





# Wire Rope Load Limits

## Single Leg Slings (Capacity – Tons)




## Multiple Leg Slings (Capacity – Tons)

Rope Dia.				Approx. Loop Size									
	Vertical	Choker	Basket		2 Legs			3 Legs			4 Legs		
					60°	45°	30°	60°	45°	30°	60°	45°	30°
1/4"	0.65	0.48	1.3	2" x 4"	1.1	0.92	0.65	1.7	1.4	0.97	2.2	1.8	1.3
3/8"	1.4	1.1	2.9	3" x 6"	2.5	2.0	1.4	3.7	3.0	2.2	5	4.1	2.9
<b>6 x</b> <b>19</b> <b>XIP</b> <b>IWRC</b> 1/2"	2.5	1.9	5.1	4" x 8"	4.4	3.6	2.5	6.6	5.4	3.8	8.8	7.1	5.1
5/8"	3.9	2.9	7.8	5" x 10"	6.8	5.5	3.9	10	8.3	5.9	14	11	7.8
3/4"	5.6	4.1	11	6" x 12"	9.7	7.9	5.6	15	12	8.4	19	16	11
7/8"	7.6	5.6	15	7" x 14"	13	11	7.6	20	16	11	26	21	15
1"	9.8	7.2	20	8" x 16"	17	14	9.8	26	21	15	34	28	20
1-1/8"	12	9.1	24	9" x 18"	21	17	12	31	26	18	42	34	24
1-1/4"	15	11	30	10" x 20"	26	21	15	38	31	22	51	42	30
1-3/8"	18	13	36	11" x 22"	31	25	18	46	38	27	62	50	36
<b>6 x</b> <b>37</b> <b>IWRC</b> 1-1/2"	21	16	42	12" x 24"	37	30	21	55	45	32	73	60	42
1-3/4"	28	21	57	14" x 28"	49	40	28	74	60	42	98	80	57
2"	37	28	73	16" x 32"	63	52	37	95	78	55	127	104	73
2-1/4"	44	35	89	18" x 36"	77	63	44	116	94	67	154	126	89

Rated load based on pin diameter no larger than one half the natural eye length or not less than the nominal sling diameter. Basket hitch capacity based on minimum D/d ratio of 25/1. For choker hitch, the angle of choke shall be 120 degrees or greater. For [sling angles](#) other than those shown, use the rated load for the next lower angle or a qualified person shall calculate the rated load. **Horizontal sling angles of less than 30 degrees are not recommended.** The capacity of a bridle at a 30 degree horizontal is same as single vertical leg.

# NOMINAL SLING STRENGTH

RATED CAPACITY IN TONS OF 2,000 LBS. RATED CAPACITIES SHOWN APPLY ONLY TO 6X19 AND 6X37 CLASSIFICATION WIRE ROPE.

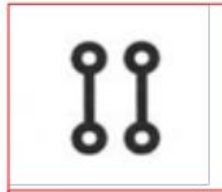
ROPE DIA. (IN)	VERTICAL	CHOKER	BASKET
	 EIPS	 EIPS	 EIPS
1/4	0.65	0.48	1.3
5/16	1.0	0.74	2.0
3/8	1.4	1.1	2.9
7/16	1.9	1.4	3.9
1/2	2.5	1.9	5.1
9/16	3.2	2.4	6.4
5/8	3.9	2.9	7.8
3/4	5.6	4.1	11
7/8	7.6	5.6	15
1	9.8	7.2	20
1 1/8	12	9.1	24
1 1/4	15	11	30
1 3/8	18	13	36
1 1/2	21	16	42
1 5/8	24	18	49
1 3/4	28	21	57
1 7/8	32	24	64
2	37	28	73
2 1/8	40	31	80
2 1/4	44	35	89
2 3/8	49	38	99
2 1/2	54	42	109
2 5/8	60	46	119
2 3/4	65	51	130
2 7/8	71	55	141
3	77	60	153
3 1/8	82	64	165
3 1/4	89	69	177
3 3/8	95	74	190
3 1/2	102	79	203

# 1- PART SLINGS 2-LEG BRIDLE

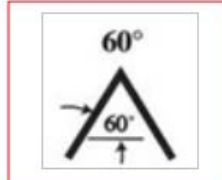
RATED CAPACITY IN TONS OF 2,000 LBS.

RATED CAPACITIES SHOWN APPLY ONLY TO 6X19 AND 6X37 CLASSIFICATION WIRE ROPE.

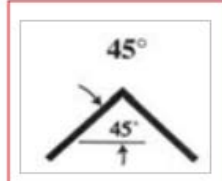
ROPE DIA. (IN)	VERTICAL	60 DEGREES	45 DEGREES	30 DEGREES
	EIPS	EIPS	EIPS	EIPS
1/4	1.3	1.1	0.91	0.65
5/16	2.0	1.7	1.4	1.0
3/8	2.9	2.5	2.0	1.4
7/16	3.9	3.4	2.7	1.9
1/2	5.1	4.4	3.6	2.5
9/16	6.4	5.5	4.5	3.2
5/8	7.8	6.8	5.5	3.9
3/4	11	9.7	7.9	5.6
7/8	15	13	11	7.6
1	20	17	14	9.8
1 1/8	24	21	17	12
1 1/4	30	26	21	15
1 3/8	36	31	25	18
1 1/2	42	37	30	21
1 5/8	49	42	35	24
1 3/4	57	49	40	28
1 7/8	64	56	46	32
2	73	63	52	37
2 1/8	80	69	56	40
2 1/4	89	77	63	44
2 3/8	99	85	70	49
2 1/2	109	94	77	54
2 5/8	119	103	84	60
2 3/4	130	113	92	65
2 7/8	141	122	100	71
3	153	133	108	77
3 1/8	165	143	117	82
3 1/4	177	153	125	89
3 3/8	190	165	135	95
3 1/2	203	176	144	102



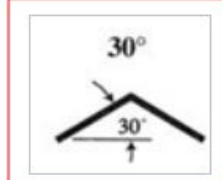
VERTICAL



60 DEGREES



45 DEGREES



30 DEGREES

Rated capacities basket hitch based on d/d ratio of 25.


