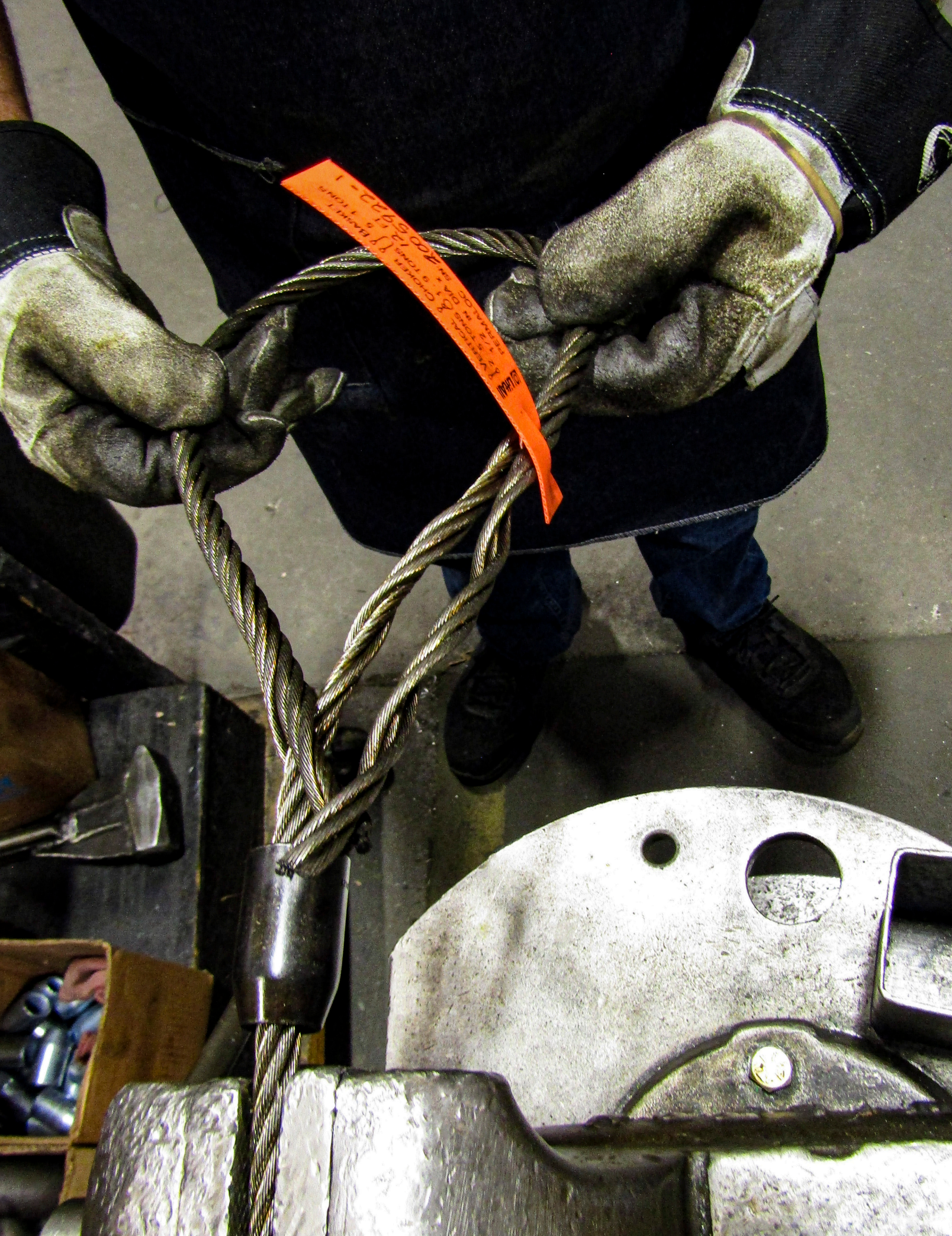


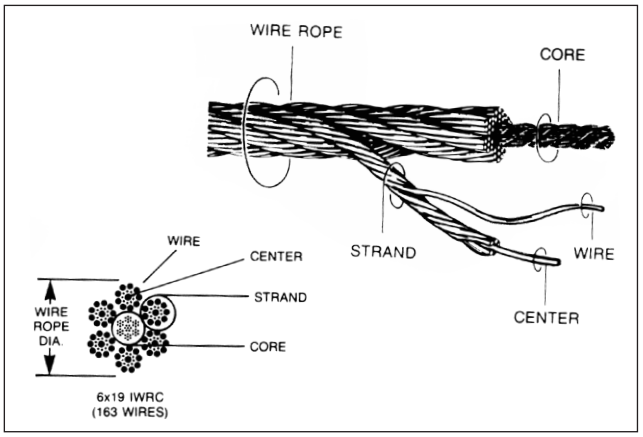
WIRE ROPE AND SLING BASICS

Wire rope slings are both flexible and resistant to abrasion. These characteristics are determined by the rope construction. Fewer wires result in larger diameter wires, better abrasion resistance, and reduced flexibility. More wires result in decreased wire diameter, reduced abrasion resistance, increased flexibility, and kink resistance.

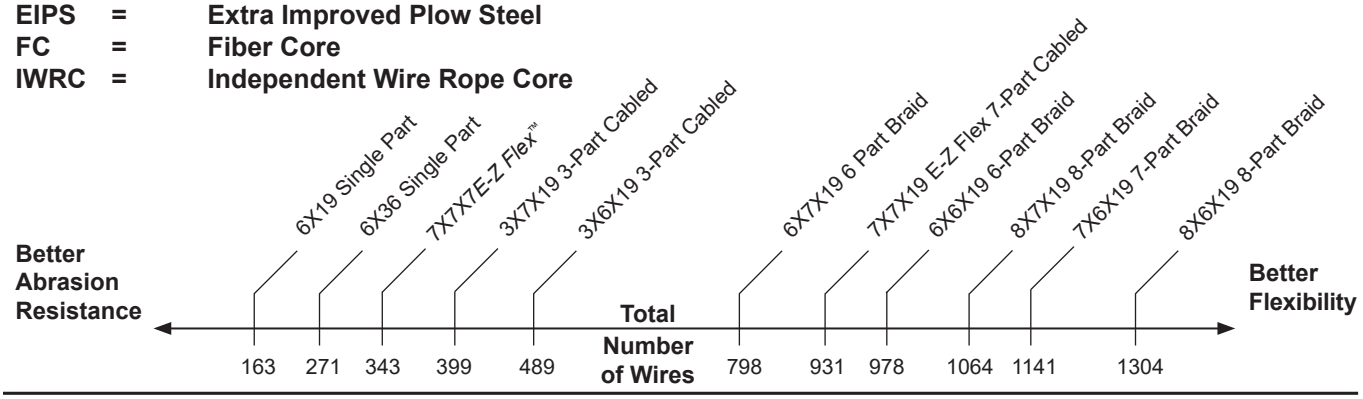
Wire rope products may be proof tested upon request. If they contain swaged terminations and will be used as a sling, they will be 100% proof tested.

The scale below shows the relative position of the sling constructions shown in this catalog as they pertain to abrasion resistance and flexibility.

Wire Rope Construction



EIPS = Extra Improved Plow Steel
FC = Fiber Core
IWRC = Independent Wire Rope Core



WIRE ROPE SLINGS

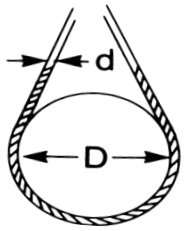
Features and Benefits

- *Tuff-Tag*™ for capacity and serial numbered identification for traceability and compliance with OSHA.
- Least expensive (per capacity), of all steel slings.
- Use of IWRC EIPS rope gives 15% greater capacity than IWRC IP (Improved Plow) ropes.
- Countless combinations of sling terminations: hooks, chokers, and thimbles are available to fit specific lift requirements.

Environmental Considerations

- IWRC must not be used at temperatures above 400°F.
- FC must not be used at temperatures above 180°F.
- Fiber core ropes should not be subjected to degreasing solvents.

D/d - Basket Hitch Effect



Tests have shown that when a sling body is bent around a diameter, the strength of the sling is decreased.

D/d ratio is the ratio of the diameter around which the sling is bent, divided by the body diameter of the sling.

The capacities in this catalog are based on the minimum D/d ratios that appear below each of the capacity tables. For more severe bending conditions, contact *Lift-All* for revised capacities.

Effect of Shackle Pin or Crane Hook on Sling Eye

Damage to slings can occur if the wrong size pin or hook is used. The width of the hook should never exceed the natural inside width of the eye.

The eye dimension for each type and size of the slings are shown in the capacity tables of this catalog. If your pin or hook is large, request an oversized eye.

HOW TO ORDER WIRE ROPE SLINGS

Prior to sling selection and use, review and understand the General Information section in this catalog. We have developed the following wire rope sling code system to help you in ordering these products.

