

Below the Hook ● Behind the Product ● Above the Standard

The logo for FIRST features the word "FIRST" in a bold, blue, sans-serif font. The letter "S" is stylized with multiple parallel orange and white lines that curve around it. A blue horizontal bar with a white outline is positioned below the letters "F", "I", and "R". A registered trademark symbol (®) is located to the right of the letter "T".

FIRST[®]

Full Inspection Round Sling Technology

Product Catalog

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FIRST Sling Technology

FIRST Sling's dedication to quality and service is the foundation and future of their success. Since the first generation arrived in Oklahoma, they have been engineering state-of-the-art rigging gear for the oil & gas, crane & construction, manufacturing, and power generation industries.

FIRST Sling Technology LLC was founded in 1997. Their team of second and third generation industry professionals share a common vision that their company is an integral source of quality American lifting products, aiming to become the region's preferred supplier of premium rigging gear. The same ethics and values their predecessors instilled in them are hard at work today as they continue to supply some of the most prominent names in the industry. The success of the company may be evident by their lifelong dedication, their loyal customer base or their new ever-expanding facility; yet, it is best defined by the lasting relationships with their customers sustained through an exceptional level of commitment and the extraordinary pride they have in the products and services they provide to them.

Products & Services

Certified Rigging Inspections

Training Seminars

Non-destructive Testing

RFID Traceability

Wire Rope

Wire Rope Slings

Overhead Crane Inspections

Overhead Crane Repair

Pendant Lines

Chain

Chain Slings

Synthetic Slings

Hand Splicing

Hooks

Raising Lines

Winch Lines

Casing Slings

Pumping Unit Bridles

Drilllines

Socketing

Snublines

Loadbinders

Shackles

Turnbuckles

Tailchains

Blocks



Slings

FIRST Sling is home for all your rigging and heavy lift needs. Whether it's our Grade 80 or Grade 100 alloy chain slings, wire rope slings, pendant lines, or synthetic flat web or round slings, we have you covered with our extensive inventory, custom sling fabrication capabilities, and a wide variety of rigging hardware available.

FIRST Sling has an online asset tracking system for your slings. This is a great way to manage your slings by being able to remotely access proof testing certificates, inspection results, certificates of compliance, as well as easy reordering. Please ask one of our product advisors about using RFID technology on your lifting products.



Wire Rope Slings

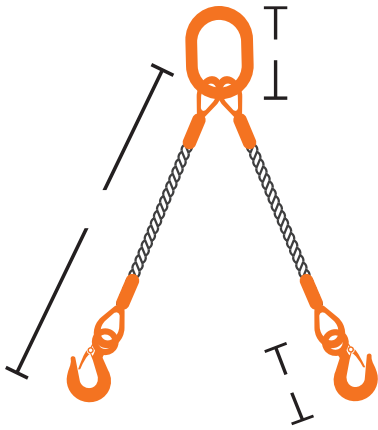
All of our wire rope slings are crafted right here in the heartland using only the highest-quality, American-made rope. We've matched the science of design with skillful and experienced execution to bring you some of the most well-crafted wire rope slings around.

Engineering wire rope slings for your application is a highly specialized field – with exacting standards – that we have been dedicated to for three generations. Mid-America's slings meet or exceed industry standards and your most exacting specifications. We apply thorough design and production controls. Our traceability process tracks every component through completion of the assembly and into the field.

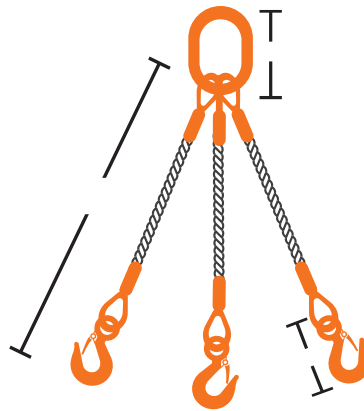
A wire rope sling is constructed when eyes are formed using the flemish eye splice. Ends are then secured by pressing a carbon steel sleeve over the strands of the splice. The pull is directly along the centerline of the rope and eye. Committed to serving the oil & gas and crane & rigging industries, we also offer a full line of specialty wire rope gear.

Rope Dia. (in.)	Rated Capacity - Tons*					
	Vert.	Choker Hitch	Basket Hitch			
6 x 19, 6 x 36						
1/4	0.65	0.48	1.3	1.1	0.91	0.65
5/16	1	0.74	2	1.7	1.4	1
3/8	1.4	1.1	2.9	2.5	2	1.4
7/16	1.9	1.4	3.9	3.4	2.7	1.9
1/2	2.5	1.9	5.1	4.4	3.6	2.5
9/16	3.2	2.4	6.4	5.5	4.5	3.2
5/8	3.9	2.9	7.8	6.8	5.5	3.9
3/4	5.6	4.1	11	9.7	7.9	5.6
7/8	7.6	5.6	15	13	11	7.6
1	9.8	7.2	20	17	14	9.8
1-1/8	12	9.1	24	21	17	12
1-1/4	15	11	30	26	21	15
1-3/8	18	13	36	31	25	18
1-1/2	21	16	42	37	30	21
1-5/8	24	18	49	42	35	24
1-3/4	28	21	57	49	40	28
2	37	28	73	63	52	37
2-1/4	44	35	89	77	63	44
2-1/2	54	42	109	94	77	54
2-3/4	65	51	120	113	92	65
3	77	60	153	133	108	77
3-1/2	102	79	203	176	144	102
4	130	101	260	224	183	130

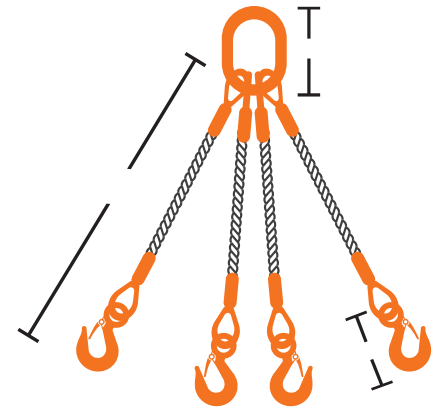
All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.
 *Rated Capacities Basket Hitch based on D/d Ratio of 25.
 Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.
 Rated Capacities based on design factor of 5.
 Horizontal sling angles of less than 30° shall not be used.



