



RATED CAPACITIES FOR LIFTING SLINGS

WARNING
Failure to comply with this warning may result in sling failure and severe personal injury or death

- Determine the weight of the load
- Select slings having suitable characteristics for the type of load, hitch and environment.
- Slings must not be loaded in excess of the rated capacity. Consideration should be given to the angle from the horizontal (load to sling angle) which affects rated capacity.
- Slings with fittings used in a choker hitch must be of sufficient length to assure that the choking action is on the web.
- Slings used in a basket hitch must have the load balanced to prevent slippage.
- Slings must not be dragged on the floor or over an abrasive surface.
- Slings must not be twisted, tied into knots or joined by knotting.
- Slings must not be pulled from under loads when the load is resting on the sling.
- Slings must always be protected from being cut by sharp corners, sharp edges, protrusions or abrasive surfaces.
- Do not drop slings equipped with metal fittings.
- The opening in fittings must be proper shape and size to insure that fitting will seat properly in the hook or attachments.

- TYPES OF INSPECTION**
- Initial Inspection** - Before any new or repaired web sling is placed in service, it must be inspected by a designated competent person to ensure that the correct web sling is being used, as well as to determine that the web sling meets the requirements of this specification.
 - Frequent Inspection** - This inspection should be conducted by the person handling the sling each time the sling is used.
 - Periodic Inspection** - This inspection shall be conducted by designated personnel. Frequency of inspection should be based on: frequency of web sling use, severity of service conditions and experience gained on the service life of web slings used in similar applications. Inspections should be conducted at least once a year.

Written inspection records, utilizing the identification for each sling as established by the user, should be kept on file for all slings. These records should show the description of the sling and its condition on each periodic inspection.

REMOVAL CRITERIA

- Removal From Service**
- If sling rated capacity or sling material identification is missing or not legible
 - Acid or alkalis burns
 - Melting, charring or weld spatters on any part of the web sling
 - Holes, tears, cuts, snags or embedded particles
 - Broken or worn stitching in load bearing splices
 - Excessive abrasive wear
 - Knots in any part of the web sling
 - Excessive pitting, corrosion, cracked, distorted or broken fittings
 - Any other visible damages that cause doubt as to the strength of the sling

SYNTHETIC WEB SLING



Synthetic Web Sling type # 1* - 2* - 3 - 4

| Width in. | SINGLE PLY Working Load Limit lbs. | | | | | DOUBLE PLY Working Load Limit lbs. | | | | | |
|-----------|------------------------------------|--------|------------|------------|------------|------------------------------------|--------|------------|------------|------------|--------|
| | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | |
| 1 | 1,600 | 1,280 | 3,200 | 2,770 | 2,260 | 3,100 | 2,400 | 6,200 | 5,300 | 4,300 | 3,100 |
| 2 | 3,100 | 2,480 | 6,200 | 5,360 | 4,380 | 6,200 | 4,960 | 12,400 | 10,730 | 8,760 | 6,200 |
| 3 | 4,700 | 3,760 | 9,400 | 8,140 | 6,640 | 9,400 | 7,400 | 18,800 | 16,200 | 13,200 | 9,400 |
| 4 | 6,200 | 4,960 | 12,400 | 10,730 | 8,760 | 12,400 | 9,920 | 24,800 | 21,470 | 17,530 | 12,400 |
| 6 | 9,300 | 7,440 | 18,600 | 16,100 | 13,150 | 18,600 | 14,880 | 37,200 | 32,210 | 26,300 | 18,600 |
| 8 | 11,750 | 9,400 | 23,500 | 20,350 | 16,610 | 23,500 | 18,800 | 47,000 | 40,500 | 32,900 | 23,500 |
| 10 | 14,700 | 11,760 | 29,400 | 25,460 | 20,780 | 29,400 | 23,520 | 58,800 | 50,800 | 41,100 | 29,400 |
| 12 | 17,650 | 14,120 | 35,300 | 30,560 | 24,950 | 35,300 | 28,240 | 70,480 | 60,200 | 48,200 | 35,300 |

