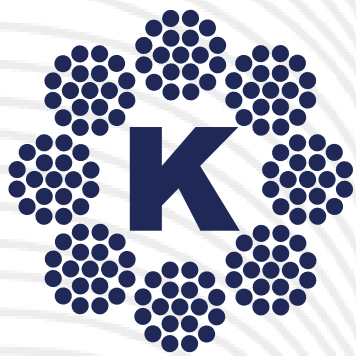




Kennedy
Wire Rope & Sling Company

WIRE ROPE SLING
C A T A L O G



45+
YEARS OF EXCELLENCE

For more information, visit us at kwrs.com 



LOCATIONS



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WIRE ROPE SLINGS INTRODUCTION



Kennedy Wire Rope & Sling specializes in fabricating wire rope slings, which are widely used for lifting heavy loads. Our wire rope slings come in various configurations, including single-part and multi-part braided constructions. We offer a range of end fittings to suit specific applications, from standard loop eyes to custom end fittings. With our expertise in wire rope fabrication, we can provide you with a high-quality, reliable wire rope sling that meets your lifting requirements.

Kennedy Wire Rope & Sling fabricates wire rope slings and assemblies in diameters from 1/32" to 4-1/2". We use bright, galvanized, and stainless steel wire ropes, each with unique characteristics for different lifting applications. Let us help you choose the right wire rope sling for your needs.





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WIRE ROPE SLINGS CAPACITIES & HITCHES



The listed capacities of wire rope slings & assemblies in this catalog are based on the industry standard of a 5 to 1 design factor. This is the method used to determine the working load limit (WLL) of a sling: minimum breaking strength of the wire rope (MBL) multiplied by the efficiency of the splice or end fittings divided by the design factor 5.

The factors listed below affect the capacity of a wire rope sling:

- Efficiency of the end termination or eye splice
- Type of hitch being used when lifting the load
- Diameter of the item being lifted where the sling is attached
- Diameter of the hook or shackle where the sling attaches to the lifting device

EFFICIENCY OF THE END TERMINATION OR EYE SPLICE

Hand spliced eyes:

Rope Diameter	Efficiency
1/4"	90%
5/16"	89%
3/8"	88%
7/16"	87%
1/2"	86%
9/16"	85%
5/8"	84%
3/4"	82%
7/8" to 2-1/2"	80%

Mechanical spliced eyes:

Rope Diameter (IWRC)	Efficiency
1/4" to 1"	95%
1-1/8" to 2"	92.5%
2-1/4" to 4-1/2"	90%



Swage and spelter sockets:

Rope Diameter	Efficiency
1/4" to 4-1/2"	100%

TYPE OF HITCH BEING USED WHEN LIFTING THE LOAD:

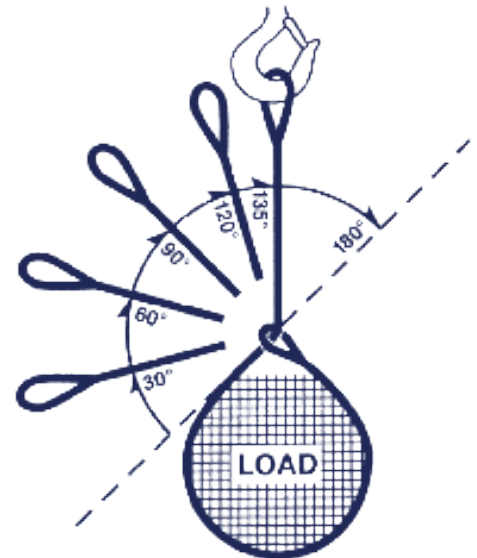
Vertical Pull:

A vertical pull is when a sling is hitched in a straight line between the lifting device and load to lift it vertically. It is crucial to use appropriate rigging and equipment rated for the load to prevent accidents and ensure safety.



Choker Hitch:

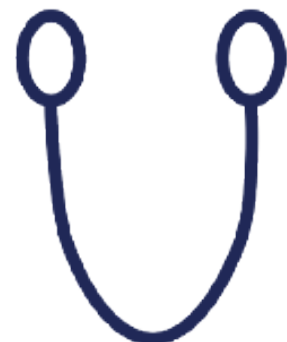
A choker hitch involves passing the eye on one end of the sling through the eye on the other end and choking the sling around the load. It's important to note that a sling used in a choker hitch has a reduced capacity, as shown in the chart below.



Angle of Choke	% of Choker Capacity
Over 120	100%
90-120	87%
60-89	74%
30-59	62%
0-29	49%

Vertical Basket Hitch:

A vertical basket hitch is where the body of the sling supports the load being lifted and the two ends of the sling are attached to the lifting device.



CONTINUED ON NEXT PAGE

CONTINUED

SLING CAPACITIES WHEN RIGGED AT VARIOUS ANGLES

Load Factor Guidelines

Leg Angle	Load Factor
90°	1.000
85°	1.003
80°	1.015
75°	1.035
70°	1.064
65°	1.103
60°	1.154
55°	1.220
50°	1.305
45°	1.414
40°	1.555
35°	1.743
30°	2.000

WARNING:

Slings shall not be used with horizontal angles less than 30°.

EXAMPLE

A. Vertical lift:

Total load is 1,000 lbs. divided by two legs = 500 lbs. load per leg if vertical lift

B. Horizontal sling angle is 60 degrees:

Multiply 500 lbs. by 1.154 load factor (from table) = 577 lbs. Actual load per leg.



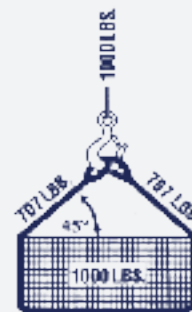
EXAMPLE

A. Vertical lift:

Total load is 1,000 lbs. divided by two legs = 500 lbs. load per leg if vertical lift

B. Horizontal sling angle is 45 degrees:

Multiply 500 lbs. by 1.414 load factor (from table) = 707 lbs. Actual load per leg.