Multi 2-Legged Bridle



Multi 3-Legged Bridle



Multi 4-Legged Bridle

Rope Dia. (in.)	Rated Capacity - Tons*		
	60°	45°	30°
6 x 19, 6 x 36			
1/4	1.1	0.91	0.65
5/16	1.7	1.4	1
3/8	2.5	2	1.4
7/16	3.4	2.7	1.9
1/2	4.4	3.6	2.5
9/16	5.5	4.5	3.2
5/8	6.8	5.5	3.9
3/4	9.7	7.9	5.6
7/8	13	11	7.6
1	17	14	9.8
1-1/8	21	17	12
1-1/4	26	21	15
1-3/8	31	25	18
1-1/2	37	30	21
1-5/8	42	35	24
1-3/4	49	40	28
2	63	52	37

Rope Dia. (in.)	Rated Capacity - Tons*		
	60°	45°	30°
6 x 19, 6 x 36			
1/4	1.7	1.37	0.97
5/16	2.6	2.1	1.5
3/8	3.7	3	2.2
7/16	5	4.1	2.9
1/2	6.6	5.4	3.8
9/16	8.3	6.8	4.8
5/8	10.2	8.3	5.9
3/4	14.5	11.8	8.4
7/8	20	16	11.3
1	26	21	14.7
1-1/8	31	26	18
1-1/4	38	31	22
1-3/8	46	38	27
1-1/2	55	45	32
1-5/8	63	52	37
1-3/4	74	60	42

Rope Dia. (in.)	Rated Capacity - Tons*		
	60°	45°	30°
6 x 19, 6 x 36			
1/4	2.2	1.83	1.29
5/16	3.5	2.8	2
3/8	5	4.1	2.9
7/16	6.7	5.5	3.9
1/2	8.8	7.1	5.1
9/16	11	9	6.4
5/8	14	11	7.8
3/4	19	16	11
7/8	26	21	15
1	34	28	20
1-1/8	42	34	24
1-1/4	51	42	30
1-3/8	62	50	36
1-1/2	73	60	42

All capacities in tons of 2000 lbs. All eye and fitting dimensions in inches.
 * 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 base on design factor of 5.
 Horizontal sling angles of less than 30° shall not be used.
 ** Working Load Limit, based on standard carbon fittings unless noted otherwise.



Eight-Part Body

- High flexibility and snug around loads
- Helically laid ropes for even stress distribution
- Design improves friction to grip loads
- Round

Eight-part braided slings are flexible and can snug up tightly around the load in choker hitches. They also offer outstanding handling characteristics, particularly in the larger rated capacities. When loaded, stress distributes to all rope parts in the sling body due to the helical manner in which ropes are laid together.

Braided slings are formed by continuously plaiting, or braiding, several ropes together to form the sling body and both eyes in a single fabrication operation. Ends of the individual ropes are usually hand-tucked or mechanically spliced into the component ropes of the body. The eyes are wrapped and given a rubberized coating. Braided slings are often selected when loads must either be turned or maneuvered since the sling design creates friction to grip loads.

High flexibility is achieved by braiding, or plaiting, one or more wire ropes to form a fabric for the sling body. Component ropes run continuously through the body and eyes with ends handtucked into sling body or secured with pressed sleeves. The eight-part sling is round.

Rope Dia. (in.)	Sling Dia.	Rated Capacity - Tons*		
		Vert.	Choker Hitch**	Basket Hitch
#3/32	7/16	0.56	0.49	1.1
#1/8	9/16	1.1	0.98	2.2
3/16	13/16	2.2	1.9	4.3
1/4	1-1/8	3.8	3.3	7.6
5/16	1-3/8	5.9	5.2	12
3/8	1-11/16	8.5	7.4	17
7/16	2	11	10	23
1/2	2-1/4	15	13	30
9/16	2-1/2	19	16	38
5/8	2-13/16	23	20	46
3/4	3-3/8	33	29	66
7/8	4	45	39	89
1	4-1/2	58	51	116

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

Made with 6x9, 6x36 EIPS component rope.

** See manufacturer for Choker Hitch Rated Capacity adjustment.

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

Rated Capacities base on design factor of 5.

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

All capacities in tons of 2000 lbs. All eye and fitting dimensions in inches.

Grommets

- Forms a continuous loop sling
- Available in 6 strand wire rope
- Mechanical or handspliced connections
- Rope-laid grommets also available

A grommet is a special type of sling which forms a continuous loop. Grommets have a wire rope body made up of six strands which are laid helically around a strand core. Either a handsplice or a mechanical splice then forms an endless sling body. The minimum circumference of the sling is 96 times the grommet's body diameter.