SAFETY FACTOR 5:1

Synthetic Web Sling type # 5

| Width in. | SINGLE PLY Working Load Limit lbs. | | | | | DOUBLE PLY Working Load Limit lbs. | | | | | |
|-----------|------------------------------------|--------|------------|------------|------------|------------------------------------|--------|------------|------------|------------|--------|
| | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | |
| 1 | 3,200 | 2,560 | 6,400 | 5,540 | 4,520 | 6,200 | 4,960 | 12,400 | 10,730 | 8,760 | 6,200 |
| 2 | 6,200 | 4,960 | 12,400 | 10,730 | 8,760 | 12,400 | 9,920 | 24,800 | 21,400 | 17,500 | 12,400 |
| 3 | 9,400 | 7,520 | 18,800 | 16,200 | 13,200 | 18,800 | 14,880 | 37,200 | 32,400 | 26,300 | 18,800 |
| 4 | 12,400 | 9,920 | 24,800 | 21,470 | 17,530 | 24,800 | 19,920 | 49,600 | 42,940 | 35,100 | 24,800 |
| 6 | 18,600 | 14,880 | 37,200 | 32,210 | 26,300 | 37,200 | 29,760 | 74,400 | 64,420 | 52,600 | 37,200 |
| 8 | 23,500 | 18,800 | 47,000 | 40,500 | 32,900 | 47,000 | 37,600 | 94,000 | 81,000 | 65,800 | 47,000 |
| 10 | 29,400 | 23,520 | 58,800 | 50,800 | 41,100 | 58,800 | 47,040 | 117,600 | 101,600 | 81,600 | 58,800 |
| 12 | 35,300 | 28,240 | 70,480 | 60,200 | 48,200 | 70,480 | 56,192 | 140,960 | 123,800 | 99,760 | 70,480 |

SAFETY FACTOR 5:1

Synthetic Web Sling type # 3* - 4*

| Width in. | TRIPLE PLY Working Load Limit lbs. | | | | | QUADRUPLE PLY Working Load Limit lbs. | | | | | |
|-----------|------------------------------------|--------|------------|------------|------------|---------------------------------------|--------|------------|------------|------------|--------|
| | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | |
| 1 | 4,100 | 3,300 | 8,200 | 7,050 | 5,780 | 4,100 | 3,300 | 8,200 | 7,050 | 5,780 | 4,100 |
| 2 | 8,300 | 6,600 | 16,400 | 14,100 | 11,560 | 8,300 | 6,600 | 16,400 | 14,100 | 11,560 | 8,300 |
| 3 | 12,500 | 10,000 | 25,000 | 21,500 | 17,600 | 12,500 | 10,000 | 25,000 | 21,500 | 17,600 | 12,500 |
| 4 | 16,000 | 12,800 | 32,000 | 27,500 | 22,500 | 16,000 | 12,800 | 32,000 | 27,500 | 22,500 | 16,000 |
| 6 | 23,000 | 18,400 | 46,000 | 39,500 | 32,400 | 23,000 | 18,400 | 46,000 | 39,500 | 32,400 | 23,000 |
| 8 | 30,700 | 24,500 | 61,400 | 52,800 | 43,300 | 30,700 | 24,500 | 61,400 | 52,800 | 43,300 | 30,700 |
| 10 | 36,800 | 29,400 | 73,600 | 63,300 | 51,900 | 36,800 | 29,400 | 73,600 | 63,300 | 51,900 | 36,800 |
| 12 | 44,000 | 35,200 | 88,000 | 75,700 | 62,000 | 44,000 | 35,200 | 88,000 | 75,700 | 62,000 | 44,000 |

