LGH
THE LIFTING EXPERTS

800.878.7305 www.rentlgh.com rentals@rentlgh.com

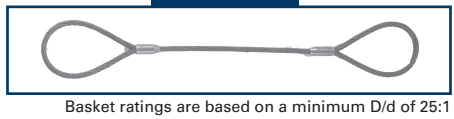
Sling Capacities

Wire Rope Slings w/EIP & IWRC

Wire Rope Class	Rope Dia (in.)	Min Sling Length For 6x19 EIP, IWRC	Standard Eye Size (in.) WxL	Single Leg Rated Capacities (Tons) Vertical	Choker	Vertical Basket
6x19 EIP, IWRC	1/4	1' 6"	2 x 4	.65	.48	1.3
	5/16	1' 9"	2 1/2 x 5	1.0	.74	2.0
	3/8	2' 0"	3 x 6	1.4	1.1	2.9
	7/16	2' 3"	3 1/2 x 7	1.9	1.4	3.9
	1/2	2' 6"	4 x 8	2.5	1.9	5.1
	9/16	2' 9"	4 1/2 x 9	3.2	2.4	6.4
	5/8	3' 0"	5 x 10	3.9	2.9	7.8
	3/4	3' 6"	6 x 12	5.6	4.1	11
	7/8	4' 0"	7 x 14	7.6	5.6	15
	1	4' 6"	8 x 16	9.8	7.2	20
	1 1/8	5' 0"	9 x 18	12	9.1	24

Wire Rope Class	Rope Dia (in.)	Min Sling Length For 6x19 EIP, IWRC	Standard Eye Size (in.) WxL	Single Leg Rated Capacities (Tons) Vertical	Choker	Vertical Basket
6x19 EIP, IWRC	1 1/4	5' 6"	10 x 20	15	11	30
	1 3/8	6' 0"	11 x 22	18	13	36
	1 1/2	7' 0"	12 x 24	21	16	42
	1 3/4	8' 0"	14 x 28	28	21	57
	2	9' 0"	16 x 32	37	28	73
	2 1/4	10' 0"	18 x 36	44	35	89
	2 1/2	11' 0"	20 x 40	54	42	109

SINGLE LEG



Basket ratings are based on a minimum D/d of 25:1

⚠WARNING

Slings shall not be loaded in excess of the rated capacity. Consideration shall be given to the effect of angles. Sling capacity decreases as the angle decreases. Slings should not be used at angles of less than 30 degrees from horizontal.

Larger diameter slings available.

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Sling Capacities

Bridle Slings with EIP, IWRC, Wire Rope & Single Body Part

2-LEG BRIDLE

3-LEG BRIDLE

4-LEG BRIDLE

⚠WARNING

Slings shall not be loaded in excess of the rated capacity. Consideration shall be given to the effect of angles. Sling capacity decreases as the angle decreases. Slings should not be used at angles of less than 30 degrees from horizontal.

	Rope Diameter (inches)	Minimum Sling Length	Alloy Eye Hook Capacity (tons)	2-LEG BRIDLE Rated Capacity (tons) 60°	45°	30°	Oblong Link Stock Diameter	3-LEG BRIDLE Rated Capacity (tons) 60°	45°	30°	Oblong Link Stock Diameter	4-LEG BRIDLE Rated Capacity (tons) 60°	45°	30°	Oblong Link Stock Diameter
6 x 19 EIP, IWRC	1/4	1'3"	1	1.1	.91	.65	1/2	1.7	1.4	.97	1/2	2.2	1.8	1.3	1/2
	5/16	1'6"	1	1.7	1.4	1.0	1/2	2.6	2.1	1.5	1/2	3.5	2.8	2.0	3/4
	3/8	1'8"	1-1/2	2.5	2.0	1.4	1/2	3.7	3.0	2.2	3/4	5.0	4.1	2.9	3/4
	7/16	1'10"	2	3.4	2.7	1.9	3/4	5.0	4.1	2.9	3/4	6.7	5.5	3.9	1
	1/2	2'	3	4.4	3.6	2.5	3/4	6.6	5.4	3.8	1	8.8	7.1	5.1	1
	9/16	2'2"	4-1/2	5.5	4.5	3.2	3/4	8.3	6.8	4.8	1	10	9.0	6.4	1-1/4
	5/8	2'4"	4-1/2	6.8	5.5	3.9	1	10	8.3	5.9	1-1/4	14	11	7.8	1-1/2
	3/4	2'9"	7	9.7	7.9	5.6	1-1/4	15	12	8.4	1-1/2	19	16	11	1-3/4
	7/8	3'3"	11	13	11	7.6	1-1/4	20	16	11	1-1/2	26	21	15	2
	1	3'6"	11	17	14	9.8	1-1/2	26	21	15	1-3/4	34	28	20	2-1/4
	1-1/8	4'	15	21	17	12	1-1/2	31	26	18	1-3/4	42	34	24	2-3/4
6 x 37 EIP, IWRC	1-1/4	4'6"	15	26	21	15	1-3/4	38	31	22	2	51	42	30	2-3/4
	1-3/8	5'	22	31	25	18	1-3/4	46	38	27	2-1/4	-	-	-	-
	1-1/2	5'6"	22	37	30	21	2	55	45	32	2-1/4	-	-	-	-
	1-3/4	6'6"	30	49	40	28	2-1/4	-	-	-	-	-	-	-	-
	2	8'	7	63	52	37	2-3/4	-	-	-	-	-	-	-	-