Strand Laid Mechanical Splice Grommets

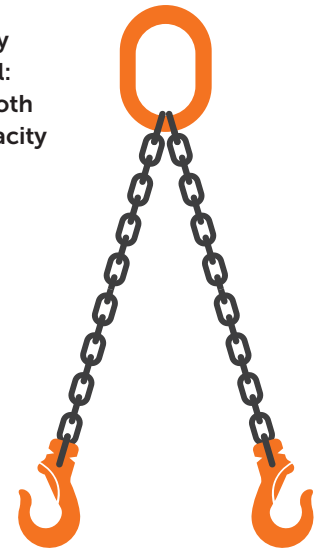
Sling Body Dia.	Vert.	Choker	Rated Capacity - Tons*			
			Basket Hitch and 2-leg Bridle			
			Vert.	60°	45°	30°
1/4	1.1	0.74	2.1	1.8	1.5	1.1
5/16	1.6	1.2	3.3	2.8	2.3	1.6
3/8	2.4	1.6	4.7	4.1	3.3	2.4
7/16	3.2	2.2	6.4	5.5	4.5	3.2
1/2	4.1	2.9	8.3	7.2	5.9	4.1
9/16	5.2	3.7	10	9.1	7.4	5.2
5/8	6.4	4.5	13	11	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
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	63	50	36
1-5/8	41	29	82	71	58	41
1-3/4	48	33	95	83	68	48
1-7/8	54	38	109	94	77	54
2	62	43	124	107	87	62
2-1/8	69	48	128	119	98	69
2-1/4	77	54	154	133	109	77
2-3/8	85	60	171	148	121	85
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

Strand Laid Hand Splice Grommets

Sling Body Dia.	Vert.	Choker	Rated Capacity - Tons*			
			Basket Hitch and 2-leg Bridle			
			Vert.	60°	45°	30°
1/4	0.94	0.66	1.9	1.6	1.3	0.94
5/16	1.5	1	2.9	2.5	2.1	1.5
3/8	2.1	1.5	4.2	3.6	3	2.1
7/16	2.8	2	5.7	4.9	4	2.8
1/2	3.7	2.6	7.3	6.4	5.2	3.7
9/16	4.6	3.2	9.3	8	6.6	4.6
5/8	5.7	4	11	9.9	8.1	5.7
3/4	8.2	5.7	16	14	12	8.2
7/8	11	7.7	22	19	16	11
1	14	10	29	25	20	14
1-1/8	18	12	35	31	25	18
1-1/4	21	15	43	37	30	21
1-3/8	25	18	51	44	36	25
1-1/2	30	21	60	52	42	30
1-5/8	34	24	69	60	49	34
1-3/4	40	28	79	69	56	40
1-7/8	45	31	89	77	63	45
2	50	35	101	87	71	50
2-1/8	56	39	112	97	79	56
2-1/4	62	43	124	107	88	62
2-3/8	68	48	137	118	97	68
2-1/2	75	52	149	129	106	75
2-3/4	89	62	177	154	125	89
3	104	73	207	180	147	104

Chain Slings

Chain slings are made from high-strength alloy steel made specifically for the lifting industry. They have numerous configurations and end fittings. Standard slings are available in two grades of steel: Grade 80 and Grade 100. Chain slings are the most rugged slings available. They are resistant to both abrasion and cutting and may be used at temperatures up to 400°F (204°C) without reducing capacity rating. Grade 100 slings are 25% stronger per chain diameter than Grade 80. All chain slings are manufactured to the customer's specifications and in accordance with industry standards.



G80 Alloy Steel Chain Sling Working Load Limits (LBS)

G80 Chain Size		Single Leg	Double Leg				Triple & Quad Leg		
IN	MM	90°	90°-60°	90°-45°	90°-30°	90°-60°	90°-45°	90°-30°	
7/32	6	2,100	3,600	3,000	2,100	5,450	4,450	3,150	
9/32	7	3,500	6,100	4,900	3,500	9,100	7,400	5,200	
5/16	8	4,500	7,800	6,400	4,500	11,700	9,500	6,800	
3/8	10	7,100	12,300	10,000	7,100	18,400	15,100	10,600	
1/2	13	12,000	20,800	17,000	12,000	31,200	25,500	18,000	
5/8	16	18,100	31,300	25,600	18,100	47,000	38,400	27,100	
3/4	19	25,500	44,100	36,000	25,500	66,200	54,000	38,200	
3/4	20	28,300	49,000	40,000	28,300	73,500	60,000	42,400	
7/8	22	34,200	59,200	48,200	34,200	88,900	72,500	51,300	
1	26	47,700	82,600	67,400	47,700	123,900	101,200	71,500	
1-1/4	32	72,300	125,200	102,200	72,300	187,800	153,400	108,400	

G100 Alloy Steel Chain Sling Working Load Limits (LBS)

G100 Chain Size		Single Leg	Double Leg				Triple & Quad Leg		
IN	MM	90°	90°-60°	90°-45°	90°-30°	90°-60°	90°-45°	90°-30°	
7/32	5.5	2,700	4,700	3,800	2,700	7,000	5,700	4,000	
9/32	7	4,300	7,400	6,100	4,300	11,200	9,100	6,400	
5/16	8	5,700	9,900	8,100	5,700	14,800	12,100	8,500	
3/8	10	8,800	15,200	12,400	8,800	22,900	18,700	13,200	
1/2	13	15,000	26,000	21,200	15,000	39,000	31,800	22,500	
5/8	16	22,600	39,100	32,000	22,600	58,700	47,900	33,900	
3/4	20	35,300	61,100	49,900	35,300	91,700	74,900	53,000	
7/8	22	42,700	74,000	60,400	42,700	110,900	90,600	64,000	
1	25	59,700	103,400	84,400	59,700	155,100	126,600	89,500	

Chain Sling Type Naming Code

Basic chain sling configurations are often described using a code. Naming conventions have many exceptions and may vary among manufactures.