114 637 I EE X 12

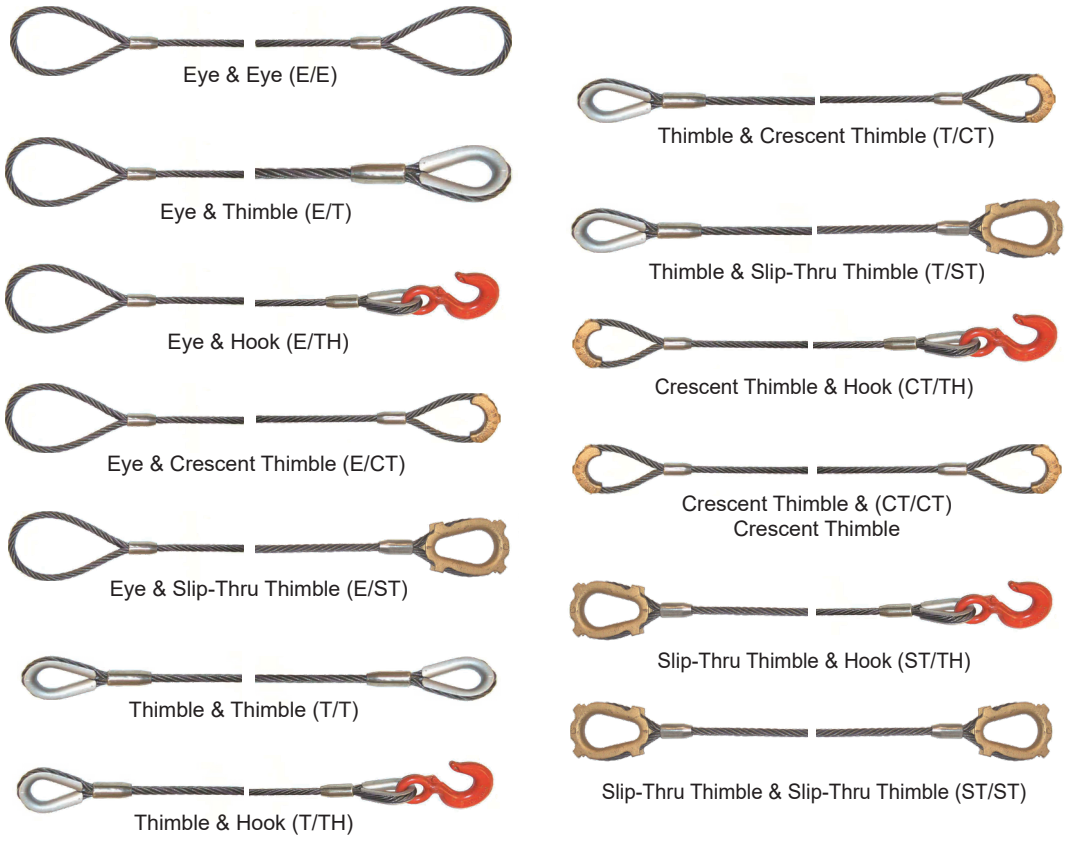
- **114** — Define rope diameter. 1-1/4" shown in example.
- **637** — Leave blank for 6X19 IWRC EIPS construction. If other rope is desired, enter **637** for a 6X37 construction, or **EZ** for cable laid rope.
- **I** — Insert an "**I**" for slings made using import rope. Leave blank for domestic rope.
- **EE** — Show end terminations or other combinations. See below or use the following:

Eye & Eye		**EE**
Bridles:	2-Leg	**2LB**
	3-Leg	**3LB**
	4-Leg	**4LB**
Endless		**EN**
Braids:	3-Part	**3PEE**
	6-Part	**6PEE**
	7-Part	**7PEE**
	8-Part	**8PEE**

- **X** — **'X'**
- **12** — Sling Length (ft.) Refer to drawings on following pages on how to measure.

Note: Proof-testing with certification is available for all slings at an additional charge.

Standard Combinations



Sliding Choker

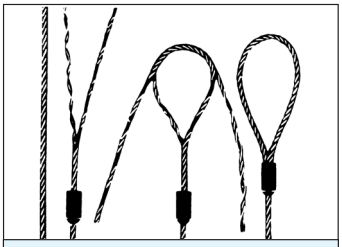
Tolerances and Minimum Lengths
Refer to tables for tolerances and minimum lengths.

Stretch
Approximately 1% at rated capacity.

Wire Rope Class
Standard rope classes are shown for each type and size of sling in the charts. Specific rope constructions are available upon request.

PERMALOC™ WIRE ROPE SLINGS

Lift-All Permaloc slings are made using the Flemish Eye splice technique to form the eyes. Unlike the simple return loop method that places 100% of its strength on the swaged sleeve, *Permaloc* slings have reserve strength should the sleeve become damaged in use.



Flemish Eye splice technique

Tag Attachment

Features and Benefits

Maintains all the basic *Lift-All* wire rope sling features plus...

Promotes Safety

- Reserve strength: Integrity of eyes not solely dependent upon steel sleeves.
- IWRC resists crushing better than FC ropes.

Saves Money

- When specified, thimble eyes protect wire rope from wear for increased life.
- Good abrasion resistance for longer life.

IWRC (Independent Wire Rope Core)

Fiber core available at reduced capacities

Wire Rope Class		Rope Dia. (in.)	EIPS IWRC Rated Capacity* (tons) Vertical	Choker	Vertical Basket	[1]Min. Sling Length	Standard Eye Size W X L (in.)	Thimbled Eye Size W X L (in.)	Eye Hook Cap. (tons)	Crescent Thimble Eye Size W X L (in.)	Slip Thru Thimble Eye Size W X L (in.)	Sliding Choker Hook ** (in.)
	6X19 EIPS IWRC	1/4	.65	.48	1.3	1'-6"	2 X 4	0.88 X 1.63	1	2 X 4	2.13 X 4.13	3/8
		5/16	1.0	.74	2.0	1'-9"	2.5 X 5	1.06 X 1.88	1	2 X 4	2.50 X 4.13	3/8
		3/8	1.4	1.1	2.9	2'-0"	3 X 6	1.13 X 2.13	1.5	2 X 4	2.50 X 4.13	3/8
		7/16	1.9	1.4	3.9	2'-3"	3.5 X 7	1.25 X 2.25	2	2 X 5	2.38 X 4.38	1/2
		1/2	2.5	1.9	5.1	2'-6"	4 X 8	1.5 X 2.75	3	2.25 X 6	2.38 X 4.38	1/2**
		9/16	3.2	2.4	6.4	2'-9"	4.5 X 9	1.5 X 2.75	4.5	2.25 X 7	2.38 X 4.38	5/8
		5/8	3.9	2.9	7.8	3'-0"	5 X 10	1.75 X 3.25	4.5	2.75 X 7	3.38 X 6.63	5/8**
		3/4	5.6	4.1	11	3'-6"	6 X 12	2 X 3.75	7	3.25 X 8.5	3.38 X 6.63	3/4**
		7/8	7.6	5.6	15	4'-0"	7 X 14	2.25 X 4.25	11	4.5 X 10	3.75 X 7.13	7/8
		1	9.8	7.2	20	4'-6"	8 X 16	2 X 4.5	11	4.5 X 11.5	3.75 X 7.13	1
		1-1/8	12	9.1	24	5'-0"	9 X 18	2.88 X 5.13	15	4.88 X 13	4.38 X 8.38	1-1/8
	6X37 EIPS IWRC	1-1/4	15	11	30	5'-6"	10 X 20	3.5 X 6.5	15	5.5 X 14.5	4.38 X 8.38	1-1/4
		1-3/8	18	13	36	6'-0"	11 X 22	3.5 X 6.25	22	6 X 16	5 X 9.5	1-3/8
		1-1/2	21	16	42	7'-0"	12 X 24	3.5 X 6.25	22	6 X 17.5	5 X 9.5	1-1/2**
		1-3/4	28	21	57	8'-0"	14 X 28	4.5 X 9	30	7 X 20	6.75 X 11.75	–
		2	37	28	73	9'-0"	16 X 32	6 X 12	37	7.X 23.5	8 X 14.5	–
		2-1/4	44	35	89	10'-0"	18 X 36	7 X 14	45	8.5 X 26	8 X 15.5	–
		2-1/2	54	42	109	11'-0"	20 X 40	–	–	8.5 X 29.5	–	–

[1] Minimum sling length when using standard eyes. ** See sliding choker hook capacities in Hardware section when using these hooks.

Note: Larger diameter slings available. Basket ratings are based on a minimum D/d of 25.

Length Tolerances (Single Part Wire Rope Slings): Standard length tolerance is plus or minus two rope diameters, **OR** plus or minus 0.5% of the sling length, whichever is greater.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

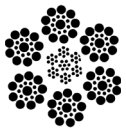
PERMALOC™ BRIDLE SLINGS

Features and Benefits

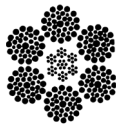
Maintains all the basic *Lift-All* wire rope sling features plus...

- Bridles provide better load control and balance.
- Independent wire rope core resists crushing.
- Alloy steel hardware assures long life.
- Thimble eyes protect wire rope from wear for increased life.
- Reduces load damage by using fixed points on load.
- Easier rigging provided when hooking into fixed lifting points.