Rated capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.

# 1-PART SLINGS 3-LEG BRIDLE

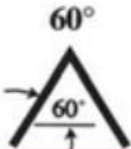
RATED CAPACITY IN TONS OF 2,000 LBS.

RATED CAPACITIES SHOWN APPLY ONLY TO 6X19 AND 6X37 CLASSIFICATION WIRE ROPE

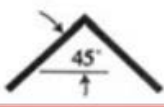
ROPE DIA. (IN)	VERTICAL	60 DEGREES	45 DEGREES	30 DEGREES
	EIPS	EIPS	EIPS	EIPS
1/4	1.9	1.7	1.4	0.97
5/16	3.0	2.6	2.1	1.5
3/8	4.3	3.7	3.0	2.2
7/16	5.8	5.0	4.1	2.9
1/2	7.6	6.6	5.4	3.8
9/16	9.6	8.3	6.8	4.8
5/8	12	10	8.3	5.9
3/4	17	15	12	8.4
7/8	23	20	16	11
1	29	26	21	15
1 1/8	36	31	26	18
1 1/4	44	38	31	22
1 3/8	53	46	38	27
1 1/2	63	55	45	32
1 5/8	73	63	52	37
1 3/4	85	74	60	42
1 7/8	97	84	68	48
2	110	95	78	55
2 1/8	119	103	84	60
2 1/4	133	116	94	67
2 3/8	148	128	105	74
2 1/2	163	141	115	82
2 5/8	179	155	126	89
2 3/4	195	169	138	97
2 7/8	212	183	150	106
3	230	199	162	115
3 1/8	247	214	175	124
3 1/4	266	230	188	133
3 3/8	286	247	202	143
3 1/2	305	264	215	152



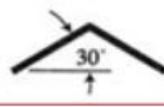
VERTICAL



60 DEGREES



45 DEGREES



30 DEGREES

Rated capacities basket hitch based on d/d ratio of 25.

Rated capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter. Rated capacities based on design factor of 5.

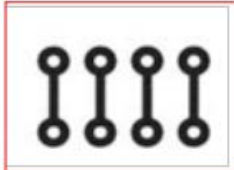
Horizontal sling angles less than 30 degrees shall not be used.

# 1- PART SLINGS 4-LEG BRIDLE

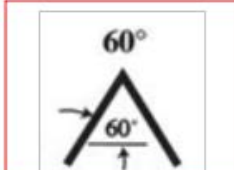
RATED CAPACITY IN TONS OF 2,000 LBS.

RATED CAPACITIES SHOWN APPLY ONLY TO 6X19 AND 6X37 CLASSIFICATION WIRE ROPE

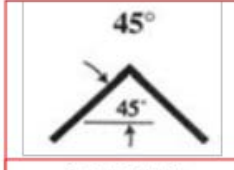
ROPE DIA. (IN)	VERTICAL	60 DEGREES	45 DEGREES	30 DEGREES
	EIPS	EIPS	EIPS	EIPS
1/4	2.2	1.9	1.6	1.1
5/16	3.5	3.0	2.5	1.7
3/8	5.0	4.3	3.5	2.5
7/16	6.7	5.8	4.8	3.4
1/2	8.7	7.5	6.2	4.4
9/16	11	9.5	7.8	5.5
5/8	14	12	9.6	6.8
3/4	19	17	14	9.7
7/8	26	23	19	13
1	33	29	23	17
1 1/8	42	36	29	21
1 1/4	51	44	36	26
1 3/8	62	53	44	31
1 1/2	73	63	52	36
1 5/8	85	73	60	42
1 3/4	98	85	69	49
1 7/8	112	97	79	56
2	127	110	90	63



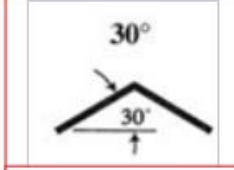
VERTICAL



60 DEGREES



45 DEGREES



30 DEGREES

# STRAND MECHANICAL SPLICE VERTICAL, CHOKER OR VERTICAL BASKET

RATED CAPACITY IN TONS OF 2,000 LBS.

RATED CAPACITIES SHOWN APPLY ONLY TO 6X19 AND 6X37 CLASSIFICATION WIRE ROPE.

ROPE DIA. (IN)	VERTICAL	CHOKER	BASKET
	EIPS	EIPS	EIPS
1/4	1.1	0.74	2.1
5/16	1.6	1.2	3.3
3/8	2.4	1.6	4.7
7/16	3.2	2.2	6.4
1/2	4.1	2.9	8.3
9/16	5.2	3.7	10
5/8	6.4	4.5	13
3/4	9.2	6.4	18
7/8	12	8.7	25
1	16	11	32
1 1/8	20	14	41
1 1/4	25	17	50
1 3/8	30	21	60
1 1/2	36	25	71
1 5/8	41	29	82
1 3/4	48	33	95
1 7/8	54	38	109
2	62	43	124
2 1/8	69	48	138
2 1/4	77	54	154
2 3/8	85	60	171
2 1/2	94	66	188
2 5/8	103	72	207
2 3/4	113	79	225
2 7/8	122	86	245
3	133	93	265