1. First letter often designates the number of legs or branches:

- S Single leg with one branch
- D Double leg with two branches
- T Triple leg with three branches
- Q Quadruple leg sling with four branches

2. Second letter normally designates the fitting at the top of the sling:

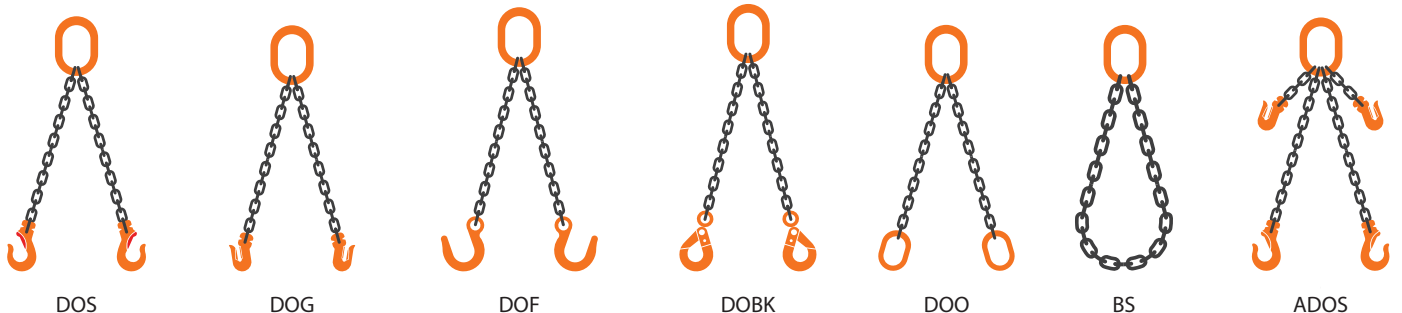
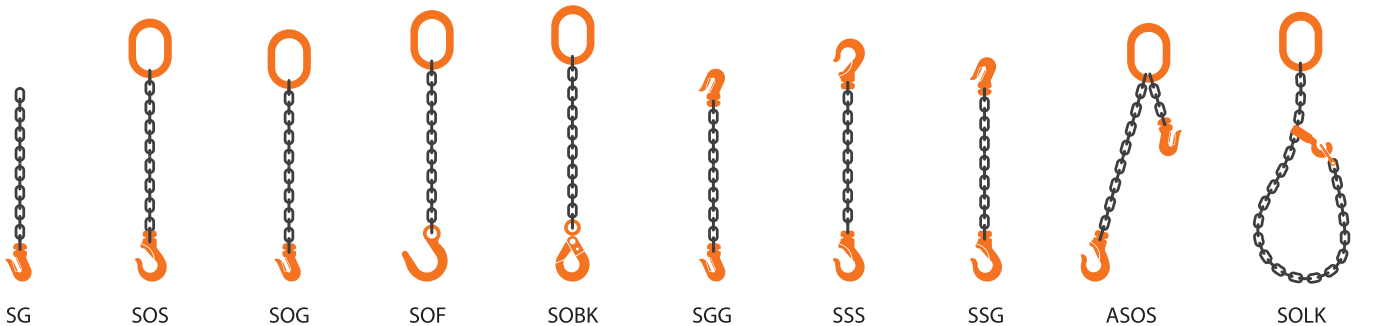
- O Oblong-shaped master link
- S Sling hook
- G Grab hook
- B Basket with oblong master sling

3. Third letter or group of letters normally designates the fitting at the bottom of each branch. A few of the many possibilities are listed below:

- S Sling hook
- G Grab hook
- LK Sliding choker
- BK Self Locking
- F Foundry hook

If A precedes the group of letters, then a device to adjust the length has been added. Adjusters can be either of two styles, Type A or Type B. Both are pictured.

Example: ADOS describes an Adjustable, Double Leg Sling with Oblong master link on top and a Sling hook at the bottom of each leg or branch.





DOLK



TOS



TOG



TOF



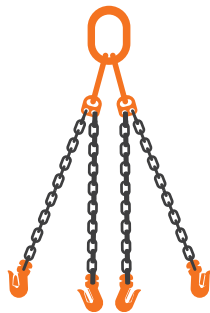
TOBK



ATOS



QOS



QOG



QOF



QOBK



ENDLESS



AQOS



MGD-BKG



TG4-BKG



ADJUSTER

Flat Web Slings

To meet growing demands, the start of 2024 marked the opening of our newly constructed 5,000 sq ft Synthetics Center. The fully operational division is dedicated to the design, manufacturing, research and testing of nylon and polyester web slings, synthetic ropes and polyester and high-performance roundslings.

FIRST Sling is dedicated to providing you the highest-quality synthetic slings available. Synthetic slings have become increasingly popular in large part due to their ease of handling and light weight, given their incredible strength. The light weight of synthetic slings requires minimal effort when making adjustments, transporting and storing your rigging gear. Under heavy load, synthetic slings will absorb shock and return to their original shape after release. Nylon slings stretch about 6-8% at working load while polyester stretches approximately 3% at working load. This combination of stretch and strength is beneficial for repeated lifting situations and tie-downs.

We're proud of our products, and the quality of every component is a reflection of that. That is why we are giving you the FIRST® Sling ID - the high-performance sling identification that is simply unequaled. The best part: it comes standard on EVERY nylon and polyester flat web sling we make.

