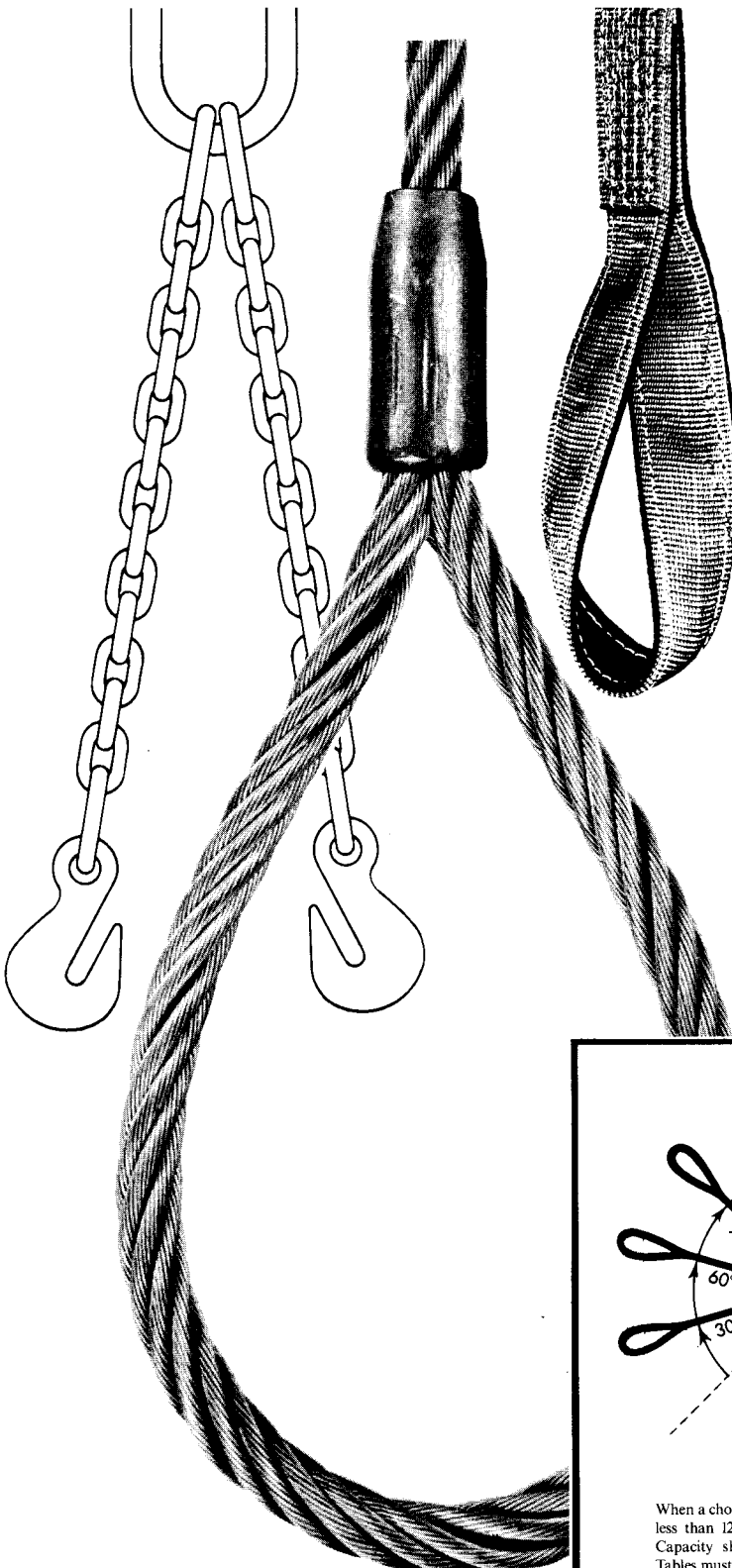


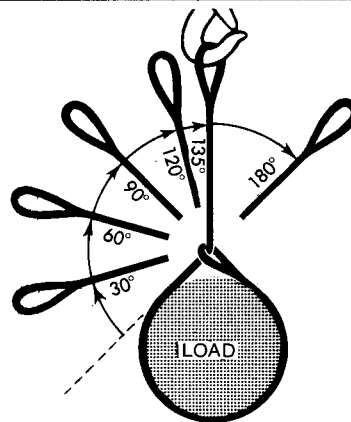


THE WIRE ROPE SLING LINE BACKED BY TOTAL LIFTING CAPABILITY

WIRE ROPE
SLINGS



Choker Hitch Rated Capacity Adjustment



For wire rope slings in choker hitch when angle of choke is less than 135.

