtons (N).

\*\*Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.

Note: For four of the listed diameters, 1/4" through 7/16" with two-operation strands, the given nominal strength will be reduced by approximately 5 1/2%.



**NOMINAL STRENGTHS OF WIRE ROPE**  
**8 x 19 Classification/Rotation Resistant/Bright (Uncoated), IWRC**

Nominal Diameter		Approximate Mass		Nominal Strength*			
				Improved Plow Steel		Extra Imp. Plow Steel	
inches	mm	lb/ft	kg/m	tons	metric tonnes	tons	metric tonnes
½	13	0.47	0.70	10.1	9.16	11.6	10.5
⅝	14.5	0.60	0.89	12.8	11.6	14.7	13.3
¾	16	0.73	1.09	15.7	14.2	18.1	16.4
⅞	19	1.06	1.58	22.5	20.4	25.9	23.5
1	22	1.44	2.14	30.5	27.7	35.0	31.8
1 1/8	26	1.88	2.80	39.6	35.9	45.5	41.3
1 1/4	29	2.39	3.56	49.8	45.2	57.3	51.7
1 3/4	32	2.94	4.37	61.3	55.6	70.5	64.0
1 7/8	35	3.56	5.30	73.8	67.0	84.9	77.0
1 1/2	38	4.24	6.31	87.3	79.2	100.0	90.7

\*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896:  
 1 lb = 4.448 newtons (N).

The given strengths for 8 x 19 rotation resistant ropes are applicable only when a test is conducted on a new rope fixed at both ends. When the rope is in use, and one end is free to rotate, the nominal strength is reduced.



**NOMINAL STRENGTHS OF WIRE ROPE**  
**19 x 7 Construction/Rotation Resistant/Bright (Uncoated), IWRC**

Nominal Diameter		Approximate Mass		Nominal Strength*			
				Improved Plow Steel**		Extra Imp. Plow Steel**	
inches	mm	lb/ft	kg/m	tons	metric tonnes	tons	metric tonnes
½	13	0.45	0.67	9.85	8.94	10.8	9.8
⅝	14.5	0.58	0.86	12.4	11.2	13.6	12.3
¾	16	0.71	1.06	15.3	13.9	16.8	15.2
¾	19	1.02	1.52	21.8	19.8	24.0	21.8
7/8	22	1.39	2.07	29.5	26.8	32.5	29.5
1	26	1.82	2.71	38.3	34.7	42.2	38.3
1¼	29	2.30	3.42	48.2	43.7	53.1	48.2
1¼	32	2.84	4.23	59.2	53.7	65.1	59.1
1¾	35	3.43	5.10	71.3	64.7	78.4	71.1
1½	38	4.08	6.07	84.4	76.6	92.8	84.2

\*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896;  
1 lb = 4.448 newtons (N).

\*\*Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.

The given strengths are applicable only when a test is conducted on a new rope fixed at both ends. When the rope is in use, and one end is free to rotate, the nominal strength is reduced.

**NOMINAL STRENGTHS OF WIRE ROPE**  
**7 x 7 and 7 x 19 Small Diameter Specialty Cord, Galvanized and Corrosion Resistant**

Nominal Diameter	Approximate Mass		Nominal Strength								
	Mass		Galvanized				Corrosion Resistant				
	7 x 7	7 x 19	7 x 7	7 x 19	7 x 7	7 x 19	7 x 7	7 x 19	7 x 7	7 x 19	
inches	mm	lb/100 ft	kg/30.5m**	lb/100 ft	kg/30.5m**	lb	kg	lb	kg	lb	kg
$\frac{1}{8}$ "*	.794	.16*	.07*	110*	49.9*	110*	49.9*	110*	49.9*	110*	49.9*
$\frac{3}{16}$ "	1.19	.42	.19	270	122	270	122	270	122	270	122
$\frac{1}{4}$ "	1.59	.75	.34	480	218	480	218	480	218	480	218
$\frac{5}{16}$ "	1.98	1.1	.50	650	295	650	295	650	295	650	295
$\frac{3}{8}$ "	2.38	1.6	.73	920	417	920	417	920	417	920	417
$\frac{7}{16}$ "	2.78	2.2	1.0	1,260	572	1,260	572	1,260	572	1,260	572
$\frac{1}{2}$ "	3.18	2.8	1.3	1,700	771	1,700	771	1,700	771	1,700	771
$\frac{9}{16}$ "	3.97	4.3	2.0	2,600	1,179	2,800	1,270	2,400	1,089	2,400	1,089
$\frac{5}{8}$ "	4.76	6.2	2.8	3,700	1,678	4,200	1,905	3,700	1,678	3,700	1,678
$\frac{3}{4}$ "	5.56	8.3	3.8	4,800	2,177	5,600	2,540	4,800	2,177	5,000	2,268
$\frac{7}{8}$ "	6.35	10.6	4.8	6,100	2,767	7,000	3,175	6,100	2,767	6,400	2,903
$1\frac{1}{8}$ "	7.14	13.4	6.1	7,600	3,447	8,000	3,629	7,600	3,447	7,800	3,538
$1\frac{1}{4}$ "	7.94	16.7	7.6	9,200	4,173	9,800	4,445	9,000	4,082	9,000	4,082
$1\frac{3}{8}$ "	8.73	20.1	9.1	11,100	5,035	12,500	5,670	10,500	4,763	10,500	4,763
$1\frac{1}{2}$ "	9.52	23.6	10.7	13,100	5,942	14,400	6,532	12,000	5,443	12,000	5,443

\*3 x 7 Construction

\*\*30.5m = 100 ft



**WIRE ROPE**  
**WIRE ROPE SLINGS**



## MEASURING WIRE ROPE DIAMETER

In checking, however, the actual rope diameter must be measured. And this is defined as the diameter of the circumscribing circle, i.e., its largest cross-sectional dimension. To insure accuracy this measurement should be made with a wire rope caliper using the *correct* method (b) shown in Fig. 11. For measuring ropes with an odd number of outer strands, special techniques must be employed.