- Topgrade construction, heavy-duty 9800 lb webbing only, made in USA
- Most durable & professional sling identification available, fully customizable
- Superior quality - exceeding WSTDA and ASME B30.9 standards

Your Logos, Trademarks and Other Information Displayed Professionally

Easily Insert Customer's Logo and Information or Select Unique Private Label Template

Variable Prompt at Print-time and Automatic Serialization

Easily Barcodes or Allows for RFID

Provide Your Customer With Permanent Warning Information

Automatically Sources Based on Part Number Selection

Database Connection Stores Your Part Numbers and Load Ratings

Print-Time Material and Other Variable Prompt

Easily Add Unique Smart Codes That Will Take You to Your Online Catalogue or Any Other Web Address

Automatic System Dates and Displays Country of Origin

WARNING

- Inspect sling for damage before each use.
- Do not use if cover is damaged, exposing core fibers, or if heat or chemical damage is visible.
- Do not use sling if capacity tag is missing or not readable.
- ROUNDSLINGS SHALL ALWAYS BE PROTECTED FROM BEING CUT BY CORNERS, EDGES OR PROTRUSIONS.
- Sling should be protected from abrasive surfaces.
- Do not load sling in excess of rated capacity.
- Consult manufacturer's sling angle chart for capacity reduction due to sling angle.
- Do not expose sling to temperatures above 194° F (90° C).
- Do not tie roundslings into knots, or join by knotting.
- Do not use near caustics.



**Type I
Triangle Choker (TC)**

Designed for use in choker, basket or vertical hitch. Available in forged Aluminum Alloy (TCA) or flame cut Alloy Steel (TCS)



**Type II
Triangle Triangle (TT)**

Application is limited to basket or vertical hitch only. Triangle fittings cannot be used in choke hitch since they will not pass through one another. Available in forged Aluminum Alloy (TTA) or flame cut Alloy Steel (TTS)



**Type III
Eye & Eye Flat (EEF)**

The eye is formed by folding the webbing back and sewing it flat against the sling body. Available in single or multiple thickness. Can be used in any hitch.



**Type IV
Eye & Eye Twist (EET)**

The eye is formed by turning the fabric 180° before sewing to form an eye which lays 90° to the sling body. It gives a superior choker hitch and allows for a better fit on a crane hook in a basket hitch.



**Type V
Endless (EN)**

Material is overlapped and sewn to form an endless grommet. The most versatile of all slings. It can be used in any hitch. It is the easiest to use and lasts longer because there are no eyes to determine wearing points.



**Type VI
Reverse Eye Twist**

Reversed Eye "RE" (return eye) slings are formed by using multiple widths of webbing held edge to edge. A wear pad is attached on both sides of the web sling body, and on both sides of the loop, eyes to form a loop eye at each end, which is at a right angle to the plane of the web sling body.

SLING TYPE:
EE - TYPE III & IV - EYE & EYE
EN - TYPE V - ENDLESS
TC - TYPE I - TRIANGLE CHOKER
TT - TYPE II - TRIANGLE EACH END
RE - TYPE VI - REVERSE EYE
WB - WIDE BODY BASKET

WEBBING GRADE:
9 - WE USE ONLY THE HIGHEST QUALITY 9800 LB, CLASS 7 WEBBING
MADE IN USA

SLING **LENGTH**
 MEASURED FROM PULL TO PULL (**REACH**) IN **FEET**

EE 2 - 9 2 x 10 FT

NUMBER OF PLYS:
1, 2, 3, OR 4

SLING **WIDTH** IN **INCHES**

**Type I
Triangle Choker Flat Web Sling**

Part No.	Width (in)	RATED CAPACITIES (LBS)		
		Vertical	Choker	Vert. Basket
TC1-92	2	3,200	2,500	6,400
TC1-93	3	4,800	3,800	9,600
TC1-94	4	6,400	5,000	12,800
TC1-95	5	8,000	6,400	16,000
TC1-96	6	9,600	7,700	19,200
TC2-92	2	6,400	5,000	12,800
TC2-93	3	8,600	6,900	17,200
TC2-94	4	11,500	9,200	23,000
TC2-95	5	14,000	11,200	28,000
TC2-96	6	16,800	13,400	33,600

**Type II
Triangle Triangle Flat Web Sling**

Part No.	Width (in)	RATED CAPACITIES (LBS)		
		Vertical	Choker	Vert. Basket
TT1-92	2	3,200	-	6,400
TT1-93	3	4,800	-	9,600
TT1-94	4	6,400	-	12,800
TT1-95	5	8,000	-	16,000
TT1-96	6	9,600	-	19,200
TT1-98	8	12,800	-	25,600
TT1-910	10	16,000	-	32,000
TT1-912	12	19,200	-	38,400
TT1-916	16	25,500	-	51,000
TT1-918	18	28,700	-	57,400
TT1-920	20	32,000	-	64,000
TT1-924	24	38,400	-	76,800
TT2-92	2	6,400	-	12,800
TT2-93	3	8,600	-	17,200
TT2-94	4	11,500	-	23,000
TT2-95	5	14,000	-	28,000
TT2-96	6	16,800	-	33,600
TT2-98	8	22,400	-	44,800
TT2-910	10	28,000	-	56,000
TT2-912	12	33,600	-	67,200
TT2-916	16	44,800	-	89,600
TT2-918	18	50,400	-	100,800
TT2-920	20	56,000	-	112,000
TT2-924	24	67,200	-	134,400