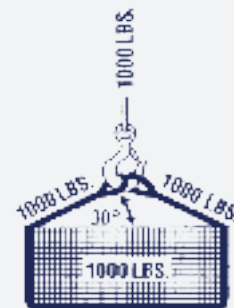
EXAMPLE

A. Vertical lift:

Total load is 1,000 lbs. divided by two legs = 500 lbs. load per leg if vertical lift

B. Horizontal sling angle is 30 degrees:

Multiply 500 lbs. by 2.000 load factor (from table) = 1000 lbs. Actual load per leg.



When a sling is rigged as a basket, the diameter of the bend where the sling contacts the load can affect the sling's lifting capacity. How much the lifting capacity is affected can be calculated by dividing the diameter of the bend where the rope contacts the load (represented by "D") by the diameter of the rope or the component rope diameter in a multi-part sling (represented by "d").

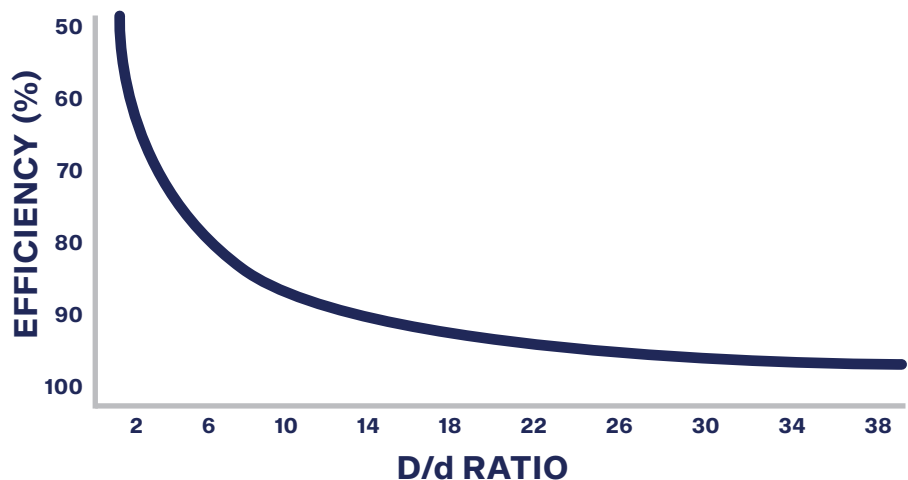
For example, if the diameter of the bend ("D") is 10 and the component rope diameter ("d") is 1/2, the D/d ratio is $10 \div 1/2$ or 20.

When using D/d ratios that are smaller than those shown in the table below, the rated capacity of the sling must be decreased.

Standard D/d ratios are applied to determine efficiency of various sling constructions

Mechanically spliced, single-part slings	25 times rope diameter
Hand-spliced, single-part slings	15 times rope diameter
Braided multi-part slings of 3 parts	10 times component rope diameter
Braided multi-part slings of 6 parts	25 times component rope diameter
Braided multi-part slings of 8 parts	25 times component rope diameter
Braided multi-part slings of 9 parts	20 times component rope diameter
Mechanically spliced grommets	5 times sling body diameter

**REDUCTION
IN EFFICIENCY**
of wire rope when bent
over pins of various sizes





Wire Rope is lubricated during manufacturing so that the strands - as well as the individual wires in the strands - may move and adjust as the rope moves and bends. No wire rope can be lubricated sufficiently during manufacturing to last its entire life. That's why it's important to lubricate periodically through the life of the rope.

The surface of some ropes may be covered with dirt, rock dust or other material during their operation. This can prevent field-applied lubricants from properly penetrating into the rope, so it's a good practice to clean these ropes before you lubricate them.

The lubricant you apply should be light-bodied enough to penetrate to the rope's core. You can normally apply lubricant by using one of three methods:

Drip it on the rope | Spray it on the rope | Brush it onto the rope

Your rope's service life will be directly proportional to the effectiveness of the method you use and the amount of lubricant that reaches the ropes working parts.

A proper lubricant must reduce friction, protect against corrosion and adhere to every wire. It should also be pliable and not crack or separate when cold - yet not drip when warm. Never apply heavy grease to the rope because it can trap excessive grit which can damage the rope. Nor should you apply used "engine oil" because it contains materials that can damage the wire rope.

WIRE ROPE SLING STORAGE AND HANDLING

Wire Rope slings should be kept in an area where exposure to water, extreme heat or corrosive fumes, liquids and sprays are non-existent.

Slings should also be kept out of the way where they may get ran over by vehicles or kinked.

Slings should never be left beneath loads or laying where they could be possibly damaged.

WIRE ROPE SLING TEMPERATURE

Wire rope should be protected from extreme temperatures. Steel core (IWRC) slings should never be used at 400° F or more and never below -40°F.

It is not always easy to spot when wire rope has been damaged by heat. The most visible signs are loss of lubrication, discoloration and fusing of the wires.

If there is even the slightest suspicion that a sling was exposed to heat then it should be removed from service immediately.

Before using slings, inspect them to be sure they meet the requirements for that application.

HOW OFTEN TO INSPECT

Both AMSE Standard B30.9 and OSHA require that wire ropes receive two types of inspections:

1. A DAILY VISUAL INSPECTION

The person handling the sling must do this each day and should check for major damage or deterioration that would weaken the sling and for obvious signs such as broken wires, kinks, crushing, broken attachments and severe corrosion.

2. ADDITIONAL INSPECTIONS AT REGULAR INTERVALS

These are based on frequency of sling use, severity of service conditions, the nature of the lifts and prior experience based on service life of slings used in similar circumstances. A designated person who has a working knowledge of wire rope must conduct these inspections.

Inspection shall be made at least annually and shall include a record of the inspection or of apparent conditions to provide the basis for a continuing evaluation. Inspection shall be conducted on the entire length of the sling, including splices, end attachments and fittings.