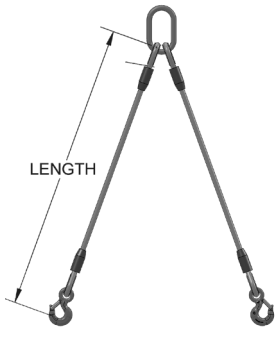
Bridle Slings
(With Single Part Body)



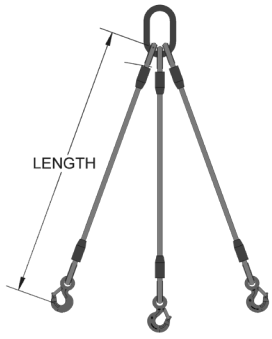
6X19



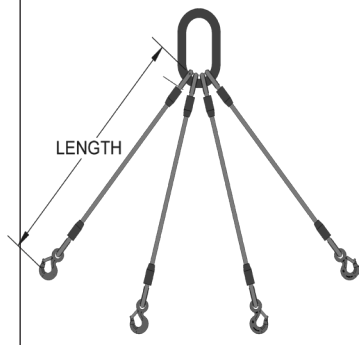
6X37



2-Leg Bridle



3-Leg Bridle



4-Leg Bridle

	Rope Dia. (in.)	[1]Min. Sling Length	Eye Hook Cap. (tons)	2-Leg Bridle Rated Capacity* (tons) 60°	45°	30°	2-Leg Bridle Oblong Link Stock Dia. (in.)	3-Leg Bridle Rated Capacity* (tons) 60°	45°	30°	3-Leg Bridle Oblong Link Stock Dia. (in.)	4-Leg Bridle Rated Capacity* (tons) 60°	45°	30°	4-Leg Bridle Oblong Link Stock Dia. (in.)
6X19 EIPS 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'-0"	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	11	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'-0"	15	21	17	12	1-1/2	31	26	18	1-3/4	42	34	24	2-3/4
6X37 EIPS 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'-0"	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'-0"	37	63	52	37	2-3/4	-	-	-	-	-	-	-	-

[1] Minimum length based on thimbled eye and eye. Other fittings and latches are available upon request.

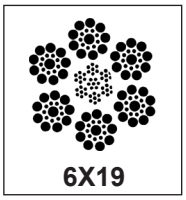
Length Tolerances (Single Part Wire Rope Slings): Standard length tolerance is plus or minus two rope diameters, **OR** plus or minus 0.5% of the sling length, whichever is greater. The legs of bridle slings, or matched slings are normally held to within one rope diameter.

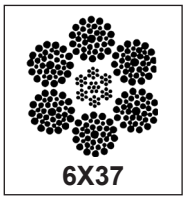
Import hooks with latches standard on import rope bridles. Domestic hooks with optional latches are standard on domestic rope bridles.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

ENDLESS SLINGS

Made from one 6X19 or 6X37 EIPS IWRC wire rope, mechanically joined with steel sleeves. Achieves higher capacities at a lower cost.


6X19


6X37

Features and Benefits

Maintains all the basic *Lift-All* wire rope sling features plus...

Promotes Safety

- Load stability and balance can be achieved by spreading sling legs in a basket or choker hitch.

Saves Money

- Wear points can be shifted to extend sling life.
- The most versatile style of sling - fewer slings to inventory.

Saves Time

- More flexible than eye slings of comparable strength.
- Ideal for turning loads.

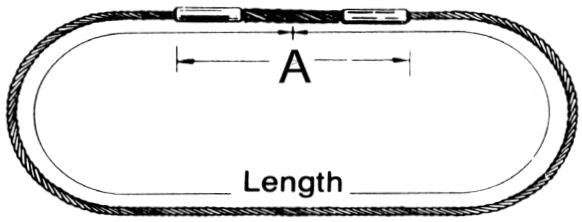
⚠ WARNING

Do not lift with hook in splice area as sling damage may occur.

Endless – Mechanical Splice

Rope Dia. (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Minimum Sling Length	Splice Length A (in.)
1/4	1.0	.71	2.0	3'-0"	8
5/16	1.6	1.1	3.1	3'-0"	8
3/8	2.3	1.6	4.5	3'-0"	8
7/16	3.1	2.1	6.1	6'-0"	10
1/2	3.9	2.8	7.9	6'-0"	10
9/16	5.0	3.5	10	6'-0"	10
5/8	6.1	4.3	12	6'-0"	10
3/4	8.8	6.2	18	8'-0"	16
7/8	12	8.3	24	8'-0"	18
1	15	11	31	8'-0"	20

Do not lift with hook in splice area as sling damage may occur.



Order length by circumference

Notes:

1. Three sleeves used on 3/4" diameter and larger.
2. Vertical and basket ratings are based on a minimum D/d of 5.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

E-Z FLEX™ CABLE LAID SLINGS

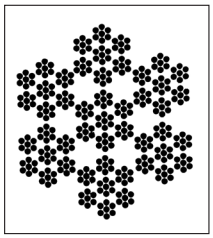
E-Z Flex slings are made from a machine laid rope that consists of seven individual, galvanized ropes.

Features and Benefits

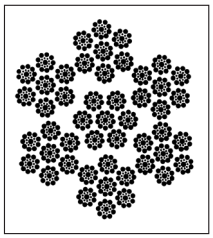
Maintains all the basic *Lift-All* wire rope sling features plus...

Saves Money

- Superior flexibility - resists damage from kinking.
- Galvanized coating for corrosion resistance and longer life.

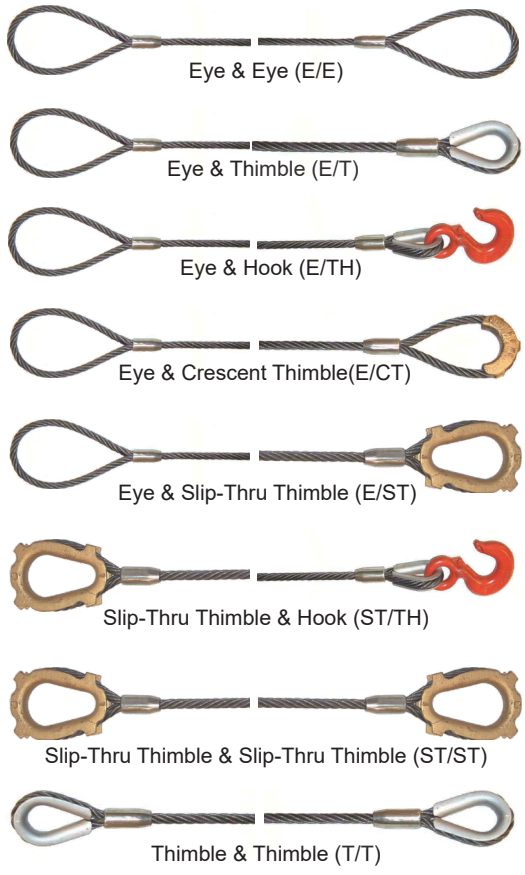


7X7X7



7X7X19

Standard Combinations



	Rope Diameter (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	**Min. Sling Length	Standard Eye Size (in.) W X L	Thimbled Eye Size (in.) W X L	Eye Hook Cap. (tons)	Crescent Thimble Eye Size (in.) W X L	Slip Thru Thimble Eye Size (in.) W X L	Sliding Choker Hook (in.)
7X7X7	1/4	.50	.34	1.0	1'-6"	2 X 4	.88 X 1.63	1	2 X 4	2.13 X 4.13	3/8
	3/8	1.1	.74	2.2	2'-0"	3 X 6	1.13 X 2.125	1.5	2 X 4	2.13 X 4.13	3/8
	1/2	1.9	1.3	3.7	2'-6"	4 X 8	1.5 X 2.75	2	2.25 X 6	2.38 X 4.38	1/2
	5/8	2.8	1.9	5.5	3'-0"	5 X 10	1.75 X 3.25	3	2.75 X 7	3.38 X 6.63	5/8
7X7X19	3/4	4.1	2.8	8.1	3'-6"	6 X 12	2 X 3.75	4.5	3.25 X 8.5	3.38 X 6.63	3/4
	7/8	5.4	3.7	11	4'-0"	7 X 14	2.25 X 4.25	7	4.5 X 10	3.75 X 7.13	7/8
	1	6.9	4.7	14	4'-6"	8 X 16	2.5 X 4.5	7	4.5 X 11.5	3.75 X 7.13	1
	1-1/8	8.3	5.8	17	5'-0"	9 X 18	2 .88 X 5.13	11	4.88 X 13	4.38 X 8.38	1-1/8
	1-1/4	9.9	7.0	20	5'-6"	10 X 20	3.5 X 6.5	11	5.5 X 14.5	4.38 X 8.38	1-1/4
	1-1/2	13	9.1	26	7'-0"	12 X 24	3.5 X 6.25	15	6 X 17.5	5 X 9.5	1-1/2

**Minimum sling length when using standard eyes.
Basket ratings are based on a minimum D/d of 10.

Other fittings are available upon request.
Hooks with latches are standard on import assemblies; optional on domestic.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

E-Z FLEX™ TWO LEG BRIDLE SLINGS

Features and Benefits

Maintains all the basic *Lift-All* wire rope sling features plus...

Promotes Safety

- Bridles provide better load control and balance.

Saves Money

- Excellent flexibility - resists damage from kinking.
- Galvanized coating for corrosion resistance and longer life.
- Alloy steel hardware assures long life.

Saves Time

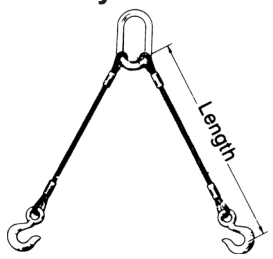
- Easier rigging when hooking into fixed lifting points.
- Sliding choker hook speeds rigging of bundled materials.