**Type III & IV
Eye & Eye Flat Web Sling**

Part No.	Width (in)	RATED CAPACITIES (LBS)		
		Vertical	Choker	Vert. Basket
EE1-91	1	1,600	1,250	3,200
EE1-92	2	3,200	2,500	6,400
EE1-93	3	3,800	3,800	9,600
EE1-94	4	6,400	5,000	12,800
EE1-95	5	8,000	6,400	16,000
EE1-96	6	9,600	7,700	19,200
EE1-98	8	12,800	10,200	25,600
EE1-910	10	16,000	12,800	32,000
EE1-912	12	19,200	15,400	38,400
EE2-91	1	3,200	2,500	6,400
EE2-92	2	6,400	5,000	12,800
EE2-93	3	8,600	6,900	17,200
EE2-94	4	11,500	9,200	23,000
EE2-95	5	13,600	10,900	27,200
EE2-96	6	16,300	13,000	32,600
EE2-98	8	19,200	15,400	38,400
EE2-910	10	22,400	17,900	44,800
EE2-912	12	26,900	21,500	53,800
EE3-91	1	4,100	3,300	8,200
EE3-92	2	8,300	6,600	16,600
EE3-93	3	12,500	10,000	25,000
EE3-94	4	16,000	12,800	32,000
EE3-95	5	19,200	15,400	38,400
EE3-96	6	23,000	18,400	46,000
EE3-98	8	30,700	24,500	61,400
EE3-910	10	36,800	29,400	73,600
EE3-912	12	44,000	35,200	88,000
EE4-91	1	5,000	4,000	10,000
EE4-92	2	10,000	8,000	20,000
EE4-93	3	14,900	11,900	29,800
EE4-94	4	19,800	15,800	39,600
EE4-95	5	24,800	19,800	49,600
EE4-96	6	29,800	23,800	59,600
EE4-98	8	39,700	31,700	79,400
EE4-910	10	49,600	39,600	99,200
EE4-912	12	59,500	47,600	119,000

**Type V
Endless Flat Web Sling**

Part No.	Width (in)	RATED CAPACITIES (LBS)		
		Vertical	Choker	Vert. Basket
EN1-91	1	3,200	2,500	6,400
EN1-92	2	6,400	5,000	12,800
EN1-93	3	8,600	6,900	17,200
EN1-94	4	11,500	9,200	23,000
EN1-95	5	13,600	10,900	27,200
EN1-96	6	16,300	13,000	32,600
EN1-98	8	19,200	15,400	38,400
EN1-910	10	22,400	17,900	44,800
EN1-912	12	26,900	21,500	53,800
EN2-91	1	6,200	4,900	12,400
EN2-92	2	12,200	9,800	24,400
EN2-93	3	16,300	13,000	32,600
EN2-94	4	20,700	16,500	41,400
EN2-95	5	24,500	19,600	49,000
EN2-96	6	28,600	23,000	57,200
EN2-98	8	30,700	24,500	61,400
EN2-910	10	33,600	26,800	67,200
EN2-912	12	37,600	30,000	75,200
EN3-91	1	8,000	6,400	16,000
EN3-92	2	16,000	12,800	32,000
EN3-93	3	21,500	17,200	43,000
EN3-94	4	28,700	23,000	57,400
EN3-95	5	34,000	27,200	68,000
EN3-96	6	40,700	32,500	81,400
EN3-98	8	46,000	36,800	92,000
EN3-910	10	51,500	41,200	103,000
EN3-912	12	59,200	47,300	118,400
EN4-91	1	10,000	8,000	20,000
EN4-92	2	19,800	15,800	39,600
EN4-93	3	26,700	21,300	53,400
EN4-94	4	35,600	28,400	71,200
EN4-95	5	42,200	33,700	84,400
EN4-96	6	50,500	40,400	101,000
EN4-98	8	57,600	46,000	115,200
EN4-910	10	67,200	53,700	134,400
EN4-912	12	80,700	64,500	161,400

Type VI Reversed Eye Flat Web Sling

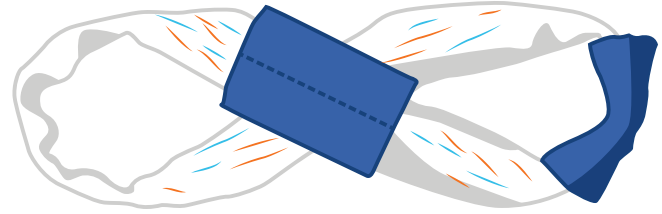
Part No.	Width (in)	RATED CAPACITIES (LBS)		
		Vertical	Choker	Vert. Basket
RE1-92	2	4,600	3,680	9,200
RE2-92	2	7,700	6,160	15,400
RE1-93	3	6,900	5,520	13,800
RE2-93	3	11,600	9,280	23,200
RE1-94	4	8,600	6,880	17,200
RE2-94	4	14,500	11,600	29,000
RE3-94	4	20,400	16,320	40,800
RE4-94	4	23,000	18,400	46,000
RE1-96	6	12,000	9,600	24,000
RE2-96	6	17,400	13,920	34,800
RE3-96	6	26,500	21,200	53,000
RE4-96	6	34,000	27,200	68,000

Wide Body Flat Web Slings

Part No.	Body Width (in)	Eye Width (in.)	Eye Length (in.)	RATED CAPACITY (LBS) Vertical ONLY
WIDE BODY (WB)				
WB2-92	6	1 1/2	12	18,600
WB4-93	6	1 1/2	12	37,200
WB2-94	8	2	12	24,800
WB4-94	8	2	12	44,000
WB2-96	12	2	14	37,200
WB4-96	12	2	20	66,000
WB2-98	16	3	18	44,000
WB4-98	16	3	24	88,000
WB3-96	18	2	24	37,200
WB6-96	18	3	30	66,000
WB3-98	24	3	30	44,000
WB2-912	24	5	30	66,000
WB6-98	24	3	36	88,000
WB4-912	24	6	36	132,000
LOAD BALANCING (LB)				
LB1-96	6	1	6	8,000
LB1-98	8	1	6	8,000
LB1-912	12	1	12	8,000
LB1-916	16	1	12	10,000
LB1-918	18	1	12	10,000
LB1-924	24	1	18	10,000