HOW TO INSPECT

The following procedures are offered as a guide for conducting inspections:

1. Place the sling in a position that enables the inspector to access and see every part of the sling.
2. Clean off all dirt and grease with a wire brush or rags to reveal wires and fittings.
3. Examine the entire length of the sling thoroughly, especially the parts showing the most wear.
4. Pay special attention to fittings and end attachments and areas of the sling next to these fittings.
5. Find the most worn or damaged section of the sling and carefully check it against removal criteria.
6. Label or identify all slings you have inspected.
7. Keep records of all inspections, including dates and conditions of slings.
8. Immediately destroy all slings you have rejected.
9. Store slings you want to reuse in a safe place away from damaging weather, heat and dirt.

WHEN TO REPLACE YOUR WIRE ROPE SLING

According to ASME B30.9, you must remove a wire rope sling from service immediately if any of the following conditions are present:

1. **RATED CAPACITY TAG** Missing or illegible sling identification tag.
2. **BROKEN WIRES** For single part body slings and strand laid grommets: 5 broken wires in one strand in one rope lay or 10 broken wires in all strands in one rope lay. For cable-laid grommets and multi-part slings, use the following guidelines.

ALLOWABLE BROKEN WIRES

- Cable-laid grommet 20 per lay
- Less than 8-part braid 20 per braid
- 8-part braid or more 40 per braid

3. **METAL LOSS** Wear or scraping of one-third the original diameter of the outside individual wires.
4. **DISTORTION** Such as kinking, crushing or bird-caging. Look closely for wires or strands that may have been pushed out of their original positions in the rope.
5. **HEAT DAMAGE** Any metallic discoloration or loss of internal lubricant caused by heat exposure.
6. **DAMAGED END ATTACHMENTS** Cracked, bent or broken fittings. Also, any evidence that eye splices have slipped, or tucked strands have moved.
7. **BENT HOOKS** deformation - any visible apparent bend or twist from the plane of the unbent hook. Throat opening any distortion causing an increase in throat opening of 5% not to exceed 1/4 in. (66mm) (or as recommended by manufacturer).
8. **METAL CORROSION** Severe corrosion of the rope or end attachments that has caused pitting or binding of wires. Light rusting doesn't normally affect a sling's strength.

HOW TO DISPOSE OF A REJECTED WIRE ROPE SLING

Once the qualified person has determined a sling is no longer usable, he should tag it immediately, "Do Not Use." The sling should then be destroyed as soon as possible by cutting the eye and fittings from the rope. This will prevent accidental reuse of the sling.

WIRE ROPE SLINGS



TYPE 110 EIP FC OR IWRC: HAND SPLICED SLINGS



	Rope Dia. (")			Basket Hitch			Eye Dimensions (")		Thimble Dimensions (")		Alloy Hook WLL Tons	
					Degrees			Width	Length	Width		Length
					60°	45°	30°					
6x19 or 6x36 EIP	1/4	.54	.42	1.1	.94	.77	.54	2	4	.88	1.63	1
	5/16	.83	.66	1.7	1.4	1.2	.83	2.5	5	1.06	1.88	1
	3/8	1.2	.94	2.4	2.4	1.7	1.2	3	6	1.13	2.13	1-1/2
	7/16	1.6	1.3	3.2	3.2	2.2	1.6	3.5	7	1.25	2.38	2
	1/2	2	1.6	4	4	2.9	2	4	8	1.5	2.75	3
	9/16	2.5	2.1	5	5	3.6	2.5	4.5	9	1.5	2.75	5
	5/8	3.1	2.6	6.2	6.2	4.4	3.1	5	10	1.75	3.25	5
	3/4	4.3	3.7	8.6	8.6	6.1	4.3	6	12	2	3.75	7
	7/8	5.7	5	11	11	8	5.7	7	14	2.25	4.25	11
	1	7.4	6.4	15	15	10	7.4	8	16	2.5	4.5	11
6x36 EIP	1-1/8	9.3	8.1	19	19	13	9.3	9	18	2.88	5.13	15
	1-1/4	11	9.9	23	23	16	11	10	20	2.88	5.13	15
	1-3/8	14	12	27	27	19	14	11	22	3.5	6.25	22
	1-1/2	16	14	32	32	23	16	12	24	3.5	6.25	22
	1-3/4	22	19	44	44	31	22	14	28	4.5	9	30
	2	28	25	56	56	40	28	16	32	6	12	37
	2-1/4	35	31	70	70	50	35	18	36	7	14	45
	2-1/2	43	38	86	86	61	43	20	40	8	17.5	60

Rated Capacities in 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 of less than 30° shall not be used.

Note: Hidden tuck splice available. Sling and load shall not be allowed to rotate to insure splice does not come undone.

TYPE 115 EIP IWRC: MECHANICAL SPLICED SLINGS



	Rope Dia. (")				Basket Hitch			Eye Dimensions (")		Thimble Dimensions (")		Alloy Hook WLL Tons
					Degrees			Width	Length	Width	Length	
					60°	45°	30°					
6x19 or 6x36 EIP	1/4	.65	.48	1.3	1.1	.91	.65	2	4	.88	1.63	1
	5/16	1	.74	2	1.7	1.4	1	2.5	5	1.06	1.88	1
	3/8	1.4	1.1	2.9	2.5	2	1.4	3	6	1.13	2.13	1-1/2
	7/16	1.9	1.4	3.9	3.4	2.7	4.9	3.5	7	1.25	2.38	2
	1/2	2.5	1.9	5.1	4.4	3.6	2.5	4	8	1.5	2.75	3
	9/16	3.2	2.4	6.4	5.5	4.5	3.2	4.5	9	1.5	2.75	5
	5/8	3.9	2.9	7.8	6.8	5.5	3.9	5	10	1.75	3.25	5
	3/4	5.6	4.1	11	9.7	7.9	5.6	6	12	2	3.75	7
	7/8	7.6	5.6	15	13	11	7.6	7	14	2.25	4.25	11
	1	9.8	7.2	20	17	14	9.8	8	16	2.5	4.5	11
6x36 EIP	1-1/8	12	9.1	24	21	17	12	9	18	2.88	5.13	15
	1-1/4	15	11	30	26	21	15	10	20	2.88	5.13	15
	1-3/8	18	13	36	31	25	18	11	22	3.5	6.25	22
	1-1/2	21	16	42	37	30	21	12	24	3.5	6.25	22
	1-3/4	28	21	57	49	40	28	14	28	4.5	9	30
	2	37	28	73	63	52	37	16	32	6	12	37
	2-1/4	44	35	89	77	63	44	18	36	7	14	45
	2-1/2	54	42	109	94	77	54	20	40	8	17.5	60
	2-3/4	65	51	130	113	92	65	22	44			
	3	77	60	153	133	108	77	24	48			
	3-1/2	102	79	203	176	144	102	28	56			
	4	130	101	260	224	183	130	32	64			
	4-1/2	160	120	320	277	226	160	36	72			