⚠ WARNING

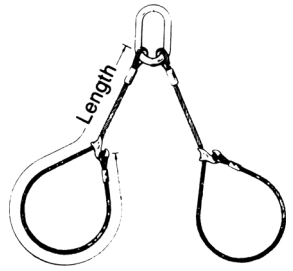
Do not lift with hook in splice area as sling damage may occur.

E-Z FLEX 2-Leg Bridles

Eye Hook



Choker



	Rope Dia. (in.)	Rated Capacity* (tons) 60°	45°	30°	60°	45°	30°	**Min. Sling Length	Oblong Link Stock Dia. (in.)	Eye Hook Cap. (tons)	Sliding Choker Hook (in.)
7X7X7	1/4	.87	.71	.50	.60	.49	.34	1'-3"	1/2	1	3/8
	3/8	1.9	1.5	1.1	1.3	1.0	.74	1'-8"	1/2	1-1/2	3/8
	1/2	3.2	2.6	1.9	2.2	1.8	1.3	2'-0"	3/4	2	1/2
	5/8	4.8	3.9	2.8	3.3	2.7	1.9	2'-4"	1	3	5/8
7X7X19	3/4	7.0	5.8	4.1	4.8	3.9	2.8	2'-9"	1	4-1/2	3/4
	7/8	9.4	7.6	5.4	6.4	5.2	3.7	3'-3"	1	7	7/8
	1	12	9.7	6.9	8.2	6.7	4.7	3'-6"	1 1-/4	7	1
	1-1/8	14	12	8.3	10	8.2	5.8	4'-0"	1-1/2	11	1-1/8
	1-1/4	17	14	9.9	12	9.8	7.0	4'-6"	1-1/2	11	1-1/4
	1-1/2	22	18	13	15	13	9.1	5'-6"	2	15	1-1/2

** Minimum length based on thimbled eye and eye hook.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

E-Z FLEX™ ENDLESS SLINGS

Features and Benefits

Maintains all the basic *Lift-All* wire rope sling features plus...

Promotes Safety

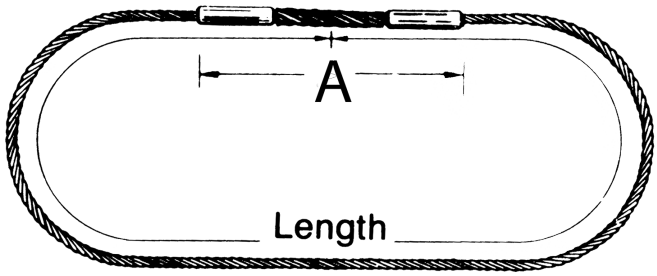
- Load stability and balance achieved by spreading sling legs in basket and choker hitches.

Saves Money

- Wear points can be shifted to extend sling life.
- Smaller rope diameter per capacity increases flexibility.

Saves Time

- Ideal for turning loads.
- More flexible than eye slings of comparable strength.



Order length by circumference

Note: Three sleeves used on 3/4" diameter and larger.

E-Z FLEX Endless Slings

	Rope Dia. (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Min. Sling Length	Splice Length A (in.)
7X7X7	**1/4**	.83	.54	1.7	2'-3"	10
	3/8	1.8	1.2	3.6	3'-0"	10
	1/2	3.0	2.0	6.1	4'-0"	12
	5/8	4.6	3.0	9.1	5'-0"	12
7X7X19	**3/4**	6.7	4.3	13	6'-0"	18
	7/8	8.9	5.8	18	7'-0"	18
	1	11	7.3	23	8'-0"	20

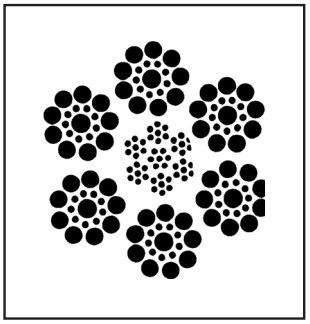
Vertical and Basket ratings are based on a minimum D/d of 5.

⚠ WARNING
Do not lift with hook in splice area as sling damage may occur.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

HIDDEN TUCK HAND SPLICED SLINGS

Features and Benefits



Maintains all the basic *Lift-All* wire rope sling features plus...

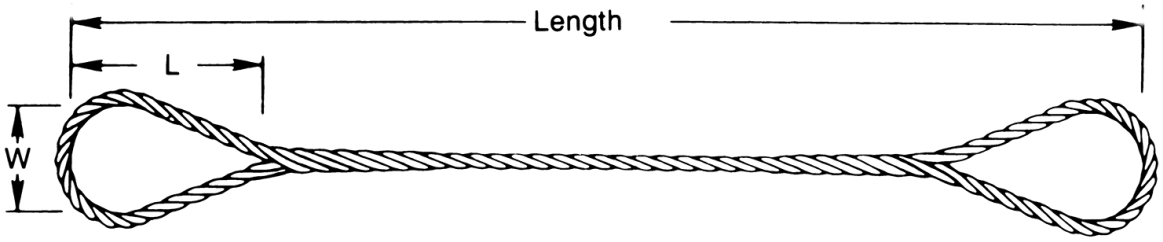
Promotes Safety

- Hidden tuck buries wire ends to avoid snags and injuries.

Saves Time

- No steel sleeves to catch under load.

Note: Contact Customer Service for pricing and availability.



Hidden Tuck Hand Spliced – Fiber Core

	Rope Dia. (in.)	EIPS FC Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Min. Sling Length	Standard Eye Size W x L (in.)
6X19 EIPS FC	1/4	.54	.42	1.1	2'-0"	3 X 6
	5/16	.83	.66	1.7	2'-3"	3 X 6
	3/8	1.2	.94	2.4	2'-6"	3 X 6
	7/16	1.6	1.3	3.2	2'-9"	3.5 X 7
	1/2	2.0	1.6	4.0	3'-0"	4 X 8
	9/16	2.5	2.1	5.0	3'-6"	4.5 X 9
	5/8	3.1	2.6	6.2	4'-0"	5 X 10
	3/4	4.3	3.7	8.6	4'-6"	6 X 12
	7/8	5.7	5.0	11	5'-6"	7 X 14
	1	7.4	6.4	15	6'-0"	8 X 16

Basket ratings are based on a minimum D/d of 15.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

MULTI-PART CABLED SLINGS

3-Part Cabled

Constructed by hand cabling one rope to form a 3-part body with 2-part eyes.

Features and Benefits

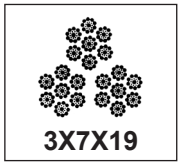
Maintains all the basic *Lift-All* wire rope sling features plus…

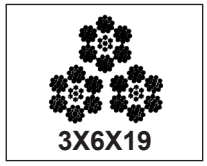
Saves Money

- Good abrasion resistance increases useful life of sling.
- Resists damage from kinking.

Saves Time

- Flexible and easy to handle.
- Small sleeve over component rope won't get in the way.





3-Part Cabled

	Component Rope (in.)	Sling Body Dia. (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Min. Sling Length	Standard Eye W X L (in.)	Crescent Thimble Eye Size W X L (in.)	Slip-Thru Thimble Eye Size W X L (in.)
7X19 GAC	3/16	3/8	1.2	.82	2.4	2'-0"	3 X 6	2 X 4	2.13 X 4.13
	1/4	1/2	1.9	1.3	3.9	2'-6"	4 X 8	2.25 X 4	2.38 X 4.38
	5/16	5/8	3.0	2.1	6.0	3'-0"	5 X 10	2.75 X 5	3.38 X 6.63
	3/8	3/4	4.3	2.9	8.6	3'-6"	6 X 12	3.25 X 6	3.38 X 6.63
6X19 EIPS IWRC	7/16	7/8	5.8	4.0	12	4'-0"	7 X 14	4.5 X 9	3.75 X 7.13
	1/2	1	7.6	5.2	15	4'-6"	8 X 16	4.5 X 9	3.75 X 7.13
	9/16	1-1/8	9.6	6.6	19	5'-0"	9 X 18	4.88 X 10	4.38 X 8.38
	5/8	1-1/4	12	8.0	23	5'-6"	10 X 20	5.5 X 11	4.38 X 8.38
	3/4	1-1/2	17	11	34	7'-0"	11 X 22	6 X 12	5 X 9.5

Basket ratings based on a minimum D/d of 10 (using sling body dia.).

7-Part Cabled

Constructed by hand cabling one rope to form a 7-part body with 4-part eyes.

Features and Benefits

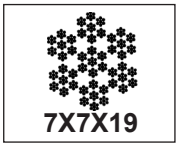
Maintains all the basic *Lift-All* wire rope sling features plus...

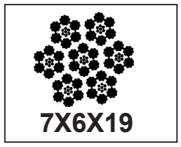
Saves Money

- Resists damage from kinking.

Saves Time

- Superior flexibility makes sling easy to rig and use.
- Small sleeve over component rope won't get in the way.