Angle of choke in Degrees	Rated Capacity IWRC and FC rope Percent*
120-180	100
90-119	87
60- 89	74
30- 59	62
0- 29	49

*Percent of sling rated capacity
in a choker hitch

When a choker hitch is drawn tight at an angle of less than 120 degrees, the Choker Hitch Rated Capacity shown in the sling Rated Capacity Tables must be reduced to allow for loss of Rated Capacity. In controlled tests, where the angle was

less than 120 degrees, the sling body always failed at the point of choke when pulled to destruction. Allowance for this phenomenon must be made anytime a choker hitch is used to shift, turn or control a load, or when the pull is against the choke in a multi-leg lift.

Tests have shown that whenever 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 Jensen for revised capacities.

CARE:

- Store in a clean, dry place and protect from mechanical damage, extreme heat, corrosion or kinking.
- Keep sling lubricated.

USE:

- Check weight of load.
- Check sling rated load for type of lift, and angle of loading (see load angle chart on page G.5).
- Sling shall always be protected from being cut by sharp corners, sharp edges, protrusions or abrasive surfaces.
- Center load on base (bowl) of hook unless hook is designed for point loading.
- Balance load.
- Avoid jerking the load.
- Maintain load control.
- Be alert for snagging of load.
- Avoid dragging sling over rough surfaces and from under load.
- Restrict use to temperatures below 400° F and above -60° F.

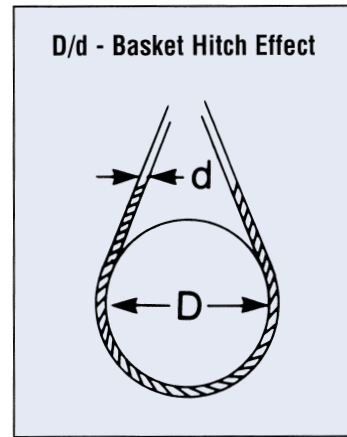
INSPECTION:

Remove sling from service if any of the following are visible:

- Ten broken wires in one rope lay or five wires in one strand in one rope lay.
- Wear or other loss of one-third of the original diameter of the individual wires.
- Evidence of heat damage or corrosion of rope (internal and external) or attachments.
- Kinking, crushing, bird caging, or any other damage resulting in distortion of the rope structure.
- End attachments, including hooks, that are cracked, deformed or obviously worn.

DO NOT inspect a sling by passing bare hands over the wire rope.

WARNING: These products may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.



Examples of Wire Rope Sling Abuse



Broken Wires



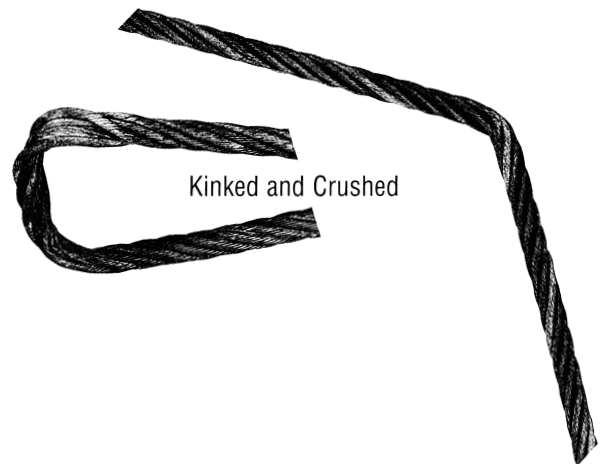
Worn Wires



Corroded

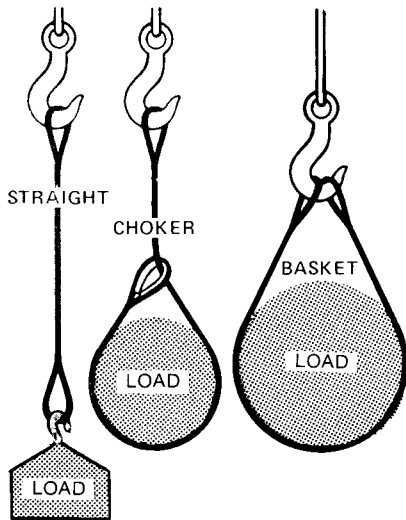


Bird Caging



Kinked and Crushed

Every Lift Uses 1 of 3 Basic Hitches



STRAIGHT, or vertical, attachment is simply using a sling to connect a lifting hook to a load. Full rated lifting capacity of the sling may be utilized, but must not be exceeded. A tagline should be used to prevent load rotation which may damage the sling.