Rated Capacities in 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 of less than 30° shall not be used.

Thimble Eye's & Sliding Choker Hooks Optional



TYPE 125 EIP IWRC: MECHANICAL SPLICED TWO-LEG SPREADERS

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Dia. (")	Alloy Hook WLL Tons
		Degrees				
		60°	45°	30°		
6x19 or 6x36 EIP	1/4	1.1	.91	.65	1/2	1
	5/16	1.7	1.4	1	1/2	1
	3/8	2.5	2	1.4	1/2	1-1/2
	7/16	3.4	2.7	1.9	3/4	2
	1/2	4.4	3.6	2.5	5/8	3
	9/16	5.5	4.5	3.2	7/8	5
	5/8	6.8	5.5	3.9	1	5
	3/4	9.7	7.9	5.6	1	7
	7/8	13	11	7.6	1-1/4	11
	1	17	14	9.8	1-1/2	11
6x36 EIP	1-1/8	21	17	12	1-1/2	15
	1-1/4	26	21	15	1-3/4	15
	1-3/8	31	25	18	1-3/4	22
	1-1/2	37	30	21	2	22
	1-3/4	49	40	28	2-1/4	30
	2	63	52	37	2-1/2	37

Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.



Master Link w/
Sub-Assemblies Optional

Various Hook Options Available



TYPE 135 EIP IWRC: MECHANICAL SPLICED THREE-LEG SPREADERS

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Dia. (")	Alloy Hook WLL Tons
		Degrees				
		60°	45°	30°		
6x19 or 6x36 EIP	1/4	1.7	1.4	.97	3/4	1
	5/16	2.6	2.1	1.5	3/4	1
	3/8	3.7	3	2.2	3/4	1-1/2
	7/16	5	4.1	2.9	3/4	2
	1/2	6.6	5.4	3.8	1	3
	9/16	8.3	6.8	4.8	1	5
	5/8	10	8.3	5.9	1	5
	3/4	15	12	8.4	1-1/4	7
	7/8	20	16	11	1-1/2	11
	1	26	21	15	1-1/2	11
6x36 EIP	1-1/8	31	26	18	2	15
	1-1/4	38	31	22	2	15
	1-3/8	46	38	27	2-1/4	22
	1-1/2	55	45	32	2-1/2	22
	1-3/4	74	60	42	2-3/4	30

Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.



Master Link w/
Sub-Assemblies Optional

Various Hook Options Available



TYPE 145 EIP IWRC: MECHANICAL SPLICED FOUR-LEG SPREADERS

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Dia. (")	Alloy Hook WLL Tons
		Degrees				
		60°	45°	30°		
6x19 or 6x36 EIP	1/4	2.2	1.8	1.3	1/2	1
	5/16	3.5	2.8	2	3/4	1
	3/8	5	4.1	2.9	3/4	1-1/2
	7/16	6.7	5.5	3.9	7/8	2
	1/2	8.8	7.1	5.1	1	3
	9/16	11	9	6.4	1	5
	5/8	14	11	7.8	1-1/4	5
	3/4	19	16	11	1-1/2	7
	7/8	26	21	15	1-3/4	11
	1	34	28	20	2	11
6x36 EIP	1-1/8	42	34	24	2-1/4	15
	1-1/4	51	42	30	2-1/2	15
	1-3/8	62	50	36	2-3/4	22
	1-1/2	73	60	42	3-1/2	22

Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.



*Master Link w/
Sub-Assemblies Optional*

Various Hook Options Available



TYPE 215 EIP IWRC: MECHANICAL SPLICE GROMMET



	Sling Body Dia. ("")	Rated Capacity (Tons)					
					Basket Hitch		
					Degrees		
					60°	45°	30°
6X19 OR 6X36 EIP	1/4	1.1	.74	2.1	1.8	1.5	1.1
	5/16	1.6	1.2	3.3	2.8	2.3	1.6
	3/8	2.4	1.6	4.7	4.1	3.3	2.4
	7/16	3.2	2.2	6.4	5.5	4.5	3.2
	1/2	4.1	2.9	8.3	7.2	5.9	4.1
	9/16	5.2	3.7	10	9.1	7.4	5.2
	5/8	6.4	4.5	13	11	9.1	6.4
	3/4	9.2	6.4	18	16	13	9.2
	7/8	12	8.7	25	22	18	12
	1	16	11	32	28	23	16
6X36 EIP	1-1/8	20	14	41	35	29	20
	1-1/4	25	17	50	43	35	25
	1-3/8	30	21	60	52	42	30
	1-1/2	36	25	71	62	50	36
	1-3/4	48	33	95	83	68	48
	2	62	43	124	107	87	62
	2-1/4	77	54	154	133	109	77
	2-1/2	94	66	188	163	133	94
	2-3/4	113	79	225	195	159	113
	3	133	93	265	230	188	133
	3-1/2	176	123	352	304	248	176
	4	225	157	450	389	317	225
	4-1/2	278	194	555	481	392	278

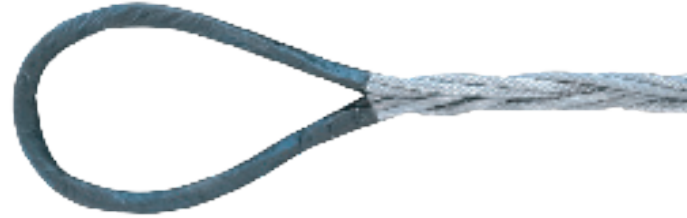
Rated Capacities based on design factor of 5.