Design specifications for wire rope are such that the diameter is slightly larger than the nominal size, according to the allowable tolerances shown in Table 3.

TABLE 3: OVERSIZE LIMITS OF WIRE ROPE DIAMETERS\*

Nominal Rope Diameter	Allowable Limits
Thru 1/4"	-0 +8%
Over 1/4" thru 3/8"	-0 +7%
Over 3/8" thru 1/2"	-0 +6%
Over 1/2" and larger	-0 +5%

\*These limits have been adopted by the Wire Rope Technical Board (WRTB), and are being considered for inclusion in the forthcoming revised edition of "Federal Standard RR-W-410." In the case of certain special purpose ropes, such as aircraft cables and elevator ropes, each has specific requirements.

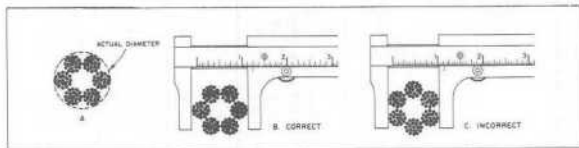


Figure 11. How to measure (or caliper) a wire rope correctly. Since the "true" diameter (A) lies within the circumscribed circle, always measure the larger dimension (B).



**APPROXIMATE TERMINAL EFFICIENCIES**

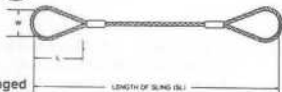
Efficiencies are applicable to nominal wire rope strengths.

Type of Termination	Efficiency	
	Rope with IWRC*	Rope with FC**
Wire Rope Socket (Spelter or Resin)	100%	100%
Swaged Socket (Regular Lay Ropes Only)	100%	(Not Recommended)
Mechanical Spliced Sleeve (Flemish Eye)		
1" dia. and smaller	95%	92-1/2%
Greater than 1" dia. through 2"	92-1/2%	90%
Greater than 2" dia. through 3-1/2"	90%	(Not established)
Loop or Thimble Splice-Hand Spliced (Tucked) (Carbon Steel Rope)		
1/4"	90%	90%
5/16"	89%	89%
3/8"	88%	88%
7/16"	87%	87%
1/2"	86%	86%
5/8"	84%	84%
3/4"	82%	82%
7/8" thru 2-1/2"	80%	80%
Loop or Thimble Splice-Hand Spliced (Tucked) (Stainless Steel Rope)		
1/4"	80%	
5/16"	79%	
3/8"	78%	
7/16"	77%	
1/2"	76%	
5/8"	74%	
3/4"	72%	
7/8"	70%	
Wedge Sockets*** (Depending on Design)	75% to 80%	75% to 80%
Clips*** (Number of clips varies with size of rope)	80%	80%

\*IWRC=Independent Wire Rope Core \*\*FC=Fiber Core

\*\*\* Typical values when applied properly. Refer to fittings manufacturers for exact values and method.

# WIRE ROPE WIRE ROPE SLINGS



## Flemished Eye and Mechanically Swaged

Dia. Of Wire Rope Inches	Min. Length (SL) Of Sing Ft-in	Inside Loop Dimensions		Rated Capacities in Tons (2000 lbs.)													
		W Inches	L Inches	IPS IWRC						EIPS IWRC							
				Single Leg	Choker Hitch	Straight Pull	Socket Hitch**	Single Leg	Choker Hitch	Straight Pull	Socket Hitch**						
						30	45	60			30	45	60				
1/2	1-6	2	4	56	42	1.1	37	79	58	95	48	1.3	1.1	81	85		
3/4	1-9	2 1/2	5	37	35	1.7	150	130	97	100	75	2.9	1.7	150	160		
1	2-0	2 1/2	6	120	93	2.4	210	180	120	140	100	2.9	2.5	200	140		
1 1/4	2-3	3 1/2	7	170	130	3.4	300	250	170	200	150	4.0	3.5	280	200		
1 1/2	2-6	4	8	220	160	4.4	280	310	220	250	180	5.0	4.4	300	250		
1 3/4	2-9	4 1/2	8	270	210	5.4	490	400	370	310	240	6.2	5.6	400	310		
2	3-0	5	10	340	250	6.8	590	480	340	390	290	7.8	6.8	500	390		
2 1/4	3-3	5	12	490	360	8.8	840	690	490	560	420	11.0	9.7	700	560		
2 1/2	4-0	7	14	690	490	13.0	1100	920	660	760	570	15.0	13.0	1100	780		
2 3/4	4-4	8	16	830	640	17.0	1500	1200	850	880	740	18.0	17.0	1400	980		
3	5-0	9	18	1000	780	20.0	1800	1500	1000	1200	900	24.0	21.0	1700	1200		
3 1/4	5-6	10	20	1300	960	26.0	2200	1800	1300	1500	1100	30.0	26.0	2100	1500		
3 1/2	5-0	11	22	1500	1100	30.0	2700	2200	1500	1800	1300	36.0	31.0	2500	1800		
3 3/4	7-0	12	24	1800	1400	36.0	3200	2600	1800	2100	1600	42.0	36.0	3000	2100		
4	8-0	13	26	2000	1500	40.0	3600	3000	2000	2300	1700	48.0	40.0	3500	2300		
4 1/4	8-0	14	28	2500	1800	50.0	4300	3500	2500	2800	2100	58.0	48.0	4000	2800		
4 1/2	9-0	16	32	3200	2400	64.0	5500	4500	3200	3700	2700	74.0	60.0	5200	3700		
4 3/4	10-0	18	36	4000	3000	80.0	6900	5600	4000	4600	3400	92.0	78.0	6500	4600		
5	11-0	20	40	4900	3600	96.0	8400	6800	4800	5600	4200	112.0	87.0	7900	5600		
5 1/4	12-0	22	44	5800	4300	116.0	10100	8200	5800	6700	5000	134.0	116.0	9400	6700		
5 1/2	13-0	24	48	6800	5100	136.0	11800	9700	6800	7900	6000	156.0	136.0	11100	7900		
5 3/4	17-0	32	64	7700	5600	154.0	13400	10900	7700	8900	6600	177.0	153.0	12500	8900		
6	19-0	36	72	8800	6300	177.0	15300	12500	8800	10200	7600	203.0	176.0	14400	10200		
6 1/4	21-0	40	80	10000	7200	201.0	17400	14300	10000	11500	8700	231.0	200.0	16300	11500		
6 1/2	23-0	45	90	11300	8100	226.0	19500	16000	11300	13000	9700	259.0	224.0	18300	13000		