7-Part Cabled

	Component Rope Dia. (in.)	Sling Body Dia. (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Min. Sling Length	Standard Eye W X L (in.)	Crescent Thimble Eye Size W X L (in.)	Slip-Thru Thimble Eye Size W X L (in.)
7X19 GAC	1/8	3/8	1.3	.91	2.6	2'-0"	3 X 6	2 X 4	2.13 X 4.13
	3/16	9/16	2.8	1.9	5.6	2'-6"	4 X 8	2.25 X 6	2.38 X 4.38
	1/4	3/4	4.7	3.2	9.3	3'-0"	5 X 10	2.75 X 7	3.38 X 6.63
	5/16	15/16	6.5	4.5	13	3'-6"	6 X 12	3.25 X 8.50	3.75 X 7.13
	3/8	1-1/8	9.6	6.6	19	4'-0"	7.5 X 15	4.50 X 10	3.75 X 7.13
6X19	7/16	1-5/16	14	9.3	27	4'-6"	9 X 18	4.88 X 13	4.38 X 8.38
	1/2	1-1/2	18	12	35	5'-0"	10 X 20	5.50 X 14.50	4.38 X 8.38

Basket ratings based on a minimum D/d of 10 (using sling body dia.). See first page of Wire Rope section.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

MULTI-PART BRAIDED SLINGS

6-Part Flat Braid

Constructed by braiding one rope to form a 6-part flat body with web seized eyes.

Features and Benefits

Maintains all the basic *Lift-All* wire rope sling features plus...

Promotes Safety

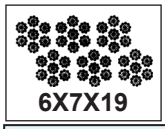
- Wide bearing surface provides better load control and balance.
- Resists rotation, improving load control.

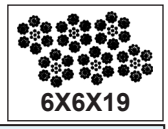
Saves Money

- Resists damage from kinking.
- Reduces load damage.

Saves Time

- Flexible - easy to rig.





6-Part Flat Braid

	Component Rope Dia. (in.)	Sling Body Dia. (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Min. Sling Length	Standard Eye W X L (in.)	Crescent Thimble Eye Size W X L (in.)	Slip-Thru Thimble Eye Size W X L (in.)
7X19 GAC	1/8	9/16 X 3/8	.84	.74	1.7	2'-0"	3 X 6	2 X 4	2.13 X 4.13
	3/16	13/16 X 1/2	1.8	1.5	3.5	3'-0"	4 X 8	2.25 X 7.0	2.38 X 4.38
	1/4	1-1/8 X 11/16	2.9	2.6	5.9	3'-6"	5 X 10	3.25 X 8.5	3.38 X 6.63
	5/16	1-3/8 X 7/8	4.1	3.6	8.2	4'-6"	6 X 12	4.5 X 11.5	3.38 X 6.63
	3/8	1-11/16 X 1	6.0	5.3	12	5'-0"	7 X 14	4.88 X 13	3.75 X 7.13
6X19 EIPS IWRC	7/16	2 X 1-3/16	8.6	7.5	17	6' 0"	8 X 16	6.0 X 16	3.75 X 7.13
	1/2	2-1/4 X 1-5/16	11	9.8	22	6' 6"	9 X 18	6.0 X 17.5	4.38 X 8.38
	9/16	2-1/2 X 1-1/2	14	12	28	7' 0"	10 X 20	7.0 X 20	4.38 X 8.38
	5/8	2-13/16 X 1-11/16	17	15	35	8' 0"	11 X 22	7.0 X 23.5	5.0 X 9.50
	3/4	3-3/8 X 2	25	22	49	9' 0"	12 X 24	8.5 X 26	6.75 X 11.75

Basket ratings based on a minimum D/d of 10 (using sling body dia.). See first page of Wire Rope section.

8-Part Round Braid

Constructed by braiding one rope to form an 8-part round body with 4-part web seized eyes.

Features and Benefits

Maintains all the basic *Lift-All* wire rope sling features plus...

Promotes Safety

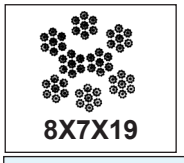
- Resists rotation, for improved load control.

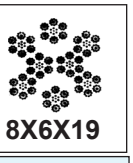
Saves Money

- The most kink-resistant wire rope sling available.
- Greater flexibility for reduced load damage.

Saves Time

- Flexible - easy to rig.





8-Part Round Braid

	Component Rope Dia. (in.)	Sling Body Dia. (in.)	Rated Capacity* (tons) Vertical	Choker	Vertical Basket	Min. Sling Length	Standard Eye W x L (in.)	Crescent Thimble Eye Size W x L (in.)	Slip Thru Thimble Eye Size W x L (in.)
7X19 GAC	1/8	9/16	1.1	1.0	2.2	2'-0"	3 X 6	2 X 4	2.13 X 4.13
	3/16	13/16	2.4	2.1	4.7	3'-0"	4 X 8	2.25 X 6	2.38 X 4.38
	1/4	1-1/8	3.9	3.4	7.8	3'-6"	5 X 10	3.25 X 8	3.38 X 6.63
	5/16	1-3/8	5.5	4.8	11	4'-6"	6 X 12	4.50 X 10	3.75 X 7.13
	3/8	1-1/16	8.1	7.1	16	5'-0"	7 X 14	4.63 X 12	3.75 X 7.13
6X19 EIPS IWRC	7/16	2	11	10	23	6' 0"	8 X 16	5.50 X 14	4.38 X 8.38
	1/2	2-1/4	15	13	30	6' 6"	9 X 18	6.0 X 16	5.00 X 9.50
	9/16	2-1/2	19	16	38	7' 0"	10 X 20	6.50 X 18	5.00 X 9.50
	5/8	2-13/16	23	20	46	8' 0"	11 X 22	7.0 X 20	6.75 X 11.75
	3/4	3-3/8	33	29	66	9' 0"	12 X 24	8.0 X 24	8.00 X 14.50

Basket ratings based on a minimum D/d of 10 (using sling body dia.). See first page of Wire Rope section.

* **⚠ WARNING** Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°. Refer to the Effect of Angle chart in the General Information section of this catalog.

BLACK WIRE ROPE SLINGS

An ideal solution for the Entertainment Industry

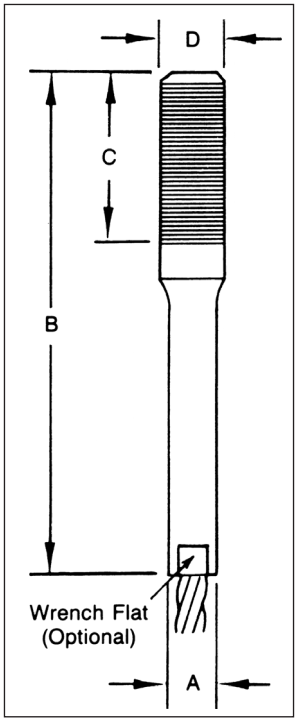
Wire Diameter		Part Number	Description	Rated Capacity (lbs.) Vertical	Rated Capacity (lbs.) Basket @90°
7X19	3/8”	38719BTTX18IN 38719BTTX2 38719BTTX30IN 38719BTTX3 38719BTTX5 38719BTTX6 38719BTTX10 38719BTTX15 38719BTTX25 38719BTTX30 38719BTTX50	3/8” T/T 7x19 Black Coated GAC Import Wire Rope Sling	2,600	5,200
6X19	1/2”	12BGTTX18IN 12BGTTX2 12BGTTX30IN 12BGTTX3 12BGTTX5 12BGTTX6 12BGTTX10 12BGTTX15 12BGTTX20 12BGTTX25 12BGTTX30 12BGTTX50	1/2” T/T 6x19 Black Coated Galvanized IWRC *Permaloc*™ Import Wire Rope Sling	5,000	10,200

Features and Benefits

- Standard sizes available from 18" to 50’.
- Designed for entertainment stage rigging.
- Heat resistant for your most demanding suspension applications.
- Black color conceals sling in the ceiling better than silver wire rope.
- A grey capacity tag with black lettering aids in the camouflage of the sling.
- Heavy duty thimble / thimble configuration protects rope eyes from wear for increased life.
- Available in 1/2” 6x19 black imported galvanized IWRC and 3/8” 7x19 black import GAC.

SWAGED THREADED STUDS

- Choice of studs made of specially selected carbon steel or stainless steel.
- Custom OEM engineering available.

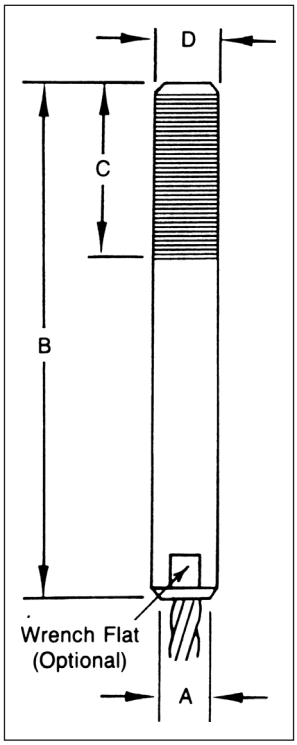


Straight Threaded Studs

Part Number	Rope Dia. (in.)	Nominal Breaking Strength* (tons)	Dimensions (in.)				N.C.** Thread	N.F. Thread
			After Swage A	Approx. B	C	D		
STS-8	1/4	3.4	0.44	4.06	1.50	0.50	13	20
STS-10	5/16	5.3	0.56	5.25	1.88	0.63	11	18
STS-12	3/8	7.6	0.63	6.25	2.25	0.75	10	16
STS-14	7/16	10.2	0.75	7.31	2.63	0.88	9	14
STS-16	1/2	13.3	0.88	8.25	3.00	1.00	8	14
STS-18	9/16	16.8	1.00	9.25	3.38	1.13	7	12
STS-20	5/8	20.6	1.13	10.13	3.75	1.25	7	12
STS-24	3/4	29.4	1.25	12.81	4.50	1.50	6	12
STS-28	7/8	39.5	1.50	14.56	5.25	1.75	5	12
STS-32	1	51.7	1.75	16.25	6.00	2.00	4.5	12
STS-36	1-1/8	65.0	2.00	18.25	6.75	2.25	4.5	12
STS-40	1-1/4	79.9	2.25	20.25	7.50	2.50	4	12

* Nominal breaking strength based on 6X19 or 6X37 IWRC EIPS wire rope, with assembly used as a straight tension member.