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

Rated Capacities based on D/d ratio of 5.



TYPE 615 EIP IWRC: SIX-PART BRAIDED SLING



	Rope Dia. (")	Width of body (")	Thickness of body (")	Rated Capacity (Tons)			Eye Dimensions (")		Slip Thru Thimble	Heavy Thimble
				Vertical	Choker Hitch	Basket Hitch				
							Width	Length	ST	HT
6x19 or 6x36 EIP	1/4	1-1/8	11/16	2.9	2.5	5.7	5	10	ST 20	5/8
	5/16	1-3/8	7/8	4.4	3.9	8.9	6	12	ST 20	3/4
	3/8	1-11/16	1	6.3	5.5	13	7	14	ST 24	7/8
	7/16	2	1-3/16	8.6	7.5	17	8	16	ST 24	1
	1/2	2-1/4	1-5/16	11	9.8	22	9	18	ST 36	1-1/8
	9/16	2-1/2	1-1/2	14	12	28	10	20	ST 36	1-3/8
	5/8	2-13/16	1-11/16	17	15	35	11	22	ST 44	1-1/2
	3/4	3-3/8	2	26	22	49	12	24	ST 52	1-5/8
	7/8	4	2-5/16	33	29	67	14	28	ST 60	2
6x36 EIP	1	4-1/2	2-11/16	43	38	87	16	32	ST 68	2-1/4
	1-1/8	5-1/16	3	55	48	109	18	36	ST 80	2-1/2
	1-1/4	5-5/8	3-5/16	67	59	134	20	40	ST 80	
	1-3/8	6-3/16	3-11/16	81	71	161	22	44	ST 80	
	1-1/2	6-3/4	4	96	84	192	24	48		
	1-3/4	7-7/8	4-11/16	129	112	257	28	56		
	2	9	5-5/16	166	146	333	32	64		

Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.

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° shall not be used.

TYPE 815 EIP IWRC: EIGHT-PART BRAIDED SLING



	Rope Dia. (")	Sling Dia. (")	Rated Capacity (Tons)			Eye Dimensions (")		Slip Thru Thimble	Heavy Thimble
			Vertical	Choker Hitch	Basket Hitch	Width	Length	ST	HT
									
6x19 or 6x36 EIP	1/4	1-1/8	3.8	3.3	7.6	5	10	ST 20	7/8
	5/16	1-3/8	5.9	5.2	12	6	12	ST 24	1
	3/8	1-11/16	8.5	7.4	17	7	14	ST 36	1-1/8
	7/16	2	11	10	23	8	16	ST 36	1-1/4
	1/2	2-1/4	15	13	30	9	18	ST 36	1-1/2
	9/16	2-1/2	19	16	38	10	20	ST 44	1-3/4
	5/8	2-13/16	23	20	46	11	22	ST 52	2
	3/4	3-3/8	33	29	66	12	24	ST 60	2-1/4
	7/8	4	45	39	89	14	28	ST 68	2-1/2
6x36 EIP	1	4-1/2	58	51	116	16	32	ST 80	2-1/2
	1-1/8	5-1/16	72	64	146	18	36		
	1-1/4	5-5/8	89	78	179	20	40		
	1-3/8	6-3/16	108	94	215	22	44		
	1-1/2	6-3/4	128	112	255	24	48		
	1-3/4	7-7/8	171	150	343	28	56		
	2	9	222	194	444	32	64		

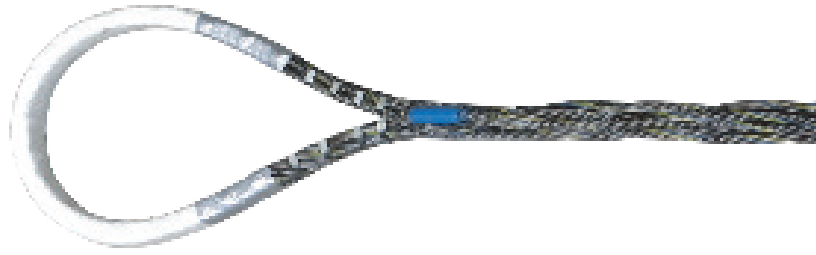
Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.

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° shall not be used.

TYPE 915 EIP IWRC: NINE-PART BRAIDED SLING



	Rope Dia. (")	Sling Dia. (")	Rated Capacity (Tons)			Eye Dimensions (")	
			Vertical	Choker Hitch	Basket Hitch	Eye Width	Eye Length
							
6x19 or 6x36 EIP	1/4	1	4.3	3.2	8.6	6	12
	5/16	1-1/4	6.6	5	13	6	12
	3/8	1-1/2	9.5	7.1	19	7-1/2	13
	7/16	1-3/4	14	11	29	9	18
	1/2	2	19	14	38	10	20
	9/16	2-3/16	24	18	48	12	24
	5/8	2-1/2	29	22	59	12	24
	3/4	3	42	32	84	15	30
	7/8	3-1/2	57	43	114	17	34
	1	4	74	56	148	20	40
6x36 EIP	1-1/8	4-1/2	93	60	187	22	44
	1-1/4	5	115	86	230	25	50
	1-3/8	5-1/2	138	104	276	27	54
	1-1/2	6	164	123	328	30	60
	1-3/4	7	220	165	440	35	70
	2	8	285	214	570	40	80
	2-1/4	9	355	267	711	45	90
	2-1/2	10	434	326	869	50	100
	2-3/4	11	485	358	970	55	110
	3	12	574	424	1148	60	120
	3-1/2	14	761	563	1421	70	140
	4	16	972	719	1544	80	160
	4-1/2	18	1200	888	2400	90	180

Rated Capacities based on pin diameter no larger than natural width or less than the nominal diameter

Rated Capacities in basket hitch based on D/d ratio of 5 times the sling body diameter

Rated Capacities based on design factor of 5.