When two or more slings are attached to the same lifting hook, the total hitch becomes, in effect, a lifting bridle, and the load is distributed equally among the individual slings.

CHOKER hitches reduce lifting capability of a sling, since this method of rigging affects ability of the wire rope components to adjust during the lift. A choker is used when the load will not be seriously damaged by the sling body — or the sling damaged by the load, and when the lift requires the sling to snug up against the load.

The diameter of the bend where the

sling contacts the load should keep the point of choke against the sling **BODY** - never against a splice or the base of the eye. When a choke is used at an angle of less than 120 degrees (see facing page) the sling rated capacity must be adjusted downward.

A choker hitch should be pulled tight before a lift is made - **NOT PULLED DOWN DURING THE LIFT**. It is also dangerous to use only one choker hitch to lift a load which might shift or slide out of the choke.

BASKET hitches distribute a load equally between the two legs of a sling — within limitations described below. Capacity of a sling used in a basket is affected by the bend, or curvature, where the sling body comes in contact with the load — just as any wire rope is affected and limited by bending action, as over a sheave.

Calculating the Load on Each Leg of a Sling

As the included angle between the legs of a sling increases, the load on each leg increases. The effect is the same whether a single sling is used as a basket, or two slings are used with each in a straight pull, as with a 2-legged bridle.

Anytime pull is exerted at an angle on a leg — or legs — of a sling, the load per leg can be determined by using the data in the table at right. Proceed as follows to calculate this load — and determine the rated capacity required of the sling, or slings, needed for a lift.

1. First, divide the total load to be lifted by the number of legs to be used. This provides the load per leg if the lift were being made with all legs lifting vertically.

2. Determine the angle between the legs of the sling. When 3 or more legs are used, the angle will be **TWICE** the angle between one leg and an imaginary line extending straight down from the lifting hook.

3. Then **MULTIPLY** the load per leg (as computed in No. 1 above) by the Load Factor for the leg angle being used (from the table at right) — to compute the **ACTUAL LOAD** on each leg for this lift and angle. **THE ACTUAL LOAD MUST NOT EXCEED THE RATED SLING CAPACITY.**

Thus, in drawing three (sling angle at 60°):
 $1000 \div 2 = 500$ (Load Per Leg if a vertical lift)

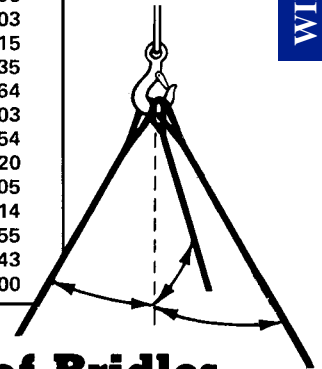
$500 \times 1.154 = 577$ lbs. = **ACTUAL LOAD** on each leg at the 60° included angle being used.

In drawing four (sling angle of 90°):

$1000 \div 2 = 500$ (Load Per Leg if a vertical lift)

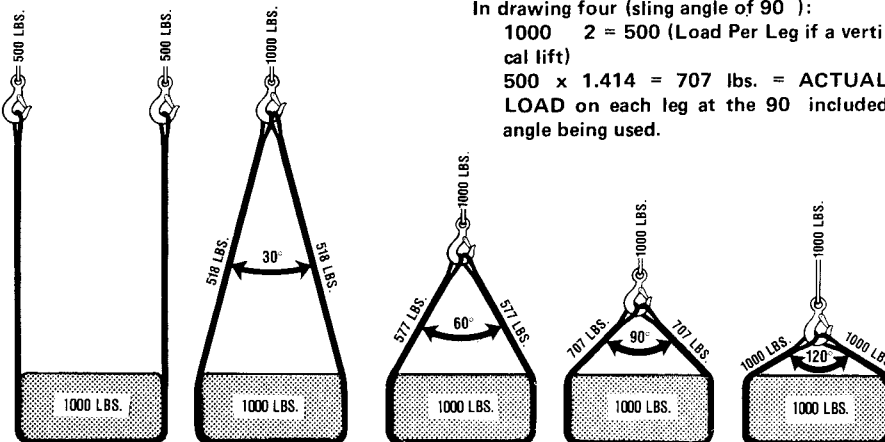
$500 \times 1.414 = 707$ lbs. = **ACTUAL LOAD** on each leg at the 90° included angle being used.