SAFETY FACTOR 5:1

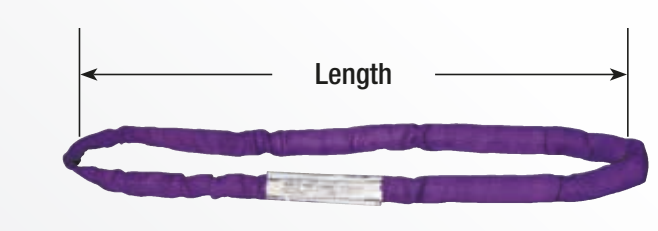
Synthetic Web Sling type # 5

| Width in. | TRIPLE PLY Working Load Limit lbs. | | | | | QUADRUPLE PLY Working Load Limit lbs. | | | | | |
|-----------|------------------------------------|--------|------------|------------|------------|---------------------------------------|--------|------------|------------|------------|--------|
| | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | |
| 1 | 7,900 | 6,300 | 15,800 | 13,600 | 11,100 | 7,900 | 6,300 | 15,800 | 13,600 | 11,100 | 7,900 |
| 2 | 15,800 | 12,600 | 31,600 | 27,300 | 22,300 | 15,800 | 12,600 | 31,600 | 27,300 | 22,300 | 15,800 |
| 3 | 22,900 | 18,300 | 45,800 | 39,600 | 32,300 | 22,900 | 18,300 | 45,800 | 39,600 | 32,300 | 22,900 |
| 4 | 30,600 | 24,400 | 61,200 | 52,900 | 43,700 | 30,600 | 24,400 | 61,200 | 52,900 | 43,700 | 30,600 |
| 6 | 45,800 | 36,600 | 91,600 | 79,300 | 64,700 | 45,800 | 36,600 | 91,600 | 79,300 | 64,700 | 45,800 |
| 8 | 61,200 | 48,900 | 122,400 | 105,900 | 86,500 | 61,200 | 48,900 | 122,400 | 105,900 | 86,500 | 61,200 |
| 10 | 76,500 | 61,200 | 153,000 | 132,400 | 108,100 | 76,500 | 61,200 | 153,000 | 132,400 | 108,100 | 76,500 |
| 12 | 91,800 | 73,400 | 183,600 | 158,900 | 128,800 | 91,800 | 73,400 | 183,600 | 158,900 | 128,800 | 91,800 |

SAFETY FACTOR 5:1

Synthetic slings should be used with wear pads. Wear pads will reduce the wear on the sling, and in turn extend the life of the sling.

SLINGER ROUND SLINGS & SUPER SLINGER



Slinger Polyester Round Slings

| Code | Color Code | Working Load Limit (lbs.) | | | | | | Minimum Length ft. | Diameter in. | Weight lbs./ft. |
|--------|------------|---------------------------|--------|------------|------------|------------|------------|--------------------|--------------|-----------------|
| | | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | Basket 30° | | | |
| SL 30 | Purple | 3,000 | 2,400 | 6,000 | 5,100 | 4,200 | 3,000 | 18' | .75 | .25 |
| SL 40 | Black | 4,000 | 3,200 | 8,000 | 6,900 | 5,600 | 4,000 | 18' | .80 | .35 |
| SL 60 | Green | 6,000 | 4,800 | 12,000 | 10,300 | 8,400 | 6,000 | 18' | .90 | .40 |
| SL 90 | Yellow | 9,000 | 7,200 | 18,000 | 15,500 | 12,600 | 9,000 | 18' | 1.00 | .50 |
| SL 120 | Tan | 12,000 | 9,600 | 24,000 | 20,600 | 16,800 | 12,000 | 18' | 1.25 | .75 |
| SL 140 | Red | 14,000 | 11,200 | 28,000 | 24,100 | 19,600 | 14,000 | 18' | 1.30 | .85 |
| SL 170 | Orange | 17,000 | 13,600 | 34,000 | 29,300 | 23,800 | 17,000 | 18' | 1.60 | .95 |
| SL 230 | Blue | 23,000 | 18,400 | 46,000 | 39,500 | 32,200 | 23,000 | 18' | 1.65 | 1.25 |
| SL 260 | Orange | 26,000 | 20,800 | 52,000 | 44,700 | 36,400 | 26,000 | 2 | 1.75 | 1.45 |
| SL 320 | Grey | 32,000 | 25,600 | 64,000 | 55,000 | 44,800 | 32,000 | 2 | 2.15 | 1.75 |
| SL 400 | Orange | 40,000 | 32,000 | 80,000 | 68,800 | 56,000 | 40,000 | 3 | 2.45 | 2.25 |
| SL 540 | Brown | 54,000 | 43,200 | 108,000 | 92,900 | 75,600 | 54,000 | 4 | 3.00 | 2.75 |
| SL 680 | Olive | 68,000 | 54,400 | 136,000 | 117,000 | 95,200 | 68,000 | 4 | 3.25 | 3.60 |
| SL 900 | Black | 90,000 | 72,000 | 180,000 | 155,000 | 126,000 | 90,000 | 4 | 3.75 | 4.10 |