Horizontal sling angles of less than 30° shall not be used.

TYPE 315 EIP: THREE-PART BRAIDED SLING



	Rope Dia. (")	Sling Dia. (")	Rated Capacity (Tons)			Eye Dimensions (")	
			Vertical	Choker Hitch	Basket Hitch	Width	Length
							
6x19 or 6x36 EIP	1/4	1/2	1.7	1.3	3.4	2	4
	5/16	5/8	2.6	1.9	5.2	3	6
	3/8	3/4	3.6	2.7	7.2	4	8
	7/16	7/8	4.9	3.7	9.8	5	10
	1/2	1	6.4	4.8	12	6	12
	9/16	1-1/8	8	6	16	7	14
	5/8	1-1/4	9.9	7.4	19	8	16
	3/4	1-1/2	14	10	28	10	20
	7/8	1-3/4	19	14	38	12	24
	1	2	24	18	49	14	28
6x36 EIP	1-1/8	2-1/4	31	23	62	16	32
	1-1/4	2-1/2	38	28	76	18	36
	1-3/8	2-3/4	46	34	92	20	40
	1-1/2	3	55	41	110	22	44
	1-3/4	3-1/2	73	54	146	26	52
	2	4	95	71	190	28	56
	2-1/4	4-1/2	118	88	263	32	64
	2-1/2	5	145	109	290	36	72
	2-3/4	5-1/2	173	130	346	40	80
	3	6	204	153	408	44	88
	3-1/2	7	270	202	540	48	96
	4	8	343	257	686	56	112
	4-1/2	9	384	288	768	63	126

Rated Capacities in Basket Hitch based on D/d ratio of 5 times the sling diameter.

Rated capacities based on D/d ratio of 1.5 times the sling diameter inside the eye.

Note: Locked eyes available

TYPE 8P1 7X19: GALVANIZED BRAIDED SLING

7x19

Rope Dia. (")	Sling Dia. (")		Rated Capacity (Tons)					Eye Dimensions (")		Slip Thru Thimble	Heavy Thimble
					Basket Hitch						
					Degrees						
					60°	45°	30°	A	B	ST	HT
1/8	9/16	1.1	1	2.2	1.9	1.6	1.1	3	6	ST 10	1/2
3/16	13/16	1.9	1.6	3.7	3.2	2.6	1.9	4	8	ST 16	5/8
1/4	1-1/8	3.3	2.9	6.6	5.7	4.7	3.3	5	10	ST 20	7/8
5/16	1-3/8	5.1	4.5	10	8.9	7.3	5.1	6	12	ST 24	1
3/8	1-11/16	7.3	6.4	15	13	10	7.3	7	14	ST 36	1-1/8



TYPE 8P2 7X19: TWO-LEG GALVANIZED BRAIDED SLING

7x19

Rope Dia. (")	Sling Dia. (")	Single Leg Choker	Rated Capacity (Tons) Legs in a Choker Hitch			Master Link Dia. (")
			Degrees			
			60°	45°	30°	
1/8	9/16	1	1.7	1.4	.98	1/2
3/16	1-3/16	1.6	2.8	2.3	1.6	1/4
1/4	1-1/8	2.9	5	4.1	2.9	1
5/16	1-3/8	4.5	7.8	6.3	4.5	1-1/4
3/8	1-11/16	6.4	11	9.1	6.4	1-1/4



Made with 7x19 GAC component rope.

Rated Capacities in Basket Hitch based on D/d ratio of 25 times the component rope diameter.

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° shall not be used.

TYPE 8P3 7X19: THREE-LEG GALVANIZED BRAIDED SLING

7x19

Rope Dia. (")	Sling Dia. (")	Single Leg Choker	Rated Capacity (Tons)			Master Link Dia. (")
			Legs in a Choker Hitch			
			Degrees			
			60°	45°	30°	
1/8	9/16	1	2.5	2.1	1.5	3/4
3/16	13/16	1.6	4.3	3.5	2.5	3/4
1/4	1-1/8	2.9	7.5	6.1	4.3	1-1/4
5/16	1-3/8	4.5	12	9.5	6.7	1-1/2
3/8	1-11/16	6.4	17	14	9.6	2



TYPE 8P4 7X19: FOUR-LEG GALVANIZED BRAIDED SLING

7x19

Rope Dia. (")	Sling Dia. (")	Single Leg Choker	Rated Capacity (Tons)			Master Link Dia. (")
			Legs in a Choker Hitch			
			Degrees			
			60°	45°	30°	
1/8	9/16	1	3.4	2.8	2	1
3/16	13/16	1.6	5.7	4.6	3.3	1-1/2
1/4	1-1/8	2.9	10	8.1	5.8	1-3/4
5/16	1-3/8	4.5	16	13	9	2
3/8	1-11/16	6.4	22	18	13	2-3/4



Master Link with
Sub-Assemblies Optional

Made with 7x19 GAC component rope.
Rated Capacities based on design factor of 5.
Horizontal sling angles less than 30° shall not be used.