LEG ANGLE (Degrees)	LOAD FACTOR
0°	1.000
10	1.003
20	1.015
30	1.035
40	1.064
50	1.103
60	1.154
70	1.220
80	1.305
90	1.414
100	1.555
110	1.743
120	2.000

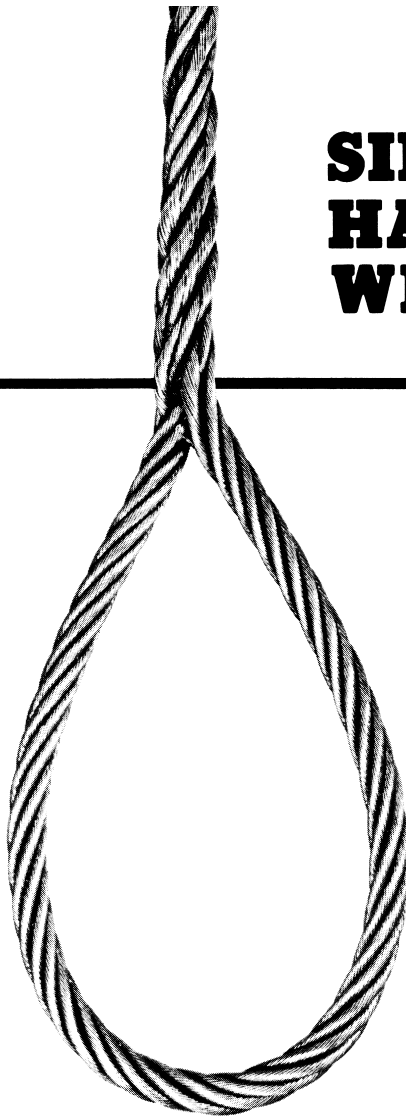


Angles of Bridles

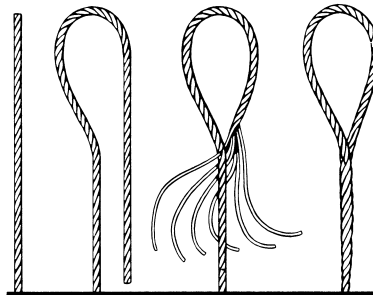
The leg angles of bridles with 3 or more legs must be measured differently than the angles of 2-legged hitches. First, establish a vertical line downward from the lifting hook as it would be positioned at the start of the lift. Measure the greatest angle between this line and any one leg. Multiplying this angle (known technically as the "half included angle") by **TWO** yields the leg angle which is used to calculate the **ACTUAL** Load on each leg of the bridle.



SINGLE PART BODY HAND SPLICE WIRE ROPE SLINGS



The end of a single wire rope is bent back along the rope to form the eye, and strands are hand-tucked into the body of the rope in what is called the Miracle Lock® Splice. This splice is tapered and concealed by tucking strand ends into the rope, making a sling that is easily pulled through narrow spaces; there are no rough ends to snag hands. Slings with rope bodies larger than 1½" diameter are made only with Burnt End splices in which ends of strands are left exposed and cut off with a torch. These may also be cut shorter and served, for smoothness. All have the same rated capacity, size for size.

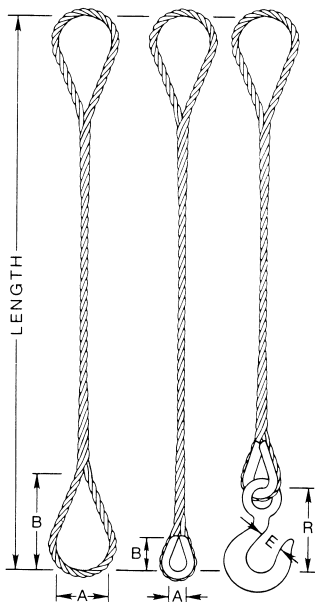


MLS Hand Spliced Eye

The Miracle Lock Splice utilizes tension in the rope body to secure strands where they are tucked back into the rope. Needs no metal sleeve to assure firm anchoring. When "tapered and concealed", ends of strands are tucked inward and concealed inside the rope.