\*Rated capacities of choker hitches apply when the angle of choke is greater than 135°.

\*\*Rated capacities of socket hitches are based on a minimum diameter of curvature at the point of load contact of 20 times the rope diameter.

For approximate capacities using Fiber Core IPS, deduct 10% from IPS IWRC strengths.

For approximate capacities on Hand Braided Slings, deduct 15% from corresponding mechanically swaged strengths.

For approximate capacities on Socket Attachments, add 5% to corresponding IWRC swaged strengths.

Wire Rope Dia. Inches	Heavy Duty Turnbuckle		Alloy Hook Size Tons		Carbon Shackle With Thimble Size Inches		Open Swaged Socket		Closed Swaged Socket	
	Width Inches	Length Inches	For IPS	For EIPS	For IPS	For EIPS	Pin Size Inches	Jaw Size Inches	Hook Dia. Inches	Head Opening Inches
8 - 18 WITH 1 W R C										
1/2	1/2	1 1/2	1	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1 1/4	2 1/4	2	2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
1	1 1/2	2 3/4	3	3	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
1 1/4	1 3/4	3 1/2	4 1/2	4 1/2	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
1 1/2	2	3 1/2	5 1/2	5 1/2	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
1 3/4	2 1/4	4 1/4	6 1/2	6 1/2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
2	2 1/2	4 3/4	7 1/2	7 1/2	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
2 1/4	3	5 1/4	8 1/2	8 1/2	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
2 1/2	3 1/4	5 3/4	9 1/2	9 1/2	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
3	3 1/2	6 1/4	10 1/2	10 1/2	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
3 1/4	3 3/4	6 3/4	11 1/2	11 1/2	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
3 1/2	4	7 1/4	12 1/2	12 1/2	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4
3 3/4	4 1/4	7 3/4	13 1/2	13 1/2	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4	13 3/4
4	4 1/2	8 1/4	14 1/2	14 1/2	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4	14 3/4
4 1/4	4 3/4	8 3/4	15 1/2	15 1/2	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4
4 1/2	5	9 1/4	16 1/2	16 1/2	16 3/4	16 3/4	16 3/4	16 3/4	16 3/4	16 3/4
4 3/4	5 1/4	9 3/4	17 1/2	17 1/2	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4	17 3/4
5	5 1/2	10 1/4	18 1/2	18 1/2	18 3/4	18 3/4	18 3/4	18 3/4	18 3/4	18 3/4
5 1/4	5 3/4	10 3/4	19 1/2	19 1/2	19 3/4	19 3/4	19 3/4	19 3/4	19 3/4	19 3/4
5 1/2	6	11 1/4	20 1/2	20 1/2	20 3/4	20 3/4	20 3/4	20 3/4	20 3/4	20 3/4
5 3/4	6 1/4	11 3/4	21 1/2	21 1/2	21 3/4	21 3/4	21 3/4	21 3/4	21 3/4	21 3/4
6	6 1/2	12 1/4	22 1/2	22 1/2	22 3/4	22 3/4	22 3/4	22 3/4	22 3/4	22 3/4
6 1/4	6 3/4	12 3/4	23 1/2	23 1/2	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4	23 3/4
6 1/2	7	13 1/4	24 1/2	24 1/2	24 3/4	24 3/4	24 3/4	24 3/4	24 3/4	24 3/4
6 3/4	7 1/4	13 3/4	25 1/2	25 1/2	25 3/4	25 3/4	25 3/4	25 3/4	25 3/4	25 3/4
7	7 1/2	14 1/4	26 1/2	26 1/2	26 3/4	26 3/4	26 3/4	26 3/4	26 3/4	26 3/4
7 1/4	7 3/4	14 3/4	27 1/2	27 1/2	27 3/4	27 3/4	27 3/4	27 3/4	27 3/4	27 3/4
7 1/2	8	15 1/4	28 1/2	28 1/2	28 3/4	28 3/4	28 3/4	28 3/4	28 3/4	28 3/4