TYPE 115 EIP IWRC:
SWAGED SOCKET ASSEMBLY

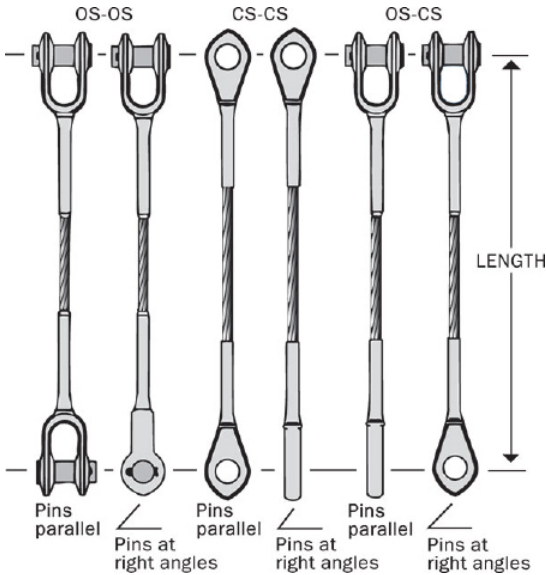


6X19 OR 6X36 EIP

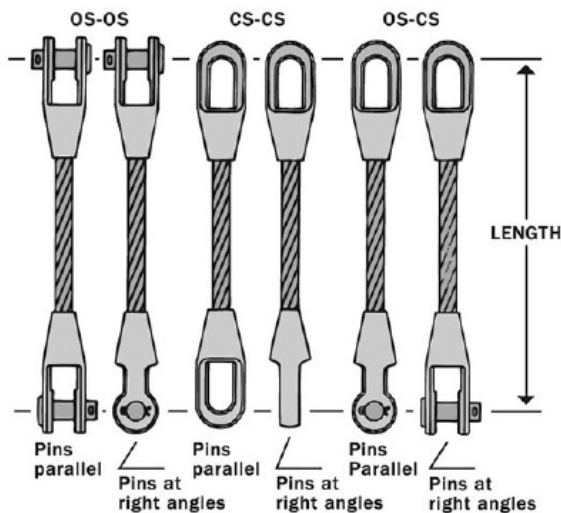
6X36 EIP

Diameter (")	Rated Capacity (Tons)	
	EIP	EEIP
1/4	.68	.74
5/16	1.1	1.2
3/8	1 1/2	1.7
7/16	2	2.2
1/2	2.7	2.9
9/16	3.4	3.7
5/8	4.1	4.5
3/4	5.9	6.5
7/8	8	8.8
1	10	11
1-1/8	13	14
1-1/4	16	18
1-3/8	19	21
1-1/2	23	25
1-3/4	31	34
2	40	43

Rated capacities based on a design factor of 5.



TYPE 110 EIP IWRC: SPELTER SOCKET ASSEMBLY



	Diameter (")	Rated Capacity (Tons)	
		EIP	EEIP
6X19 OR 6X36 EIP	1/4	.68	.75
	5/16	1.1	1.2
	3/8	1.5	1.7
	7/16	2	2.2
	1/2	2.7	2.8
	9/16	3.4	3.7
	5/8	4.1	4.5
	3/4	5.9	6.5
	7/8	8	8.8
	1	10	11
6X36 EIP	1-1/8	13	14
	1-1/4	16	18
	1-3/8	19	21
	1-1/2	23	25
	1-5/8	26	29
	1-3/4	31	34
	1-7/8	35	38
	2	40	43
	2-1/8	44	49
	2-1/4	49	54
	2-3/8	55	60
	2-1/2	60	66
	2-5/8	66	73
	2-3/4	72	79
	2-7/8	78	86
	3	85	94
	3-1/8	92	101
	3-1/4	98	108
	3-3/8	106	116
	3-1/2	113	124
	3-3/4	128	141
	4	144	
	4-1/2	178	

Rated capacities based on a design factor of 5.

CABLE LAID SLINGS



TYPE CL15:

GALVANIZED CABLE LAID SINGLE PART SLING

	Rope Dia. (")	Vertical	Choker Hitch	Basket Hitch			Eye Dimensions (")		Thimble Dimensions (")		Alloy Hook WLL Tons	
					Degrees							
					60°	45°	30°					
					Length	Width	Length	Width				
7X7X7	3/8	1.1	.74	2.2	1.9	1.5	1.1	6	3	2.13	1.13	1-1/2
	1/2	1.9	1.3	3.7	3.2	2.6	1.9	8	4	2.75	1.5	2
	5/8	2.8	1.9	5.5	4.8	3.9	2.8	10	5	3.25	1.75	3
7X7X19	3/4	4.1	2.8	8.1	7	5.8	4.1	12	6	3.75	2	5
	7/8	5.4	3.7	11	9.4	7.6	5.4	14	7	4.25	2.25	7
	1	6.9	4.7	14	12	9.7	6.9	16	8	4.5	2.5	7
	1-1/8	8.3	5.8	17	14	12	8.3	18	9	5.13	2.88	11
	1-1/4	9.9	7	20	17	14	9.9	20	10	5.13	2.88	11



TYPE CL25:

GALVANIZED CABLE LAID TWO-LEG SLING

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Diameter (")	Alloy Hook WLL Tons
		60°	45°	30°		
7X7X7	3/8	1.9	1.5	1.1	1/2	1-1/2
	1/2	3.2	2.6	1.9	3/4	2
	5/8	4.8	3.9	2.8	1	3
7X7X19	3/4	7	5.8	4.1	1	5
	7/8	9.4	7.6	5.4	1	7
	1	12	9.7	6.9	1-1/4	7
	1-1/8	14	12	8.3	1-1/4	11
	1-1/4	17	14	9.9	1-1/2	11



Rated Capacities Basket Hitch based on D/d ratio of 10 times the component rope diameter.

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° shall not be used.

TYPE CL35:

GALVANIZED CABLE LAID THREE-LEG SLING

	Rope Dia. ("")	Rated Capacity (Tons)			Master Link Diameter ("")	Alloy Hook WLL Tons
		60°	45°	30°		
7X7X7	3/8	2.8	2.3	1.6	3/4	1-1/2
	1/2	4.8	3.9	2.8	1	2
	5/8	7.2	5.9	4.2	1	3
7X7X19	3/4	11	8.6	6.1	1-1/4	5
	7/8	14	11	8.1	1-1/2	7
	1	18	15	10	1-3/4	7
	1-1/8	21	18	12	1-3/4	11
	1-1/4	26	21	15	2	11



TYPE CL45:

GALVANIZED CABLE LAID FOUR-LEG SLING

	Rope Dia. ("")	Rated Capacity (Tons)			Master Link Diameter ("")	Alloy Hook WLL Tons
		60°	45°	30°		
7X7X7	3/8	3.8	3.1	2.2	7/8	1-1/2
	1/2	6.4	5.2	3.7	1-1/4	2
	5/8	9.6	7.8	5.5	1-1/4	3
7X7X19	3/4	14	12	8.1	1-1/2	5
	7/8	19	15	11	1-3/4	7
	1	24	19	14	2	7
	1-1/8	29	23	17	2	11
	1-1/4	34	28	20	2-1/4	11



Rated Capacities based on design factor of 5.