WARNING: Hand-spliced slings should not be used in lifts where the sling may rotate and cause the wire rope to unlay.

110-



E-E E-HT E-EH

SAFETY HOOKS ARE AVAILABLE
IF REQUIRED.

Rope Dia.	RATED CAPACITY - Tons*						Eye Dimensions		Thimble		Hook		
	Vert.	*** Choker Hitch	Basket Hitch				A	B	A	B	WLL** Tons	E	R
			Vert.	30°	60°	90°							
6x19 F. C.	1/4	.49	.38	.98	.95	.85	.69	2	4	7/8	1 5/8	3/4	15/16 3 7/32
	5/16	.76	.60	1.5	1.5	1.3	1.1	2 1/2	5	1 1/16	1 7/8	1	1 1/32 3 21/32
	3/8	1.1	.85	2.2	2.1	1.9	1.6	3	6	1 1/8	2 1/8	1 1/2	1 1/16 4 3/32
	7/16	1.4	1.2	2.8	2.7	2.4	2.0	3 1/2	7	1 1/4	2 1/4	1 1/2	1 1/16 4 3/32
	1/2	1.8	1.5	3.6	3.5	3.1	2.5	4	8	1 1/2	2 3/4	2	1 7/32 4 11/16
	9/16	2.3	1.9	4.6	4.4	4.0	3.3	4 1/2	9	1 1/2	2 3/4	3	1 1/2 5 3/4
	5/8	2.8	2.3	5.6	5.4	4.8	4.0	5	10	1 3/4	3 1/4	3	1 1/2 5 3/4
	3/4	3.9	3.3	7.8	7.5	6.8	5.5	6	12	2	3 3/4	5	1 7/8 7 3/8
	7/8	5.2	4.5	10.	10.	9.0	7.4	6 1/2	13	2 1/4	4 1/4	7 1/2	2 1/4 9 1/16
	1	6.7	5.9	13.	13.	12.	9.5	7	14	2 1/2	4 1/2	7 1/2	2 1/4 9 1/16
	1 1/8	8.4	7.4	17.	16.	15.	12.	7 1/2	15	2 7/8	5 1/8	10	2 1/2 10 1/16
	1 1/4	10.	9.0	20.	19.	17.	14.	8	16	2 7/8	5 1/8	10	2 1/2 10 1/16
6x37 F. C.	1 3/8	12.	11.	24.	23.	21.	17.	8 1/2	17	3 1/2	6 1/4	15	3 3/8 12 1/2
	1 1/2	15.	13.	30.	29.	26.	21.	9	18	3 1/2	6 1/4	15	3 3/8 12 1/2
	1 5/8	17.	15.	34.	33.	29.	24.	9 1/2	19	4	8	AH-22	3 3/8 12 1/2
	1 3/4	20.	17.	40.	39.	35.	28.	10	20	4 1/2	9	AH-30	4 14 1/16
	2	26.	22.	52.	50.	45.	37.	12	24	6	12	AH-37	4 1/4 18 3/16
	2 1/4	32.	28.	64.	62.	55.	45.	14	28	7	14	AH-45	4 3/4 20 1/8
	2 1/2	39.	34.	78.	75.	68.	55.	16	32			AH-45	4 3/4 20 1/8

All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

*Rated Capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 10 or greater, where D=Diameter of curvature around which the body of the sling is bent, and d=nominal diameter of the rope.