7 3/4	8 1/4	15 3/4	29 1/2	29 1/2	29 3/4	29 3/4	29 3/4	29 3/4	29 3/4	29 3/4
8	8 1/2	16 1/4	30 1/2	30 1/2	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4	30 3/4
8 1/4	8 3/4	16 3/4	31 1/2	31 1/2	31 3/4	31 3/4	31 3/4	31 3/4	31 3/4	31 3/4
8 1/2	9	17 1/4	32 1/2	32 1/2	32 3/4	32 3/4	32 3/4	32 3/4	32 3/4	32 3/4
8 3/4	9 1/4	17 3/4	33 1/2	33 1/2	33 3/4	33 3/4	33 3/4	33 3/4	33 3/4	33 3/4
9	9 1/2	18 1/4	34 1/2	34 1/2	34 3/4	34 3/4	34 3/4	34 3/4	34 3/4	34 3/4
9 1/4	9 3/4	18 3/4	35 1/2	35 1/2	35 3/4	35 3/4	35 3/4	35 3/4	35 3/4	35 3/4
9 1/2	10	19 1/4	36 1/2	36 1/2	36 3/4	36 3/4	36 3/4	36 3/4	36 3/4	36 3/4
9 3/4	10 1/4	19 3/4	37 1/2	37 1/2	37 3/4	37 3/4	37 3/4	37 3/4	37 3/4	37 3/4
10	10 1/2	20 1/4	38 1/2	38 1/2	38 3/4	38 3/4	38 3/4	38 3/4	38 3/4	38 3/4
10 1/4	10 3/4	20 3/4	39 1/2	39 1/2	39 3/4	39 3/4	39 3/4	39 3/4	39 3/4	39 3/4
10 1/2	11	21 1/4	40 1/2	40 1/2	40 3/4	40 3/4	40 3/4	40 3/4	40 3/4	40 3/4
10 3/4	11 1/4	21 3/4	41 1/2	41 1/2	41 3/4	41 3/4	41 3/4	41 3/4	41 3/4	41 3/4
11	11 1/2	22 1/4	42 1/2	42 1/2	42 3/4	42 3/4	42 3/4	42 3/4	42 3/4	42 3/4
11 1/4	11 3/4	22 3/4	43 1/2	43 1/2	43 3/4	43 3/4	43 3/4	43 3/4	43 3/4	43 3/4
11 1/2	12	23 1/4	44 1/2	44 1/2	44 3/4	44 3/4	44 3/4	44 3/4	44 3/4	44 3/4
11 3/4	12 1/4	23 3/4	45 1/2	45 1/2	45 3/4	45 3/4	45 3/4	45 3/4	45 3/4	45 3/4
12	12 1/2	24 1/4	46 1/2	46 1/2	46 3/4	46 3/4	46 3/4	46 3/4	46 3/4	46 3/4
12 1/4	12 3/4	24 3/4	47 1/2	47 1/2	47 3/4	47 3/4	47 3/4	47 3/4	47 3/4	47 3/4
12 1/2	13	25 1/4	48 1/2	48 1/2	48 3/4	48 3/4	48 3/4	48 3/4	48 3/4	48 3/4
12 3/4	13 1/4	25 3/4	49 1/2	49 1/2	49 3/4	49 3/4	49 3/4	49 3/4	49 3/4	49 3/4
13	13 1/2	26 1/4	50 1/2	50 1/2	50 3/4	50 3/4	50 3/4	50 3/4	50 3/4	50 3/4
13 1/4	13 3/4	26 3/4	51 1/2	51 1/2	51 3/4	51 3/4	51 3/4	51 3/4	51 3/4	51 3/4
13 1/2	14	27 1/4	52 1/2	52 1/2	52 3/4	52 3/4	52 3/4	52 3/4	52 3/4	52 3/4
13 3/4	14 1/4	27 3/4	53 1/2	53 1/2	53 3/4	53 3/4				



# WIRE ROPE WIRE ROPE SLINGS

## FLEMISHED EYE AND MECHANICALLY SWAGED.

Diam. Of Wire Rope Inches	Min Length (BL) Of Slings Ft.-In.	Rated Capacities in Tons (PS-IWRC)			Alloy Steels Limit Diam. Inches	Rated Capacities in Tons (EPS-IWRC)			Alloy Steels Limit Diam. Inches
		30°	45°	60°		30°	45°	60°	
1/4	1-2	.87	.79	.68	7/8	1.1	.81	.62	7/8
5/16	1-6	1.56	1.30	.87	7/8	1.7	1.33	1.00	7/8
3/8	2-0	2.72	2.30	1.26	7/8	2.5	2.00	1.40	7/8
1/2	1-10	3.90	3.15	2.30	7/8	4.4	3.60	2.60	7/8
5/8	2-4	4.90	4.08	2.70	1	6.6	4.80	3.10	1
3/4	3-0	5.90	4.89	3.40	1	8.8	5.90	3.90	1
7/8	3-11	6.40	5.30	4.00	1 1/4	9.7	7.30	4.80	1 1/4
1	3-5	11.00	9.30	6.60	1 1/2	13.0	11.00	7.80	1 1/2
1 1/8	4-0	15.00	12.00	8.50	1 3/4	17.00	14.00	9.8	1 3/4
1 1/4	4-6	18.00	15.00	10.00	1 3/4	21.0	17.00	12.00	1 3/4
1 1/2	4-8	22.00	18.00	13.00	2	26.0	21.00	15.00	2
1 3/4	5-0	27.00	22.00	15.00	2 1/4	31.0	25.00	18.00	2 1/4
2	5-6	32.00	26.00	18.00	2 1/2	36.0	30.00	21.00	2 1/2
2 1/4	6-0	38.00	31.00	20.00	2 3/4	43.0	35.00	23.00	2 3/4
2 1/2	6-4	43.00	35.00	23.00	2 3/4	49.0	40.00	26.00	2 3/4
2 3/4	6-8	55.00	45.00	30.00	3	63.0	52.00	33.00	3
3	7-0	68.00	56.00	40.00	3 1/2	79.0	65.00	43.00	3 1/2
3 1/2	10-0	94.00	80.00	48.00	3 1/2	87.0	70.00	50.00	4