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



Master Link with
Sub-Assemblies Optional

STAINLESS STEEL SLINGS



TYPE SS15 T-304: STAINLESS STEEL SLING



	Rope Dia. (")	Vert	Choker Hitch	Basket Hitch			Eye Dimensions (")		Thimble Dimensions (")		Alloy Hook WLL Tons	
					Degrees							
		60°	45°	30°	Width	Length	Width	Length				
6X19 OR 6X36 EIP	1/4	.61	.45	1.2	1.1	.86	.61	2	4	.88	1.63	1
	5/16	.86	.63	1.7	1.5	1.2	.86	2.5	5	1.06	1.88	1
	3/8	1.1	.84	2.3	2	1.6	1.1	3	6	1.13	2.1	1-1/2
	7/16	1.5	1.1	3.1	2.7	2.2	1.5	3.5	7	1.25	2.38	2
	1/2	2.2	1.6	4.3	3.8	3.1	2.2	4	8	1.5	2.75	3
	9/16	2.7	2	5	4.7	3.8	2.7	4.5	9	1.5	2.75	5
	5/8	3.3	2.5	7	5.8	4.7	3.3	5	10	1.75	3.25	5
	3/4	4.7	3.5	9	8.2	6.7	4.7	6	12	2	3.75	5
	7/8	6.3	4.7	13	11	8.9	6.3	7	14	2.25	4.25	5
	1	8.1	6	16	14	11	8	8	16	2.5	4.5	11
6X36 EIP	1-1/8	10	7.4	20	17	14	10	9	18	2.88	5.13	11
	1-1/4	12	9.1	25	21	17	12	10	20	2.88	5.13	15
	1-3/8	14	11	29	24	20	14	11	22	3.5	6.25	22
	1-1/2	17	13	34	29	24	17	12	24	3.5	6.25	22
	1-3/4	22	17	45	38	31	22	14	28	4.5	9	30
	2	28	21	57	48	39	28	16	32	6	12	37
	2-1/4	35	25	69	57	49	33	18	36	7	14	45

Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.

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° shall not be used.



TYPE SS25 T-304: TWO-LEG STAINLESS STEEL SLING

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Diameter (")	Alloy Hook WLL Tons
		Degrees				
		60°	45°	30°		
6X19 OR 6X36	1/4	1.1	.86	.61	1/2	1
	5/16	1.5	1.2	.86	1/2	1
	3/8	2	1.6	1.1	1/2	1-1/2
	7/16	2.7	2.2	1.5	3/4	2
	1/2	3.8	3.1	2.2	3/4	3
	9/16	4.7	3.8	2.7	7/8	5
	5/8	5.8	4.7	3.3	1	5
	3/4	8.2	6.7	4.7	1	5
	7/8	11	8.9	6.3	1-1/4	5
6X36	1	14	11	8	1-1/2	11
	1-1/8	17	14	10	1-1/2	11
	1-1/4	21	17	12	1-3/4	15
	1-3/8	24	20	14	1-3/4	22
	1-1/2	29	24	17	2	22
	1-3/4	38	31	22	2-1/4	30
	2	48	39	28	2-1/2	37



TYPE SS35 T-304: THREE LEG STAINLESS STEEL SLING

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Diameter (")	Alloy Hook WLL Tons
		Degrees				
		60°	45°	30°		
6X19 OR 6X36	1/4	1.6	1.3	.91	3/4	1
	5/16	2.2	1.8	1.3	3/4	1
	3/8	3	2.4	1.7	7/8	1-1/2
	7/16	4	3.3	2.3	1	2
	1/2	5.6	4.6	3.2	1	3
	4/7	7.1	5.8	4.1	1	5
	5/8	8.6	7.1	5	1	5
	3/4	12	10	7.1	1-1/2	5
	7/8	16	13	9.5	1-3/4	5
	1	21	17	12	1-3/4	11
6X36	1-1/8	26	21	15	2	11
	1-1/4	31	25	18	2-1/4	15
	1-3/8	36	30	21	2-1/2	22
	1-1/2	43	35	25	2-1/2	22
	1-3/4	57	46	33	2-3/4	30



Rated Capacities based on design factor of 5.

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

TYPE SS45 T-304: FOUR-LEG STAINLESS STEEL SLING

	Rope Dia. (")	Rated Capacity (Tons)			Master Link Diameter (")	Alloy Hook WLL Tons
		Degrees				
		60°	45°	30°		
6X19 OR 6X36	1/4	2.1	1.7	1.2	3/4	1
	5/16	3	2.4	1.7	3/4	1
	3/8	3.9	3.2	2.3	7/8	1-1/2
	7/16	5.4	4.4	3.1	1	2
	1/2	7.5	6.1	4.3	1	3
	9/16	9.4	7.7	5.4	1-1/4	5
	5/8	12	9.4	6.7	1-1/4	5
	3/4	16	13	9.4	1-1/2	5
	7/8	22	18	13	1-3/4	5
	1	28	23	16	2	11
6X36	1-1/8	34	28	20	2-1/4	11
	1-1/4	41	34	24	2-1/2	15
	1-3/8	49	40	28	2-3/4	22
	1-1/2	58	47	33	3	22

Rated Capacities based on design factor of 5.

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



*Master Link with
Sub-Assemblies Optional*

Various Hook Options Available







Kennedy

Wire Rope & Sling Company

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