** Working Load Limit

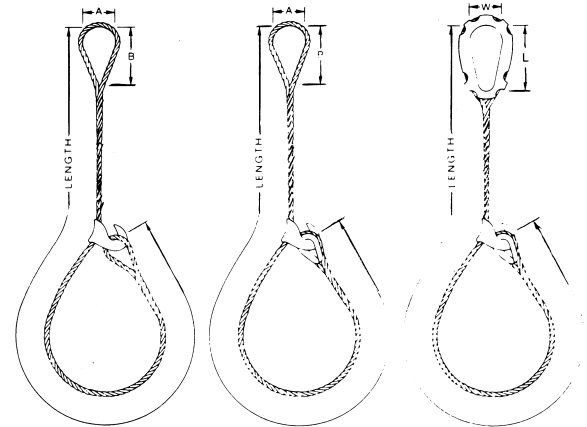
*** See Choker Hitch Rated Capacity Adjustment note

SINGLE PART BODY HAND SPLICED SLINGS

Rope Dia.	*** RATED CAPACITY Tons*	Eye Dimensions		Slip-Thru Thimble			Choker Hook No.
				No.	Dimensions		
		A	B		L	W	
1/4	.38	2	4	W-2	4 1/8	2 1/8	1/4- 5/16
5/16	.60	2 1/2	5	W-2	4 1/8	2 1/8	1/4- 5/16
3/8	.85	3	6	W-2	4 1/8	2 1/8	3/8
1/2	1.5	4	8	W-3	4 3/8	2 3/8	1/2
5/8	2.3	5	10	W-4	6 5/8	3 3/8	5/8
3/4	3.3	6	12	W-4	6 5/8	3 3/8	3/4
7/8	4.5	6 1/2	13	W-5	7 1/8	3 3/4	7/8-1
1	5.9	7	14	W-5	7 1/8	3 3/4	7/8-1
1 1/8	7.4	7 1/2	15	W-6	8 3/8	4 3/8	1 1/8-1 1/4
1 1/4	9.	8	16	W-6	8 3/8	4 3/8	1 1/8-1 1/4
1 3/8	11.	8 1/2	17	W-7	9 1/2	5	1 3/8-1 1/2
1 1/2	13.	9	18	W-7	9 1/2	5	1 3/8-1 1/2

All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.




110-



E-TH-E

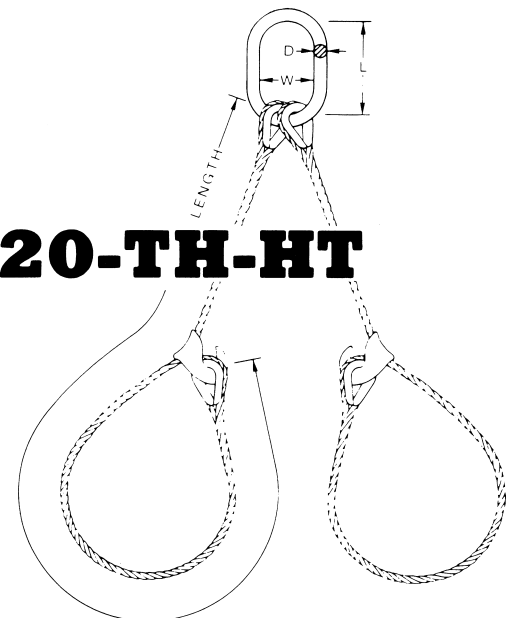
E-TH-HT

ST-TH-HT

Rope Dia.	RATED CAPACITY Tons*			Alloy Oblong Link			Hook No.
	2 Leg Choker Hitch***			D	L	W	
							
1/4	.73	.66	.54	1/2	5	2 1/2	1/4 - 5/16
5/16	1.2	1.0	.85	1/2	5	2 1/2	1/4 - 5/16
3/8	1.6	1.5	1.2	1/2	5	2 1/2	3/8
7/16	2.3	2.1	1.7	5/8	6	3	1/2
1/2	2.9	2.6	2.1	5/8	6	3	1/2
9/16	3.7	3.3	2.7	3/4	5 1/2	2 3/4	5/8
5/8	4.4	4.0	3.3	3/4	5 1/2	2 3/4	5/8
3/4	6.4	5.7	4.7	1	8	4	3/4
7/8	8.7	7.8	6.4	1	8	4	7/8 - 1
1	11.	10.	8.3	1	8	4	7/8-1
1 1/8	14.	13.	10.	1 1/4	8 3/4	4 3/8	1 1/8-1 1/4
1 1/4	17.	16.	13.	1 1/2	12	6	1 1/8-1 1/4
1 3/8	21.	19.	16.	1 1/2	12	6	1 3/8 - 1 1/2
1 1/2	25.	23.	18.	1 3/4	12	6	1 3/8 - 1 1/2

Rated Capacity for two-legged bridles, whether used as chokers or with hooks or other end fixtures, is affected by rigging angles, the same as straight slings in basket hitches. Note reduction in rated capacity as legs spread to wider angles.