Polyester Roundslings



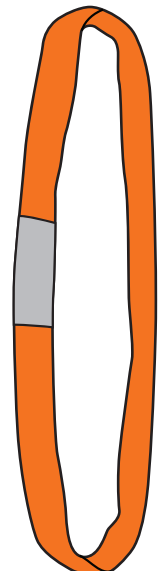
Full Inspection Roundsling

Code No.	Vertical	Choker	90° Basket	60° Basket	45° Basket	Approximate Measurements			
						Body Diameter Inches	Connection Hardware Min. Dia. Inches	Width at Load Inches	Sling Weight Per Foot Pounds
FP 30	3,000	2,400	6,000	5,100	4,200	0.75	0.50	0.62	0.25
FP 40	4,000	3,200	8,000	6,800	5,600	0.80	0.50	0.62	0.30
FP 60	6,000	4,800	12,000	10,200	8,400	0.90	0.62	0.88	0.35
FP 90	9,000	7,200	18,000	15,300	12,600	1.00	0.75	1.00	0.50
FP 120	12,000	9,600	24,000	20,400	16,800	1.25	0.88	1.25	0.65
FP 140	14,000	11,200	28,000	23,800	19,600	1.20	1.00	1.38	0.70
FP 170	17,000	13,600	34,000	28,900	23,800	1.60	1.12	1.62	0.80
FP 230	23,000	18,400	46,000	38,100	32,200	1.65	1.25	1.75	1.11
FP 260	26,000	20,800	52,000	44,200	36,400	1.75	1.38	1.88	1.20
FP 320	32,000	25,600	64,000	54,400	33,800	2.15	1.50	2.00	1.60
FP 400	40,000	32,000	80,000	68,000	56,000	2.45	1.62	2.38	1.80
FP 540	54,000	43,200	108,000	91,800	75,600	3.00	1.88	2.75	2.40
FP 680	68,000	54,400	136,000	115,600	95,200	3.25	2.12	3.00	3.00
FP 900	90,000	72,000	180,000	153,000	126,000	3.75	2.50	3.50	3.85

* The Inspectable Roundsling is manufactured with a clear cover, so you are able to visually inspect the load bearing core yarns inside of your roundsling.

Endless Polyester Roundslings

Color	Part No.	Vertical	Choker	V. Basket	Min. Length	Approx. Diameter	Approx. WT/FT
PURPLE	ENR1	2,600	2,100	5,200	2'	.625"	0.3 LBS
GREEN	ENR2	5,300	4,200	10,600	2'	.875"	0.4 LBS
YELLOW	ENR3	8,400	6,700	16,800	2'	1.125"	0.5 LBS
TAN	ENR4	10,600	8,500	21,200	2'	1.125"	0.6 LBS
RED	ENR5	13,200	10,600	26,400	2'	1.375"	0.9 LBS
WHITE	ENR6	16,800	13,400	33,600	2'	1.375"	0.9 LBS
BLUE	ENR7	21,200	17,000	42,400	2'	1.625"	1.3 LBS
ORANGE	ENR8	25,000	20,000	50,000	6'	1.750"	1.6 LBS
ORANGE	ENR9	31,000	24,800	62,000	6'	2.125"	2.0 LBS
ORANGE	ENR11	53,000	42,400	106,000	6'	3.150"	3.4 LBS
ORANGE	ENR12	66,000	52,800	132,000	6'	3.950"	4.3 LBS
ORANGE	ENR13	90,000	72,000	180,000	6'	3.800"	5.9 LBS



Sling Inspection & Removal Criteria Quick-Guide PER ASME B30.9

Wire Rope Slings (PER B30.9)

Wire Rope Slings shall be removed from service if any of the following conditions are present:

1. **Missing or illegible sling identification.**
2. **Broken Wires:**
 - For strand-laid and single-part slings, 10 randomly distributed broken wires in one rope lay, or 5 broken wires in one strand in one rope lay.
 - For cable-laid slings, 20 broken wires per lay.
 - For less than eight-part braided slings, 20 broken wires per braid.
 - For eight-part or more than eight braided slings, 40 broken wires per braid.
3. Severe localized abrasion or scraping.
4. Kinking, crushing, bird caging, or any other damage resulting in damage to the rope structure.
5. Evidence of heat damage.
6. End attachments that are cracked, deformed, or worn to the extent that the strength of the sling is substantially affected.
7. Severe corrosion of the rope, end attachments, or fittings.
8. For hooks, removal criteria as stated in ASME B30.10.
9. For rigging hardware, removal criteria as stated in ASME B30.26
10. Other conditions, including visible damage, that cause doubt as to the continued use of the sling.

Synthetic Flat Web Slings (PER B30.9)

Synthetic Web Slings shall be removed from service if any of the following conditions exist:

1. **Missing or illegible sling identification.**
2. **Acid or caustic burns.**
3. **Melting or charring of any part of the sling.**
4. **Holes, tears, cuts, or snags.**
5. **Broken or worn stitching in load bearing splices.**
6. **Excessive abrasive wear.**
7. **Knots in any part of the sling.**
8. **Discoloration & brittle or stiff areas on any part of the sling, may mean chemical or ultraviolet/sunlight damage.**
9. **Fittings that are pitted, corroded, cracked, bent, twisted, gouged, or broken.**
10. For hooks, removal criteria as stated in ASME B30.10.
11. For rigging hardware, removal criteria as stated in ASME B30.26
12. Other conditions, including visible damage, that cause doubt as to the continued use of the sling.