** N.C. - Coarse threads are standard.



Turned Threaded Studs

Part Number	Rope Dia. (in.)	Nominal Breaking Strength* (tons)	Dimensions (in.)				N.C.** Thread	N.F. Thread
			After Swage A	Approx. B	C	D		
TTS-10	5/16	5.3	0.63	5.72	1.75	0.63	11	18
TTS-12	3/8	7.6	0.75	6.75	2.00	0.75	10	16
TTS-14	7/16	10.2	0.88	7.66	2.25	0.88	9	14
TTS-16	1/2	13.3	1.00	8.56	2.50	1.00	8	14
TTS-18	9/16	16.8	1.13	9.63	2.75	1.13	7	12
TTS-20	5/8	20.6	1.25	10.66	3.13	1.25	7	12
TTS-24	3/4	29.4	1.50	12.69	3.75	1.50	6	12
TTS-28	7/8	39.5	1.75	14.63	4.38	1.75	5	12
TTS-32	1	51.7	2.00	16.66	5.00	2.00	4.5	12
TTS-36	1-1/8	65.0	2.25	18.63	5.63	2.25	4.5	12
TTS-40	1-1/4	79.9	2.50	20.66	6.25	2.50	4	12
TTS-44	1-3/8	96.0	2.75	22.53	6.88	2.75	4	12
TTS-48	1-1/2	114	3.00	24.50	7.50	3.00	4	12

* Nominal breaking strength based on 6X19 or 6X37 IWRC EIPS wire rope, with assembly used as a straight tension member.

** N.C. - Coarse threads are standard.

SWAGED SOCKET ASSEMBLIES

Features and Benefits

Promotes Safety

- Achieves 100% of nominal rope breaking strength. When any wire rope assembly is being used as a sling, it shall then contain “sling” in the product description. This designation becomes additionally important whenever it contains swaged end hardware as it must then be 100% proof tested. In accordance with ASME B30.9, sling assemblies must also be tagged with necessary ID information.

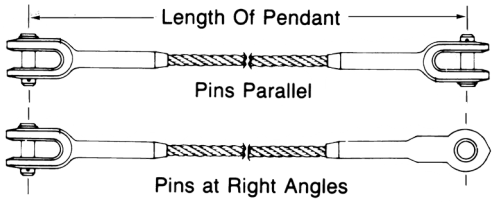
Saves Money

- Custom engineered assemblies are available for specific rigging needs.

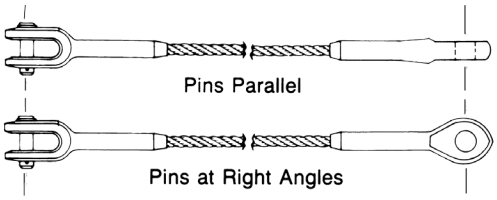
Rope Diameter (in.)	Minimum Pendant Length	Vertical Capacity* (tons)
1/4	11-0"	0.68
5/16	1'-3"	1.1
3/8	1'-3"	1.5
7/16	1'-8"	2.0
1/2	1'-8"	2.7
9/16	2'-0"	3.4
5/8	2'-0"	4.1
3/4	2'-5"	5.9
7/8	2'-10"	8.0
1	3'-2"	10
1-1/8	3'-7"	13
1-1/4	4'-0"	16

* Values given apply to 6X19 or 6X37 IWRC EIPS rope when pendants are used for slings. If used as boom suspension system or other applications, contact *Lift-All* for ratings.

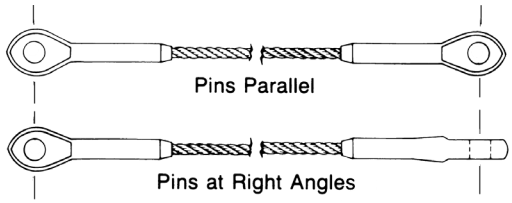
Open Swaged Sockets



Open & Closed Swaged Sockets



Closed Swaged Sockets



Swage Socket Dimensions – Forged Steel

Rope Dia. (in.)	Open Socket R (in.)	O (in.)	D (in.)	Weight (lbs.)	Closed Socket W (in.)	K (in.)	Weight (lbs.)
1/4	1.16	0.69	0.69	0.52	0.75	0.50	0.38
5/16	1.34	0.82	0.82	1.12	0.88	0.69	0.77
3/8	1.34	0.82	0.82	1.25	0.88	0.69	0.72
7/16	1.50	1.00	1.00	2.08	1.06	0.88	1.42
1/2	1.50	1.00	1.00	2.08	1.06	0.88	1.35
9/16	1.63	1.25	1.19	4.48	1.25	1.13	2.92
5/8	1.63	1.25	1.19	4.75	1.25	1.13	2.85
3/4	2.00	1.50	1.38	7.97	1.44	1.31	4.90
7/8	2.38	1.75	1.63	11.30	1.69	1.50	6.63
1	2.75	2.00	2.00	17.80	2.06	1.75	10.30
1-1/8	3.13	2.25	2.25	27.50	2.31	2.00	14.50
1-1/4	3.50	2.50	2.50	35.75	2.56	2.25	20.75

HOIST LINES AND STEEL BUTTONS

Hoist Line Cables

Lift-All hoist lines are made using 6X19 IWRC wire core rope for better resistance to abrasion and crushing. Available with carbon hooks for large throat openings, or alloy hooks for longer life.

Features and Benefits

Promotes Safety

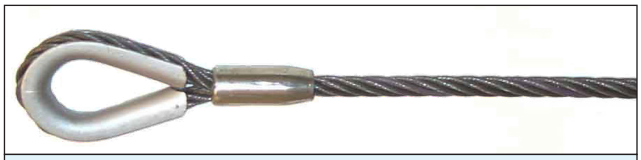
- *Permaloc*™ Flemish Eye splice for high strength efficiency.
- Meets OSHA 1910.184 and ASME B30.9.

Saves Money

- Heavy-duty thimble in eye extends useful life.
- Economical custom assemblies.

Saves Time

- No assembly time - ready to install.
- Stainless steel latch keeps hook in proper place.

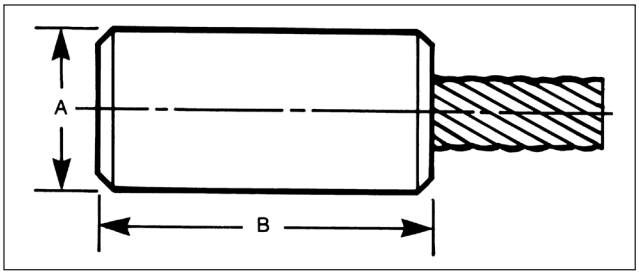


Running lengths of cable with thimbled eye ends available

6X19 Class - Bright (Uncoated)	
Diameter (in.)	Break Strength IWRC
3/8	14,000-lbs.
7/16	19,000-lbs.
1/2	25,000-lbs.
9/16	32,000-lbs.
5/8	39,000-lbs.

Swaged Steel Buttons

Swaged steel buttons are designed for use as end stops on drum winding equipment such as hoists and winches.

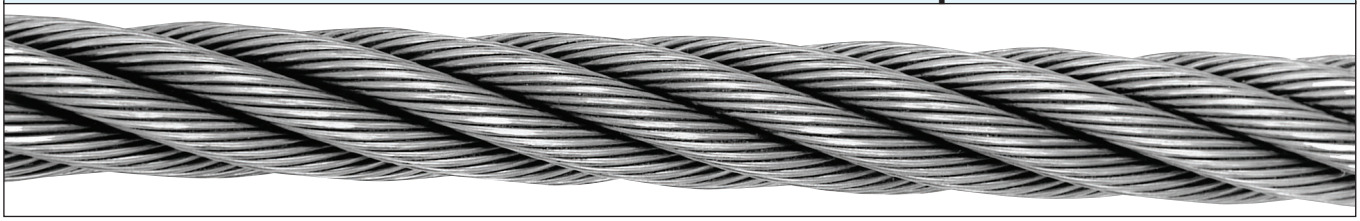


After Swage Dimensions		
Rope Diameter (in.)	A (approx.)	B (approx.)
1/4	0.63	1.13
5/16	0.75	1.50
3/8	0.88	1.75
7/16	1.00	2.00
1/2	1.13	2.38
9/16	1.25	2.63
5/8	1.38	2.88
3/4	1.50	3.50
7/8	1.75	4.13
1	2.00	4.75
1-1/8	2.25	5.25
1-1/4	2.50	5.88
1-3/8	2.75	6.50
1-1/2	3.00	7.13

Non-standard buttons are available.