120-TH-HT



WIRE ROPE SLINGS

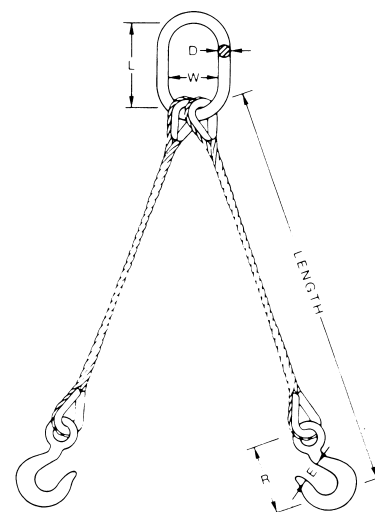
120-HT-EH

Rope Dia.	RATED CAPACITY Tons*			Alloy Oblong Link			Hook		
	30°	60°	90°	D	L	W	WLL** Tons	E	R
1/4	.95	.85	.69	1/2	5	2 1/2	3/4	15/16	3 7/32
5/16	1.5	1.3	1.1	1/2	5	2 1/2	1	1 1/32	3 21/32
3/8	2.1	1.9	1.6	1/2	5	2 1/2	1 1/2	1 1/16	4 3/32
7/16	2.7	2.4	2.0	5/8	6	3	1 1/2	1 1/16	4 3/32
1/2	3.5	3.1	2.5	3/4	5 1/2	2 3/4	2	1 7/32	4 11/16
9/16	4.4	4.0	3.3	3/4	5 1/2	2 3/4	3	1 1/2	5 3/4
5/8	5.4	4.8	4.0	1	8	4	3	1 1/2	5 3/4
3/4	7.5	6.8	5.5	1	8	4	5	1 7/8	7 3/8
7/8	10.	9.0	7.4	1	8	4	7 1/2	2 1/4	9 1/16
1	13.	12.	9.5	1 1/4	8 3/4	4 3/8	7 1/2	2 1/4	9 1/16
1 1/8	16.	15.	12.	1 1/4	8 3/4	4 3/8	10	2 1/2	10 1/16
1 1/4	19.	17.	14.	1 1/2	12	6	10	2 1/2	10 1/16
1 3/8	23.	21.	17.	1 3/4	12	6	15	3 3/8	12 1/2
1 1/2	29.	26.	21.	1 3/4	12	6	15	3 3/8	12 1/2
1 5/8	33.	29.	24.	2	14	7	AH-22	3 3/8	12 1/2
1 3/4	39.	35.	28.	2	14	7	AH-30	4	14 1/16
2	50.	45.	37.	2 1/4	16	8	AH-37	4 1/4	18 3/16
2 1/4	62.	55.	45.	2 1/2	16	8	AH-45	4 3/4	20 1/8

*Rated Capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 10 or greater, where D=Diameter of curvature around which the body of the sling is bent, and d=nominal diameter of the rope.

** Working Load Limit

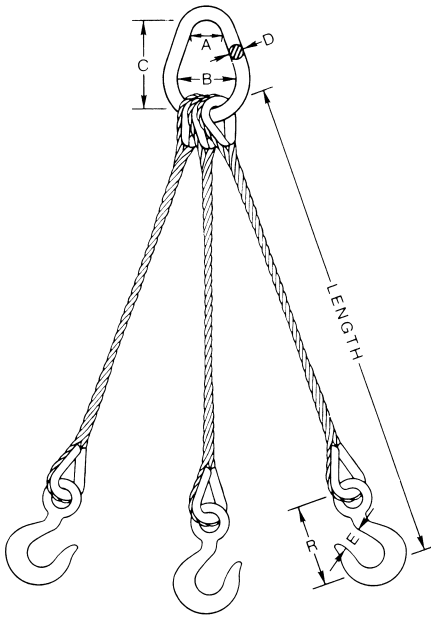
*** See Choker Hitch Rated Capacity Adjustment note



SAFETY HOOKS ARE AVAILABLE IF REQUIRED.