For approximate capacities using Fiber Core (FC) (educt 12% from PS-IWRC strengths.  
For approximate capacities on Hand Swaged Slings (educt 15% from corresponding mechanically swaged strengths.  
For approximate capacities on Sucker Attachments (educt 5% from corresponding IWRC swaged strengths.



## PERTINENT DIMENSIONS FOR END FITTINGS

Diam. Of Wire Rope Inches	Standard Loop Inside		Heavy Duty Thimble Inside		Alloy Hook Size-Tons For PS For EPS		Carbon Shackles Size-Inches For PS For EPS		Hut Thimble Inside Loop		Open Swage Socket		Closed Swage Socket	
	Width Inches	Length Inches	Width Inches	Length Inches	PS	EPS	PS	EPS	Width Inches	Length Inches	Pin Diam. Inches	Jaw Opening Inches	Pin Diam. Inches	Head Thickness Inches
Ø = 19 with IWRC														
1/4	2	4	1 1/2	1 1/2	1 1/2	1	5/8	3/4	—	—	1 1/4	1 1/4	3/4	1 1/2
5/16	2 1/2	5	1 1/2	1 1/2	1 1/2	1 1/2	3/4	3/4	—	—	1 1/4	1 1/4	1 1/4	1 1/2
3/8	3	6	1 1/2	2 1/2	2	2	1 1/4	1 1/4	2	4	1 1/4	1 1/4	1 1/4	1 1/2
1/2	3 1/2	7	1 1/2	2 1/2	3	3	1 1/2	1 1/2	2 1/2	5	1	1	1 1/4	1 1/2
5/8	4	8	1 1/2	2 1/2	3	3	1 1/2	1 1/2	2 1/2	5 1/2	1	1	1 1/4	1 1/2
3/4	4 1/2	9	1 1/2	2 1/2	4 1/2	4 1/2	1 1/2	1 1/2	2 1/2	5 1/2	1 1/4	1 1/4	1 1/4	1 1/2
7/8	5	10	1 1/2	2 1/2	4 1/2	4 1/2	1 1/2	1 1/2	2 1/2	7	1 1/4	1 1/4	1 1/4	1 1/2
1	6	12	2	3 1/2	7	7	1 1/2	1 1/2	2 1/2	9	1 1/4	1 1/4	1 1/4	1 1/2
1 1/8	7	14	2 1/4	4 1/2	11	11	1	1	4 1/2	10 1/2	1 1/4	1 1/4	1 1/4	1 1/2
1 1/4	8	16	2 1/4	4 1/2	11	15	1	1 1/2	4 1/2	12	2	2	2 1/4	1 1/2
1 1/2	9	18	2 1/4	5 1/2	15	22	1 1/2	1 1/2	4 1/2	13 1/2	2 1/4	2 1/4	2 1/4	2
Ø = 37 with IWRC														
1 1/2	10	20	2 3/4	5 1/4	22	22	1 1/2	1 1/2	5 1/2	15	2 1/4	2 1/4	2 1/4	2 1/2
1 3/4	11	22	3 1/4	6 1/4	22	30	1 1/2	1 1/2	6	17	2 1/4	2 1/4	2 1/4	2 1/2
2	12	24	3 1/4	6 1/4	30	30	1 1/2	1 1/2	6 1/2	16	2 1/4	3	2 1/4	2 1/2
1 1/4	13	26	4	8	30	30	1 1/2	1 1/2	6 1/2	16	3 1/4	3 1/4	3 1/4	3
1 1/2	14	28	4 1/2	8	37	37	1 1/2	1 1/2	2	7	2 1/4	3 1/4	3 1/4	3
2	16	32	6	12	45	60	2	2 1/2	7	7	2 1/4	3 1/4	4	3 1/4
2 1/4	18	36	7	14	60	60	2 1/2	2 1/2	8 1/2	25 1/2	4 1/4	4 1/4	4 1/4	4
2 1/2	20	40	—	—	—	—	2 1/2	3	8 1/2	26 1/2	4 1/4	4 1/4	4 1/4	4
2 3/4	22	44	—	—	—	—	3	3	10	30	—	—	—	—
3	24	48	—	—	—	—	3	3	10	32	—	—	—	—
3 1/4	—	—	—	—	—	—	3 1/2	3 1/2	—	—	—	—	—	—
3 1/2	—	—	—	—	—	—	3 1/2	3 1/2	—	—	—	—	—	—
3 3/4	—	—	—	—	—	—	3 3/4	4	—	—	—	—	—	—
4	—	—	—	—	—	—	4	4	—	—	—	—	—	—