WIRE ROPE

6X19 and 6X37 Class Wire Rope



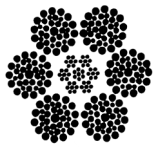
These high quality wire ropes are available in cut lengths or by the reels.

Wire Core

Extra Improved Plow Steel (EIPS)
Higher Capacities

6X19 Class

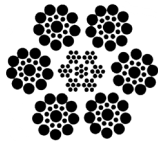
Six strand ropes having
9 to 26 wires per strand
Better Abrasion Resistance



6X19

6X37 Class

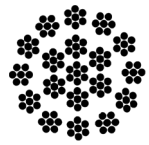
Six strand ropes having
27 to 49 wires per strand
More Flexible



6X37

Rope Diameter (in.)	Approx. Weight per Foot (lbs.)	Nominal Breaking Strength (tons)
1/4	0.12	3.40
5/16	0.18	5.27
3/8	0.26	7.55
7/16	0.35	10.2
1/2	0.46	13.3
9/16	0.59	16.8
5/8	0.72	20.6
3/4	1.04	29.4
7/8	1.42	39.8
1	1.85	51.7
1-1/8	2.34	65.0
1-1/4	2.89	79.9
1-3/8	3.50	96.0
1-1/2	4.16	114
1-5/8	4.88	132
1-3/4	5.67	153
1-7/8	6.50	174
2	7.39	198

Rotation Resistant Wire Rope

19X7	Rope Dia. (in.)	Approx. Weight per Foot (lbs.)	Nominal Breaking Strength (tons)
	**3/8**	0.25	6.15
	7/16	0.35	8.33
	1/2	0.45	10.8
	9/16	0.58	13.6
	5/8	0.71	16.8
	3/4	1.02	24.0
	7/8	1.39	32.5
	1	1.82	42.2
	1-1/8	2.30	53.1

The nominal breaking strength of wire rope should be considered the straight line pull, which will ACTUALLY BREAK a new, UNUSED, rope (with both rope ends fixed to prevent rotation). The nominal breaking strength of the rope should NEVER BE USED AS ITS WORKING LOAD.

To determine the working load of a wire rope, the MINIMUM or NOMINAL breaking strength MUST BE REDUCED by a DESIGN FACTOR. The design factor will vary depending upon the type of machine and installation, and the work permitted. YOU must determine the applicable design factor for your use.

For example, a design factor of "5" means that the minimum or nominal breaking strength of the wire rope must be DIVIDED BY FIVE to determine the maximum load that can be applied to the rope system.

Design factors have been established by OSHA, by ANSI, by ASME, and similar government and industrial organizations.

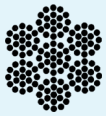
No wire rope should ever be installed or used without full knowledge and consideration of the design factor for the application.

The above is based on the "Wire Rope Safety Bulletin" published by the "WIRE ROPE TECHNICAL BOARD."

Note: Specialty ropes are available upon request.

CABLE & COMPONENTS

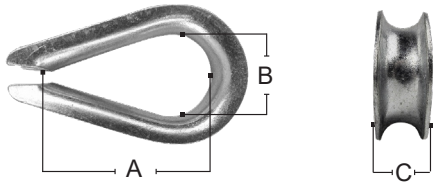
Galvanized & Stainless Steel Cable

	Cable Diameter (in.)	Weight per Reel (lbs.)	Standard Length (ft./Reel)	Nominal Break Strength (lbs.)	
				Galvanized Cable (GAC)	Stainless Steel Cable (SSAC) Type 304
7X7 	1/16	5	500	480	430
	3/32	9	500	920	820
	1/8	15	500	1,700	1,500
	5/32	16	250	2,600	-
	3/16	26	250	3,700	-
	1/4	28	250	6,100	-
7X19 	3/32	9	500	1,000	920
	1/8	15	500	2,000	1,760
	5/32	12	250	2,800	2,400
	3/16	17	250	4,200	3,700
	1/4	25	250	7,000	6,400
	5/16	38	200	9,800	9,000
	3/8	52	200	14,400	12,000

Galvanized Cable Coated w/Clear Vinyl (VGAC)

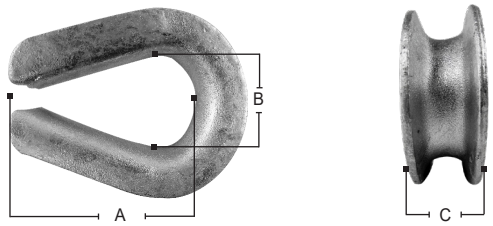
Galvanized Cable Construction	Cable Diameter (in.)	Coated to (in.)	Weight per Reel (lbs.)	Standard Length (ft./Reel)	Nominal Break Strength (lbs.)
7X7	1/16	3/32	7	500	480
	3/32	3/16	7	250	920
	1/8	3/16	10	250	1,700
7X19	1/8	3/16	10	250	2,000
	3/16	1/4	19	200	4,200
	1/4	5/16	28	200	7,000

STANDARD THIMBLES



Rope Dia. (in.)	Dimensions (in.)			Quantity Per Bag	Weight Per Bag (lbs.)
	A	B	C		
1/8	1.31	0.69	0.25	100	4
3/16	1.31	0.69	0.31	100	4
1/4	1.31	0.69	0.38	100	4
5/16	1.50	0.82	0.44	80	3
3/8	1.63	0.94	0.50	80	4

Heavy Duty Thimbles



Rope Diameter (in.)	Dimensions (in.)			Weight Each (lbs.)
	A	B	C	
1/4	1.63	0.88	0.44	0.08
5/16	1.88	1.06	0.53	0.14
3/8	2.13	1.13	0.66	0.22
7/16	2.32	1.25	0.75	0.36
1/2	2.75	1.50	0.94	0.51
9/16	2.75	1.50	1.00	0.35
5/8	3.25	1.75	1.03	0.75
3/4	3.75	2.00	1.25	1.47
7/8	4.25	2.25	1.44	1.85
1	4.50	2.50	1.69	3.00
1-1/8	5.13	2.88	1.81	4.00
1-1/4	6.50	3.50	2.19	8.17
1-3/8 & 1-1/2	6.25	3.50	2.56	11.75
1-5/8	8.00	4.00	2.72	17.00
1-3/4	9.00	4.50	2.84	17.75
1-7/8 & 2	12.0	6.00	3.09	25.00
2-1/4	14.0	7.00	3.63	39.50

CABLE & COMPONENTS

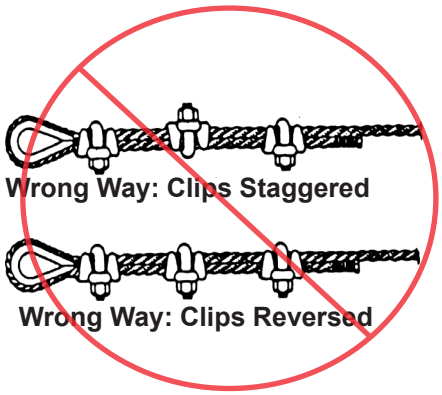
Wire Rope Clips

The following instructions, supplied by the Wire Rope Technical Board, will result in an approximate 80% efficiency rating when the clips are applied, as instructed, on GAC, SSAC, RRL or RLL; 6X19 class or 6X37 class; fiber core or IWRC non-Seale type construction wire rope. If applying to vinyl-coated ropes, strip the vinyl from the connection area first.

How to Apply Clips

1. Turn back the specified amount of rope from the thimble. Apply the first clip, fastening it one clip width from the dead-end of the wire rope (U-bolt over dead-end; live end rests in clip saddle). Tighten nuts evenly to recommended torque.
2. Apply the next clip as close to the loop as possible. Turn nuts firmly but do not tighten.
3. If required, place additional clips equally between the first two. Tighten nuts; take up rope slack; tighten all nuts evenly on all clips to recommended torque.
4. **NOTICE!** Apply the initial load and re-tighten nuts to the recommended torque. Wire rope will stretch, and diameter is reduced when a load is applied. Inspect periodically and re-tighten to recommended torque.

Right Way: For Maximum Rope Strength



⚠ WARNING

Failure to make a termination in accordance with aforementioned instructions, or failure to periodically check and re-tighten to the recommended torque, may result in death or serious injury.

Malleable

Drop Forged

Drop Forged Wire Rope Clips

Rope Dia. (in.)	Minimum Number of Clips	Rope Turn-back (in.)	Torque (ft./lbs.)	Weight Each (lbs.)
1/8	2	3.25	4.5	.06
3/16	2	3.75	7.5	.10
1/4	2	4.75	15	.18
5/16	2	5.25	30	.30
3/8	2	6.50	45	.47
7/16	2	7.00	65	.76
1/2	3	11.5	65	.80
9/16	3	12.0	95	1.04
5/8	3	12.0	95	1.06
3/4	4	18.0	130	1.50
7/8	4	19.0	225	2.12
1	5	26.0	225	2.50
1-1/8	6	34.0	225	2.80
1-1/4	7	44.0	360	4.15
1-3/8	7	44.0	360	4.60
1-1/2	8	54.0	360	5.30

Malleable Wire Rope Clips*

Rope Dia. (in.)	Minimum Number of Clips	Rope Turn-back (in.)	Torque (ft./lbs.)	Quantity Per Bag	Weight Per Bag (lbs.)
1/8	3	5	3	200	10
3/16	3	6	5	150	12
1/4	3	7	15	100	12
5/16	3	8	15	100	15
3/8	3	10	30	50	11

* Malleable clips are not to be used for overhead lifting. Use in light duty, non-critical applications only.