Alloy Steel Chain Slings (PER B30.9)

Alloy Steel Chain Slings shall be removed from service if any of the following conditions are present:

1. **Missing or illegible sling identification.**
2. **Cracks or breaks**
3. **Excessive wear, nicks, or gouges.**
4. **Stretched chain links or components**
5. **Bent, twisted, or deformed chain links or components.**
6. **Evidence of heat damage.**
7. **Excessive pitting or corrosion.**
8. **Lack of ability of chain or components to hinge (articulate) freely.**
9. **Weld splatter.**
10. For hooks, removal criteria as stated in ASME B30.10
11. For rigging hardware, removal criteria as stated in ASME B30.26
12. Other conditions, including visible damage, that cause doubt as to the continued use of the sling.

Polyester Roundslings (PER B30.9)

Roundslings shall be removed from service if any of the following conditions exist:

1. **Missing or illegible sling identification.**
2. **Acid or caustic burns.**
3. **Evidence of heat damage.**
4. **Holes, tears, cuts, abrasive wear, or snags that expose the core yarns.**
5. **Broken or damaged core yarns.**
6. **Weld splatter that exposes core yarns.**
7. **Knots in the roundslings, except for termination points of core yarns inside the cover.**
8. **Fittings that are pitted, corroded, cracked, bent, twisted, gouged, or broken.**
9. For hooks, removal criteria as stated in ASME B30.10.
10. For rigging hardware, removal criteria as stated in ASME B30.26.
11. Any other condition that may cause doubt as to the continued use of the sling.

Rigging Hardware Inspection & Removal Criteria Quick-Guide

Hooks (PER B30.10)

Hooks having damage or wear described as follows shall be repaired or replaced:

1. **Cracks, nicks, and gouges that compromise the integrity of the hook. Repair of cracks, nicks, and gouges shall be carried out by a designated person by grinding longitudinally, following the contour of the hook, provided no dimension is reduced more than 10% (or as recommended by the manufacturer) of its original value.**
2. **Wear exceeding 10% (or as recommended by the manufacturer) of the original sectional dimension.**
3. **Any visibly apparent bend or twist from the plane of the unbent hook.**
4. **Any distortion causing an increase in throat opening of 5%, not to exceed 1/4 in. (or as recommended by the manufacturer)**
5. **Inability of self-locking hooks to lock.**
6. **A hook latch that is inoperative shall be repaired, replaced, or removed if not required.**
7. **If a required latch is inoperable and cannot be immediately repaired or replaced, the hook shall be sufficiently moused to retain loose items as defined in para. 10-1.3(c) until the latch is repaired or replaced.**
8. **When reassembling shank hooks, original securing methods or manufacturer's recommendations shall be followed.**
9. **All replacement parts shall be at least equal to the original manufacturer's specifications.**
10. **Hooks without provision for latches may be moused to retain loose items as defined in para. 10-1.3(c).**
11. **For special lifting applications where the throat opening is required to be closed, mousing may be used in place of the latch to retain loose items as defined in para. 10-1.3(c), when approved by a qualified person.**

Shackles (PER B30.26)

Shackles shall be removed from service if damage such as the following is visible and shall only be returned to service when approved by a qualified person:

1. **Missing or illegible manufacturer's name or trademark and/or rated load identification.**
2. **Indications of heat damage including weld spatter or arc strikes.**
3. **Excessive pitting or corrosion.**
4. **Bent, twisted, distorted, stretched, elongated, cracked, or broken load-bearing components.**
5. **Excessive nicks or gouges.**
6. **A 10% reduction of the original or catalog dimension at any point around the body or pin.**
7. **Incomplete pin engagement.**
8. **Excessive thread damage.**
9. **Evidence of unauthorized welding.**
10. **Other conditions, including visible damage, that cause doubt as to the continued use of the shackle.**

Eyebolts, Eye Nuts, Swivel Hoist Rings, Turnbuckles (PER B30.26)

Adjustable hardware shall be removed from service if damage such as the following is present and shall only be returned to service when approved by a qualified person:

1. **Missing or illegible identification.**
2. **Indications of heat damage including weld spatter or arc strikes.**
3. **Excessive pitting or corrosion.**
4. **Bent, twisted, distorted, stretched, elongated, cracked, or broken load-bearing components.**
5. **Excessive nicks or gouges.**
6. **A 10% reduction of the original or catalog dimension at any point.**
7. **Excessive thread damage or wear.**
8. **Evidence of unauthorized welding or modification.**
9. **For swivel hoist rings, lack of the ability to freely rotate or pivot.**
10. **Other conditions, including visible damage, that cause doubt as to continued use.**

Links & Rings (PER B30.26)

Links, rings, and swivels shall be removed from service if conditions such as the following are present and shall only be returned to service when approved by a qualified person:

1. **Missing or illegible identification.**
2. **Indications of heat damage, including weld spatter or arc strikes.**
3. **Excessive pitting or corrosion.**
4. **Bent, twisted, distorted, stretched, elongated, cracked, or broken load bearing components.**
5. **Excessive nicks or gouges.**
6. **A 10% reduction of the original or catalog dimension at any point.**
7. **Evidence of unauthorized welding or modification.**
8. **For swivels, lack of the ability to freely rotate when not loaded.**
9. **For swivels, loose or missing nuts, bolts, cotter pins, snap rings, or other fasteners and retaining devices.**
10. **Other conditions, including visible damage that cause doubt as to continued use.**