*Minimum length based on thimbled eye and eye hook

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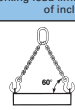
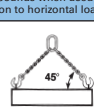
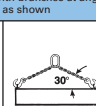
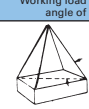
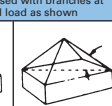
Sling Capacities

Chain Slings: Grade 80 & Grade 100

Single Chain Slings		Double Chain Slings - Type D Working load limit in pounds when used with branches at angle of inclination to horizontal load as shown			Triple Chain Slings - Type T | Quad Chain Slings - Type Q Working load limit in pounds when used with branches at angle of inclination to horizontal load as shown		
Chain Size (in inches)							
SIZE	ON STRAIGHT LIFT	60°	45°	30°	60°	45°	30°
Grade 80							
7/32	2,100 lbs	3,600 lbs	3,000 lbs	2,100 lbs	5,450 lbs	4,450 lbs	3,150 lbs
9/32	3,500 lbs	6,100 lbs	4,900 lbs	3,500 lbs	9,100 lbs	7,400 lbs	5,200 lbs
3/8	7,100 lbs	12,300 lbs	10,000 lbs	7,100 lbs	18,400 lbs	15,100 lbs	10,600 lbs
1/2	12,000 lbs	20,800 lbs	17,000 lbs	12,000 lbs	31,200 lbs	25,500 lbs	18,000 lbs
5/8	18,100 lbs	31,300 lbs	25,600 lbs	18,100 lbs	47,000 lbs	38,400 lbs	27,100 lbs
3/4	28,300 lbs	49,000 lbs	40,000 lbs	28,300 lbs	73,500 lbs	60,000 lbs	42,400 lbs
7/8	34, 200 lbs	59,200 lbs	48,400 lbs	34,200 lbs	88,900 lbs	72,500 lbs	51,300 lbs
1	47,700 lbs	82,600 lbs	67,400 lbs	47,700 lbs	123,900 lbs	101,200 lbs	71,500 lbs
1-1/4	72,300 lbs	125,200 lbs	102,200 lbs	72,300 lbs	187,800 lbs	153,400 lbs	108,400 lbs
Grade 100							
7/32	2,700 lbs	4,700 lbs	3,800 lbs	2,700 lbs	7,000 lbs	5,700 lbs	4,000 lbs
9/32	4,300 lbs	7,400 lbs	6,100 lbs	4,300 lbs	11,200 lbs	9,100 lbs	6,400 lbs
3/8	8,800 lbs	15,200 lbs	12,400 lbs	8,800 lbs	22,900 lbs	18,700 lbs	13,200 lbs
1/2	15,000 lbs	26,000 lbs	21,200 lbs	15,000 lbs	39,000 lbs	31,800 lbs	22,500 lbs
5/8	22,600 lbs	39,100 lbs	32,000 lbs	22,600 lbs	58,700 lbs	47,900 lbs	33,900 lbs
3/4	35,300 lbs	61,100 lbs	49,900 lbs	35,300 lbs	91,700 lbs	74,900 lbs	53,000 lbs

Above data complies with all existing federal

SAFETY NOTICE:

A quad branch chain sling, especially when used on a load of rigid structure, is usually not sustaining the load evenly distributed on each of its four branches. The maximum working load limits are therefore set at the same values as for triple branch chain slings of equal quality and size and used with branches at same angle of inclination.

⚠WARNING

Serious damage to a chain may occur when a force exceeding the working load limit is applied to a chain or chain assembly. These working load limits must not be exceeded.

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Sling Capacities

Nylon / Polyester Slings

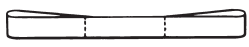
INSPECTION

Remove slings from service if damage such as the following is visible:

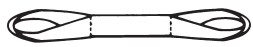
- Capacity tag is missing or illegible.
- Red core warning yarns are visible.
- Sling shows signs of melting, charring, or chemical damage.
- End fittings are excessively pitted, corroded, distorted, cracked, or broken.
- Cuts on face or edge of webbing.
- Holes, tears, snags, or crushed web.
- Signs of excessive abrasive wear.
- Broken or worn threads in the stitch patterns.
- Other visible damage which causes doubt as to the strength of the sling.

OPERATING PRACTICES

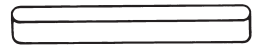
- Do not exceed rated capacities
- Inspect sling prior to each use and DO NOT USE if damaged.
- Do not use if temperature is over 200° F
- Contact LGH for instructions when using in a chemical environment.
- Slings must be used in accordance with angle of lift chart.
- Use wear pads between slings and load edges. (Cutting is the number one cause of web sling failure.)