INSPECTION CRITERIA FOR WIRE ROPE SLINGS

Remove slings from service when:

- Capacity information is missing or illegible.
- End attachments (including hooks) are cracked, deformed, or obviously worn.
- Hook throat opening is increased more than 15%.
- Hook is twisted out of plane by more than 10%.

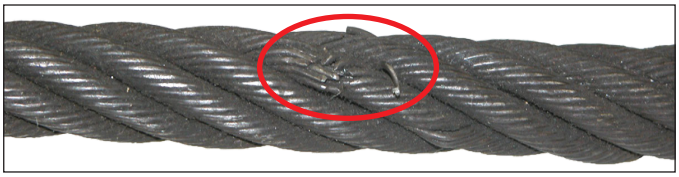
CAUTION Do not inspect a sling by passing bare hands over the wire rope.

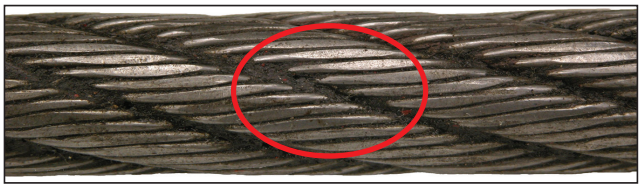
OSHA 1910.184 requires wire rope slings to have "permanently affixed and legible identification markings".

BROKEN WIRES

WHAT TO LOOK FOR: The individual wires that make up the strands in a wire rope can break for various reasons including fatigue and overload. Wire rope slings must be taken out of service when you find 10 or more broken wires in one rope lay, or 5 or more broken wires in one strand of one rope lay.

TO PREVENT: Avoid pulling rope across edges or protrusions.





WEAR

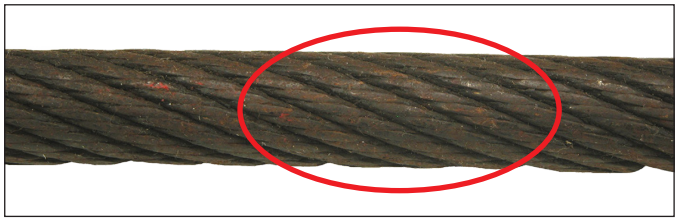
WHAT TO LOOK FOR: Flat areas on the individual wires. When wires have lost one third or more of their original diameter, the sling must be taken out of service.

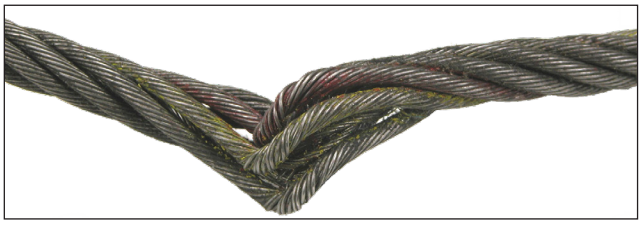
TO PREVENT: Do not drag sling on the ground and do not drag loads over slings. Protect high wear areas.

CORROSION / HEAT DAMAGE

WHAT TO LOOK FOR: Absence of lubrication and discoloration of rope.

TO PREVENT: Hang slings for storage away from moisture. Do not use wire core slings above 400° F or fiber core slings above 180° F.





KINKING / BIRDCAGING

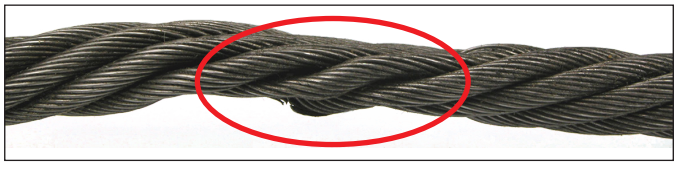
WHAT TO LOOK FOR: Bent strands of wire or strands standing out from their regular position in the body of the sling.

TO PREVENT: Protect rope from sharp edges of load. Do not shock load slings.

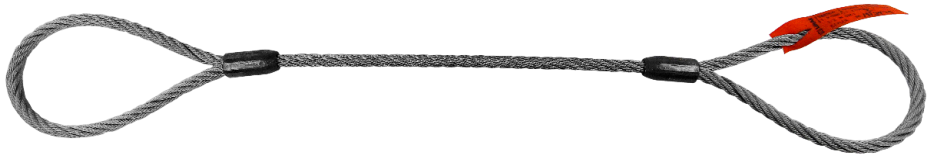
CRUSHING

WHAT TO LOOK FOR: A section of rope that is flattened, where the cross section is no longer round.

TO PREVENT: Never allow loads to be set on top of slings.



SLING WEIGHTS



Estimate Sling Weights

Sling Weight = (Length x Per Foot Weight) + Zero Base Weight + Fitting Weights

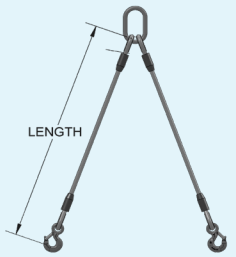
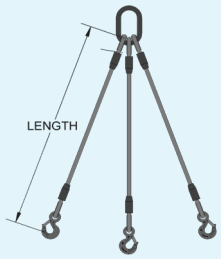
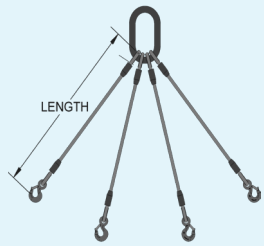
Rope Dia. (in.)	Zero Base Weight* (lbs.)	Per Foot Weight (lbs.)	Thimbled Eye Wt. Ea. (lbs.)	Alloy Eye Hook Wt. Ea. (lbs.)	Crescent Thimble Wt. Ea. (lbs.)	Slip Thru Thimble Wt. Ea. (lbs.)	Sliding Choker Hook Wt. Ea. (lbs.)
1/4	0.31	0.12	0.08	0.63	0.50	1.30	1.30
5/16	0.47	0.18	0.14	0.63	0.50	1.30	1.30
3/8	0.73	0.26	0.22	0.85	0.50	1.30	1.30
7/16	1.30	0.35	0.36	1.40	0.50	1.50	1.90
1/2	1.70	0.46	0.51	1.90	0.75	1.50	1.90
9/16	3.10	0.59	0.51	3.70	0.75	1.50	1.90
5/8	3.50	0.72	0.75	3.70	1.20	3.40	4.00
3/4	5.70	1.00	1.50	7.30	2.00	3.40	4.50
7/8	8.90	1.40	1.90	15.00	3.30	5.60	10.00
1	13.00	1.90	3.00	15.00	3.80	5.60	10.00
1-1/8	18.00	2.30	4.00	22.00	5.00	8.60	26.00
1-1/4	25.00	2.90	8.20	22.00	6.80	8.60	26.00
1-3/8	32.00	3.50	12.00	38.00	8.00	10.00	50.00
1-1/2	41.00	4.20	12.00	38.00	8.00	10.00	50.00
1-3/4	65.00	5.70	18.00	60.00	17.00	18.00	–
2	99.00	7.40	25.00	105.00	22.00	53.00	–
2-14	169.00	9.40	40.00	148.00	39.00	70.00	–
2-1/2	278.00	12.00	–	–	39.00	126.00	–

* Zero base weight accounts for the additional rope and sleeves required to form two standard eyes.

SLING WEIGHTS

Estimate Bridle Sling Weights

Sling Weight = (Length x Per Foot Weight) + Zero Base Weight

	2-Leg Bridle		3-Leg Bridle		4-Leg Bridle	
						
Rope Dia. (in.)	*Zero Base Weight (lbs.)	Per Foot Weight (2-Legs)	*Zero Base Weight (lbs.)	Per Foot Weight (lbs.) (3-Legs)	*Zero Base Weight (lbs.)	Per Foot Weight (lbs.) (4-Legs)
1/4	2.8	0.23	2.8	.35	4.7	0.46
5/16	3.2	0.36	5.7	.54	6.9	0.72
3/8	5.8	0.52	7.5	.78	12	1.0
7/16	8.1	0.70	14	1.0	17	1.4
1/2	10	0.92	17	1.4	26	1.8
9/16	20	1.2	27	1.8	39	2.4
5/8	21	1.4	34	2.2	42	2.9
3/4	38	2.1	60	3.1	85	4.2
7/8	58	2.8	89	4.3	121	5.7
1	76	3.7	114	5.6	171	7.4
1-1/8	108	4.7	163	7.0	250	9.4
1-1/4	131	5.8	210	8.7	296	12
1-3/8	197	7.0	320	11	–	–
1-1/2	230	8.3	350	13	–	–
1-3/4	380	11.0	–	–	–	–
2	550	15.0	–	–	–	–

*** Zero base weight includes oblong link, thimbled eyes and sling hooks**

ACKNOWLEDGMENT

Lift-All wire rope slings and rated capacities comply with all OSHA, ASME B30.9, and Wire Rope Technical Board publications. Portions of this section of the catalog were taken from the Wire Rope Sling User's Manual with the permission of the Wire Rope Technical Board and the American Iron and Steel Institute.