FLEMISHED EYE & MECHANICALLY SWAGED

Diam. Of Wire Rope Inches	Min. Length (5:1) Of Slng Ft.-In.	Rated Capacities in Tons IPS-WIRC			Alloy Oiling Link Dia. Inches	Rated Capacities in Tons EPS-WIRC			Alloy Oiling Link Diam. Inch
		30°	45°	60°		30°	45°	60°	
1/4	1-0	1.4	1.2	.84	1.2	1.8	1.4	.87	1.2
5/16	1-6	2.3	1.8	1.30	5/8	2.8	2.1	1.30	3/4
3/8	1-8	3.2	2.5	1.80	3/4	3.7	3.0	2.20	3/4
7/16	1-10	4.4	3.5	2.50	1	5.1	4.1	2.80	1
1/2	2-0	6.7	4.6	3.30	1	6.8	5.3	3.80	1
9/16	2-2	7.1	5.8	4.10	1	8.3	6.5	4.70	1
5/8	2-4	8.8	7.2	5.10	1 1/4	10.0	8.2	5.90	1 1/4
3/4	2-8	13.0	10.5	7.30	1 1/2	14.8	12.0	8.40	1 1/2
7/8	3-3	17.2	14.2	9.90	1 3/4	20.2	16.0	11.00	1 3/4
1	3-6	22.8	18.0	13.00	2	25.0	21.0	13.00	2 1/4
1 1/8	4-0	27.0	22.5	16.00	2 1/4	31.0	25.0	16.00	2 1/2
1 1/4	4-6	33.0	27.5	19.00	2 1/4	38.0	31.0	21.00	2 1/2
1 3/8	5-0	40.0	33.0	23.00	2 3/4	46.0	38.0	25.00	3
1 1/2	5-6	47.0	39.0	26.00	2 3/4	55.0	45.0	30.00	3
1 5/8	6-0	53.0	43.0	31.00	3	61.0	49.0	36.00	3 1/4
1 3/4	6-6	64.0	52.0	38.00	3 1/4	73.0	60.0	40.00	3 1/2
2	8-0	83.0	67.0	48.00	3 3/4	96.0	76.0	53.00	4
2 1/4	8-6	103.0	84.0	58.00	4	118.0	96.0	67.00	4 1/2
2 1/2	10-0	126.0	102.0	72.00	4 1/2	145.0	118.0	80.00	5



For approximate capacities using Fiber Core (FC) deduct 10% from IPS-WIRC strengths.  
For approximate capacities on Hand Braided Slings: deduct 15% from corresponding mechanically swaged strengths.  
For approximate capacities on Socket Attachments: add 5% to corresponding IWIRC swaged strengths.

Diam. Of Wire Rope Inches	Standard Loop Holds		Heavy Duty Thimble Holds		Alloy Hook Size-Tons		Carbon Shackle Size-Inches		Hull Thimble Inside Loop		Open Swage Socket Pin Jaw		Closed Swage Socket Hubs Head	
	Width Inches	Length Inches	Width Inches	Length Inches	For IPS	For EPS	For IPS	For EPS	Width Inches	Length Inches	Pin Diam. Inches	Jaw Clearing Inches	Hubs Diam. Inches	Head Thickness Inches
Ø x 15 With IWIRC														
1/4	2	4	7/8	1 5/8	1	1	5/16	5/16	--	--	11/16	1 1/16	3/4	1/2
5/16	2 1/2	5	1 1/4	1 7/8	1 1/2	1 1/2	3/8	3/8	--	--	13/16	1 3/16	7/8	1 1/16
3/8	3	6	1 1/8	2 1/8	2	2	7/16	7/16	2	4	13/16	1 5/16	7/8	1 1/16
7/16	3 1/2	7	1 1/4	2 3/8	3	3	1/2	1/2	2 1/4	5	1	1	1 1/8	7/8
1/2	4	8	1 1/2	2 3/4	3	4	1/2	5/8	3 1/4	5 1/2	1	1	1 1/8	7/8
9/16	4 1/2	9	1 1/2	2 3/4	4 1/2	4 1/2	5/8	5/8	2 1/4	3 1/2	1 1/8	1 1/4	1 1/4	1 1/8
5/8	5	10	1 3/4	3 1/4	4 1/2	7	3/4	3/4	2 1/4	7	1 5/16	1 5/8	1 1/4	1 1/8
3/4	6	12	2	3 3/4	7	11	7/8	7/8	3 1/4	8	1 5/8	1 1/2	1 1/4	1 5/16
7/8	7	14	2 1/4	4 1/4	11	11	1	1	4 1/2	10 1/2	1 5/8	1 3/4	1 1 1/16	1 1/2
1	8	16	2 1/2	4 1/2	11	18	1	1 1/4	4 1/2	12	2	2	2 1/16	1 3/4
1 1/8	9	18	2 7/8	5 1/8	15	22	1 1/4	1 1/4	4 5/8	13 1/2	2 1/4	2 1/4	2 5/16	2
Ø x 17 With IWIRC														
1 1/4	10	20	3 1/8	5 1/8	20	27	1 3/8	1 1/2	5 1/2	15	2 1/2	2 1/2	2 5/16	2 1/4
1 3/8	11	22	3 1/2	6 1/4	22	30	1 1/2	1 3/4	6	17	2 1/2	2 1/2	2 5/16	2 1/4
1 1/2	12	24	3 1/2	6 1/4	20	28	1 3/4	1 3/4	6 1/2	18	2 3/4	3	3 1/16	2 1/2
1 5/8	13	26	4	6	20	30	1 3/4	1 5/8	6 1/2	18	3 1/2	3 1/2	3 5/16	2
1 3/4	14	28	4 1/2	6	27	37	1 3/4	2	7	21 1/2	3 1/2	3 1/2	3 5/16	3
2	16	32	6	12	45	60	2	2 1/2	7	24 1/2	3 3/4	4	3 15/16	3 1/4
2 1/4	18	36	7	14	60	80	2 1/2	2 1/2	8 1/2	25 1/2	4 1/4	4 1/4	4 5/16	4
2 1/2	20	40	--	--	--	--	2 1/2	3	8 1/2	28 1/2	4 1/4	4 1/4	4 5/16	4
2 3/4	--	--	--	--	--	--	3	3	--	--	--	--	--	--
3	--	--	--	--	--	--	3	3	--	--	--	--	--	--
3 1/4	--	--	--	--	--	--	3	3 1/2	--	--	--	--	--	--
3 1/2	--	--	--	--	--	--	3 1/2	3 1/2	--	--	--	--	--	--
3 3/4	--	--	--	--	--	--	3 1/2	4	--	--	--	--	--	--
4	--	--	--	--	--	--	4	4	--	--	--	--	--	--