TYPE 3
(FLAT EYE)



TYPE 4
(TWISTED EYE)



TYPE 5
(ENDLESS)

TYPE 3 & 4						TYPE 5		
	Web Width	Code	Rated Capacities in Lbs. Vertical	Choker	V. Basket	Code	Web Width	
One Ply	1"	EE1-801	1,600	1,280	3,200	N/A		
	2"	EE1-802	3,200	2,500	6,400	N/A		
	3"	EE1-803	4,800	3,800	9,600	N/A		
	4"	EE1-804	6,400	5,000	12,800	N/A		
	6"	EE1-806	9,600	7,700	19,200	N/A		
Two Ply	1"	EE2-801	3,200	2,500	6,400	EN1-801	1"	One Ply
	2"	EE2-802	6,400	5,000	12,800	EN1-802	2"	
	3"	EE2-803	8,800	7,040	17,600	EN1-803	3"	
	4"	EE2-804	11,500	9,200	23,000	EN1-804	4"	
	6"	EE2-806	16,500	13,200	33,000	EN1-806	6"	
		N/A	6,200	4,900	12,400	EN2-801	1"	Two Ply
		N/A	12,400	9,900	24,800	EN2-802	2"	
		N/A	16,300	13,000	32,600	EN2-803	3"	
		N/A	20,700	16,500	41,400	EN2-804	4"	
		N/A	28,600	23,000	57,200	EN2-806	6"	

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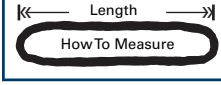
Sling Capacities

Endless / Eye & Eye Slings

ENDLESS (EN)



The Endless Advantage

- Wear points can be shifted to extend sling life.
- Sling legs can be spread for improved balance.
- The most flexible style of sling.

EYE & EYE (EE)

The Eye & Eye Advantage

- Extends sling life where abrasion to sling body is a problem.

Endless Code	CAPACITIES IN LBS. Vertical	Choker	Basket	Eye & Eye Code
EN30	2,600	2,100	5,200	EE30
EN60	5,300	4,200	10,600	EE60v
EN90	8,400	6,700	16,800	EE90
EN120	10,600	8,500	21,200	EE120
EN150	13,200	10,600	26,400	EE150
EN180	16,800	13,400	33,600	EE180
EN240	21,200	17,000	42,400	EE240
EN360	31,000	24,800	62,000	EE360
EN600	53,000	42,400	106,000	EE600
EN800	66,000	52,800	132,000	EE800
EN1000	90,000	72,000	180,000	EE1000

WARNING

Roundslings can be cut by contact with sharp or unprotected load edges. Proper padding must be used to protect slings.

Endless Code	CAPACITIES IN LBS. Vertical	Choker	Basket
KEN20K	20,000	16,000	40,000
KEN25K	25,000	20,000	50,000
KEN30K	30,000	24,000	60,000
KEN40K	40,000	32,000	80,000
KEN50K	50,000	40,000	100,000
KEN60K	60,000	48,000	120,000
KEN70K	70,000	56,000	140,000
KEN80K	80,000	64,000	160,000
KEN90K	90,000	72,000	180,000
KEN100K	100,000	80,000	200,000
KEN125K	125,000	100,000	250,000
KEN150K	150,000	120,000	300,000
KEN175K	175,000	140,000	350,000
KEN200K	200,000	160,000	400,000

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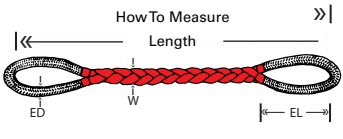
Sling Capacities

Braided Tuflex Roundslings

Braided Tuflex Sling Advantages

For the ultimate in big loads or for the security of multiple part sling lifting.

- Vertical Basket capacities up to 612,000 lbs.
- Multiple part construction for redundant safety.
- Extremely flexible.
- Ballistic nylon eye covering.
- High strength to weight ratio.
- Wear pads are available for all sizes.



WARNING

Roundslings can be cut by contact with sharp or unprotected load edges. Proper padding must be used to protect slings.

6 Part Flat Braid (B6E) Code	CAPACITIES IN LBS. Vertical	Choker	Basket
B6E30	6,700	5,300	13,400
B6E60	13,500	10,800	27,000
B6E90	21,400	17,100	42,800
B6E120	27,000	21,600	54,000
B6E150	33,600	26,800	67,200
B6E180	42,800	34,200	85,600
B6E240	54,000	43,200	108,000
B6E360	79,000	63,200	158,000
B6E600	135,100	108,000	270,000
B6E800	168,300	134,600	336,600
B6E1000	229,500	183,600	459,000

8 Part Flat Braid (B8E) Code	CAPACITIES IN LBS. Vertical	Choker	Basket
B8E30	8,800	7,100	17,600
B8E60	18,000	14,400	36,000
B8E90	28,500	22,800	57,000
B8E120	36,000	28,800	72,000
B8E150	44,900	35,900	89,800
B8E180	57,100	45,600	114,200
B8E240	72,000	57,600	144,000
B8E360	105,400	84,300	210,800
B8E600	180,200	144,100	360,400
B8E800	224,400	179,500	448,800
B8E1000	306,000	244,000	612,000

All sling information courtesy of LiftAll