SAFETY FACTOR 5:1



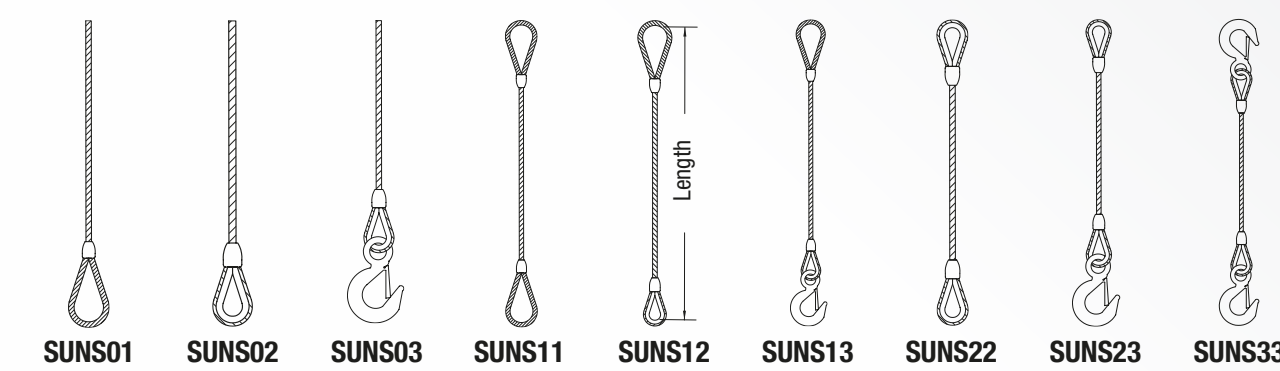
Super Slinger High Performance Round Slings

| Code | Color | Working Load Limit (lbs.) | | | | | Approx. Diameter in. | Approx. Weight / ft. pounds |
|---------|-------|---------------------------|---------|------------|------------|------------|----------------------|-----------------------------|
| | | Vertical | Choker | Basket 90° | Basket 60° | Basket 45° | | |
| SSA200 | Blue | 20,000 | 16,000 | 40,000 | 34,600 | 28,000 | 1 1/4 | 0.55 |
| SSA250 | Blue | 25,000 | 20,000 | 50,000 | 43,200 | 35,000 | 1 1/4 | 0.65 |
| SSA300 | Blue | 30,000 | 24,000 | 60,000 | 51,900 | 42,000 | 1 3/8 | 0.80 |
| SSA400 | Blue | 40,000 | 32,000 | 80,000 | 69,200 | 56,000 | 1 3/4 | 1.10 |
| SSA500 | Blue | 50,000 | 40,000 | 100,000 | 86,500 | 70,000 | 1 7/8 | 1.50 |
| SSA600 | Blue | 60,000 | 48,000 | 120,000 | 103,800 | 84,000 | 2 | 1.60 |
| SSA700 | Blue | 70,000 | 56,000 | 140,000 | 121,100 | 98,000 | 2 1/8 | 1.65 |
| SSA850 | Blue | 85,000 | 68,000 | 170,000 | 147,000 | 119,000 | 2 1/2 | 1.85 |
| SSA1000 | Blue | 100,000 | 80,000 | 200,000 | 173,000 | 140,000 | 2 3/4 | 2.20 |
| SSA1250 | Blue | 125,000 | 100,000 | 250,000 | 216,200 | 175,000 | 3 | 3.00 |
| SSA1500 | Blue | 150,000 | 120,000 | 300,000 | 259,500 | 210,000 | 3 1/4 | 3.35 |
| SSA1750 | Blue | 175,000 | 140,000 | 350,000 | 302,700 | 245,000 | 3 1/2 | 4.00 |
| SSA2000 | Blue | 200,000 | 160,000 | 400,000 | 346,000 | 280,000 | 3 3/4 | 4.35 |
| SSA2250 | Blue | 225,000 | 180,000 | 450,000 | 389,700 | 318,000 | 5 | 5.00 |
| SSA2500 | Blue | 250,000 | 200,000 | 500,000 | 433,000 | 353,000 | 5 1/2 | 5.85 |
| SSA2750 | Blue | 275,000 | 220,000 | 550,000 | 476,300 | 388,000 | 6 | 6.50 |
| SSA3000 | Blue | 300,000 | 240,000 | 600,000 | 519,600 | 424,000 | 6 1/2 | 7.15 |
| SSA4000 | Blue | 400,000 | 320,000 | 800,000 | 692,800 | 565,600 | 7 | 7.00 |
| SSA5000 | Blue | 500,000 | 400,000 | 1,000,000 | 866,000 | 707,000 | 8 | 8.50 |
| SSA6000 | Blue | 600,000 | 480,000 | 1,200,000 | 1,039,200 | 848,400 | 9 | 10.00 |