# WIRE ROPE WIRE ROPE SLINGS

## FLEMISHED EYE & MECHANICALLY SWAGED

Diam. Of Wire Rope Inches	Min. Length (SL) Of Slings Ft.-In.	Rated Capacities in Tons IPS-IWRC*			Alloy Oblong Links Diam. Inches	Rated Capacities in Tons EIPS-IWRC*			Alloy Oblong Links Diam. Inch
		↘ 30°	↘ 45°	↘ 60°		↘ 30°	↘ 45°	↘ 60°	
1/4	1-3	1.9	1.6	1.1	5/8	2.2	1.8	1.3	3/4
5/16	1-6	3.0	2.5	1.7	3/4	3.5	2.8	2.0	1
3/8	1-8	4.3	3.5	2.4	1	5.0	4.0	2.8	1
7/16	1-10	5.8	4.8	3.4	1 1/4	6.7	5.5	4.0	1 1/4
1/2	2-0	7.6	6.2	4.4	1 1/2	8.7	7.1	5.0	1 1/2
9/16	2-2	9.5	7.8	5.4	1 1/2	11.0	9.0	6.2	1 1/2
5/8	2-4	12.0	9.6	6.8	1 1/2	13.0	11.0	7.8	1 3/4
3/4	2-6	17.0	14.0	9.8	2	19.0	16.0	11.0	2
7/8	3-3	23.0	18.0	13.0	2	26.0	21.0	15.0	2 1/4
1	3-6	29.0	24.0	17.0	2 1/4	34.0	28.0	20.0	2 1/2
1 1/8	4-0	36.0	29.0	20.0	2 3/4	42.0	34.0	24.0	3
1 1/4	4-6	44.0	35.0	25.0	2 3/4	51.0	42.0	30.0	3 1/4
1 3/8	5-0	53.0	44.0	30.0	4	61.0	50.0	36.0	4
1 1/2	5-6	63.0	52.0	36.0	4	73.0	60.0	42.0	4 1/4
1 5/8	6-0	74.0	61.0	40.0	4	86.0	70.0	46.0	4 1/2
1 3/4	6-6	85.0	69.0	50.0	4	98.0	80.0	55.0	4 1/2
2	8-0	110.0	90.0	64.0	4 3/4	126.0	104.0	74.0	5
2 1/4	8-9	138.0	112.0	80.0	5	158.0	130.0	92.0	5 1/2
2 1/2	10-0	168.0	136.0	96.0	5 1/2	194.0	158.0	112.0	6



For approximate capacities using Fiber Core IPS; deduct 40% from IPS-IWRC strengths.

For approximate capacities on Hand Braided Slings; deduct 15% from corresponding mechanically swaged strengths.

For approximate capacities on Socket Attachments; add 5% to corresponding IWRC swaged strengths.

\*These ratings refer to an evenly balanced load between the four legs.

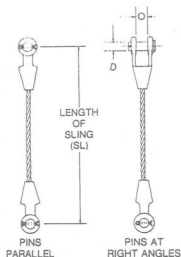
In most instances, the ratings for a 3-leg sling should be used to accommodate for an unevenly balanced load.

Diam. Of Wire Rope Inches	Standard Loop Inside		Heavy Duty Thimble Inside		Alloy Hook Size-Tons		Carbon Shackle Size-Inches		Half Thimble Inside Loop		Open Socket Pin Jaw		Closed Swage Socket Hole Head	
	Width Inches	Length Inches	Width Inches	Length Inches	For IPS	For EIPS	For IPS	For EIPS	Width Inches	Length Inches	Diam. Inches	Opening Inches	Diam. Inches	Head Thickness Inches
6 x 19 With IWRC														
1/4	2	4	7/8	1 5/8	1	1	5/16	5/16	--	--	11/16	11/16	3/4	1/2
5/16	2 1/2	5	1 1/16	1 7/8	1 1/2	1 1/2	3/8	3/8	--	--	13/16	13/16	7/8	11/16
3/8	3	6	1 1/8	2 1/8	2	2	7/16	7/16	2	4	13/16	13/16	7/8	11/16
7/16	3 1/2	7	1 1/4	2 3/8	3	3	1/2	1/2	2 1/4	5	1	1	1 1/16	7/8
1/2	4	8	1 1/2	2 3/4	3	4 1/2	5/8	5/8	2 1/4	5 1/2	1	1	1 1/16	7/8
9/16	4 1/2	9	1 1/2	2 3/4	4 1/2	4 1/2	5/8	5/8	2 1/4	5 1/2	1 3/16	1 1/4	1 1/4	1 1/8
5/8	5	10	1 3/4	3 1/4	4 1/2	7	3/4	3/4	3 1/4	7	1 3/16	1 1/4	1 1/4	1 1/8
3/4	6	12	2	3 3/4	7	11	7/8	7/8	3 1/4	9	1 3/8	1 1/2	1 7/16	1 5/16
7/8	7	14	2 1/4	4 1/4	11	11	1	1	4 1/2	10 1/2	1 5/8	1 3/4	1 11/16	1 1/2
1	8	16	2 1/2	4 1/2	11	15	1	1 1/4	4 1/2	12	2	2	2 1/16	1 3/4
1 1/8	9	18	2 7/8	5 1/8	15	22	1 1/4	1 1/4	4 5/8	13 1/2	2 1/4	2 1/4	2 5/16	2
6 x 37 With IWRC														
1 1/4	10	20	2 7/8	5 1/8	22	22	1 3/8	1 1/2	5 1/2	15	2 1/2	2 1/2	2 9/16	2 1/4
1 3/8	11	22	3 1/2	6 1/4	22	30	1 1/2	1 3/4	6	17	2 1/2	2 1/2	2 9/16	2 1/4
1 1/2	12	24	3 1/2	6 1/4	30	30	1 3/4	1 3/4	6 1/2	18	2 3/4	3	2 13/16	2 1/2
1 5/8	13	26	4	8	30	30	1 3/4	1 3/4	6 1/2	18	3 1/2	3 1/2	3 9/16	3
1 3/4	14	28	4 1/2	9	37	37	1 3/4	2	7	21 1/2	3 1/2	3 1/2	3 9/16	3
2	16	32	6	12	45	60	2	2 1/2	7	24 1/2	3 3/4	4	3 13/16	3 1/4
2 1/4	18	36	7	14	60	60	2 1/2	2 1/2	8 1/2	25 1/2	4 1/4	4 1/4	4 5/16	4
2 1/2	20	40	--	--	--	--	2 1/2	3	8 1/2	26 1/2	4 1/4	4 1/4	4 5/16	4
2 3/4	--	--	--	--	--	--	3	3	--	--	--	--	--	--
3	--	--	--	--	--	--	3	3	--	--	--	--	--	--
3 1/4	--	--	--	--	--	--	3	3 1/2	--	--	--	--	--	--
3 1/2	--	--	--	--	--	--	3 1/2	3 1/2	--	--	--	--	--	--
3 3/4	--	--	--	--	--	--	3 1/2	4	--	--	--	--	--	--
4	--	--	--	--	--	--	4	4	--	--	--	--	--	--

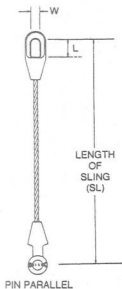
# WIRE ROPE BOOM PENDANTS



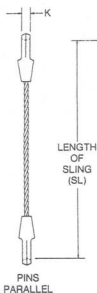
## OPEN SOCKETS 11-8-8



## OPEN AND CLOSED SOCKETS 11-8-9



## CLOSED SOCKETS 11-9-9



Diam. of Rope  in.	Min. Length (SL) of Sling ft.-in.	Rated Capacities* in Tons (2000 lb)						Open Sockets		Closed Sockets		
		IPS -- Fiber Core			IPS -- IWRC			O	D	W	L	K
		Single Part Vertical	Two Slings When Used		Single Part Vertical	Two Slings When Used						
			30'	45'		30'	45'					
3/8	1-0	1.2	2.1	1.7	1.3	2.3	1.8	13/16	13/16	15/16	2 1/16	5/8
1/2	1-3	2.1	3.7	3.0	2.3	4.0	3.2	1	1	1 1/8	2 5/16	7/8
5/8	1-6	3.3	5.8	4.7	3.6	6.2	5.1	1 1/4	1 3/16	1 3/8	2 9/16	1
3/4	1-9	4.8	8.2	6.7	5.1	8.9	7.2	1 1/2	1 3/8	1 5/8	3 1/16	1 1/4
7/8	2-0	6.4	11	9.1	6.9	12	9.8	1 3/4	1 5/8	1 7/8	3 9/16	1 1/2
1	2-6	8.4	14	12	9.0	15	13	2	2	2 1/4	4 1/16	1 3/4
1 1/8	2-9	10	18	15	11	19	16	2 1/4	2 1/4	2 1/2	4 9/16	2
1 1/4	3-0	13	22	18	14	24	20	2 1/2	2 1/2	2 3/4	5 1/8	2 1/4
1 3/8	3-0	15	27	22	17	29	24	2 1/2	2 1/2	2 3/4	5 1/8	2 1/4
1 1/2	3-3	18	32	26	20	34	28	3	2 3/4	3 1/8	6 1/8	2 1/2
1 5/8	3-6	21	37	30	23	40	32	3	3	3 1/4	6 1/2	2 3/4
1 3/4	4-3	25	43	35	27	48	38	3 1/2	3 1/2	3 17/32	7 13/16	3
2	4-9	32	55	45	34	59	49	4	3 3/4	3 25/32	8 13/16	3 1/4
2 1/4	5-0	40	69	56	43	74	61	4 1/2	4 1/4	4 9/32	9 3/4	3 5/8
2 1/2	5-9	49	84	69	52	91	74	5	4 3/4	5 3/8	11	4

Sockets available 2 3/4" thru 6" upon request