SAFETY FACTOR 5:1

| | |
|---------------------------|--------------------------|
| Elongation at WLL | 1% |
| Melting Range | 144-152°C |
| Density | Floats |
| Moisture Retention | 1% |
| Yarn Abrasion Resistance | Excellent (yarn on yarn) |
| Cover Abrasion Resistance | Excellent |
| UV Resistance | Very Good |
| Loss Strength when wet | 0% |

WIRE ROPE SLINGS



Wire Rope Slings Single Leg, 6 x 19, 6 x 26, 6 x 36, 6 x 41 Steel Core IPS/EIPS

| Dia. in. | Standard Loops Inside Dia. in. | Hooks Capacity TON | IPS Working Load Limit lbs. | | | | | EIPS Working Load Limit lbs. | | | | | | |
|----------|--------------------------------|--------------------|-----------------------------|--------|--------|--------|--------|------------------------------|--------|--------|--------|--------|--------|--------|
| | | | Vertical | Choker | 90° | 60° | 45° | Vertical | Choker | 90° | 60° | 45° | | |
| 1/4 | 2 x 4 | 1.0 | 1,100 | 800 | 2,200 | 1,900 | 1,500 | 1,100 | 1,300 | 960 | 2,600 | 2,200 | 1,820 | 1,300 |
| 5/16 | 3 x 6 | 1.0 | 1,700 | 1,200 | 3,400 | 2,900 | 2,400 | 1,700 | 2,000 | 1,480 | 4,000 | 3,400 | 2,800 | 2,000 |
| 3/8 | 3 x 6 | 1.5 | 2,400 | 1,800 | 4,800 | 4,100 | 3,300 | 2,400 | 2,800 | 2,200 | 5,800 | 5,000 | 4,000 | 2,800 |
| 7/16 | 4 x 8 | 2.0 | 3,400 | 2,500 | 6,800 | 5,900 | 4,800 | 3,400 | 3,800 | 2,800 | 8,000 | 6,800 | 5,400 | 3,800 |
| 1/2 | 4 x 8 | 3.0 | 4,400 | 3,200 | 8,800 | 7,600 | 6,200 | 4,400 | 5,000 | 3,800 | 10,200 | 8,800 | 7,200 | 5,000 |
| 9/16 | 5 x 10 | 4.5 | 5,540 | 4,030 | 11,080 | 9,570 | 7,810 | 5,540 | 6,400 | 4,800 | 12,800 | 10,880 | 8,960 | 6,400 |
| 5/8 | 5 x 10 | 4.5 | 6,800 | 5,000 | 13,600 | 11,700 | 9,600 | 6,800 | 7,800 | 5,800 | 15,600 | 13,600 | 11,000 | 7,800 |
| 3/4 | 6 x 12 | 7.0 | 9,800 | 7,200 | 19,600 | 16,900 | 13,800 | 9,800 | 11,200 | 8,200 | 22,000 | 19,400 | 15,800 | 11,200 |
| 7/8 | 7 x 14 | 11.0 | 13,200 | 9,600 | 26,400 | 22,800 | 18,600 | 13,200 | 15,200 | 11,200 | 30,0 | | | |