SINGLE PART BODY HAND SPLICED SLINGS

130-HT-EH



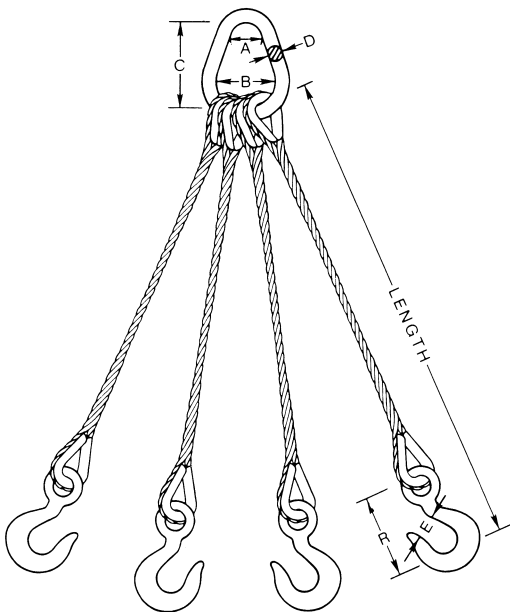
Rope Dia.	RATED CAPACITY Tons*			Alloy Pear Link				Hook		
	30°	60°	90°	A	B	C	D	WLL** Tons	E	R
1/4	1.4	1.3	1.0	1 1/4	2 1/2	3 3/4	5/8	3/4	15/16	3 7/32
5/16	2.2	2.0	1.6	1 1/2	3	4 1/2	3/4	1	1 1/32	3 21/32
3/8	3.2	2.9	2.3	1 1/2	3	4 1/2	3/4	1 1/2	1 1/16	4 3/32
7/16	4.1	3.6	3.0	1 3/4	3 1/2	5 1/4	7/8	1 1/2	1 1/16	4 3/32
1/2	5.2	4.7	3.8	2	4	6	1	2	1 7/32	4 11/16
9/16	6.7	6.0	4.9	2	4	6	1	3	1 1/2	5 3/4
5/8	8.1	7.3	5.9	2 1/4	4 1/4	6 1/2	1 1/8	3	1 1/2	5 3/4
3/4	11.	10.	8.3	2 3/4	5 1/2	8 1/4	1 3/8	5	1 7/8	7 3/8
7/8	15.	14.	11.	3 1/4	6 1/2	9 3/4	1 5/8	7 1/2	2 1/4	9 1/16
1	19.	17.	14.	3 1/2	7	10 1/2	1 3/4	7 1/2	2 1/4	9 1/16
1 1/8	24.	22.	18.	3 1/2	7	10 1/2	1 3/4	10	2 1/2	10 1/16
1 1/4	29.	26.	21.	4	8	12	2	10	2 1/2	10 1/16
1 3/8	35.	31.	25.	4	8	12	2	15	3 3/8	12 1/2
1 1/2	43.	39.	32.	5	10	15	2 1/2	15	3 3/8	12 1/2
1 5/8	49.	44.	36.	5	10	15	2 1/2	AH-22	3 3/8	12 1/2
1 3/4	58.	52.	42.	5	10	15	2 1/2	AH-30	4	14 1/16
2	75.	68.	55.	5 1/2	11	16 1/2	2 3/4	AH-37	4 1/4	18 3/16

** Working Load Limit

Rated capacities for 3 & 4 leg bridle slings are based on equal leg slings with the sling angle being the greatest angle measured between any two of the sling legs. For other applications, consult our Fabricated Products Engineering Department.

Multi-legged bridles – with two, three or four straight legs – are offered with plain eyes, thimble eyes, open or closed sockets, shackles and turnbuckles. If required, rings or alloy oblong links can be supplied rather than the pear shaped links shown. For fittings not shown in this catalog, refer to the Fittings Catalog.

140-HT-EH



Rope Dia.	RATED CAPACITY Tons*			Alloy Pear Link				Hook		
	30°	60°	90°	A	B	C	D	WLL** Tons	E	R
1/4	1.9	1.7	1.4	1 1/2	3	4 1/2	3/4	3/4	15/16	3 7/32
5/16	2.9	2.6	2.1	1 1/2	3	4 1/2	3/4	1	1 1/32	3 21/32
3/8	4.3	3.8	3.1	1 3/4	3 1/2	5 1/4	7/8	1 1/2	1 1/16	4 3/32
7/16	5.4	4.8	4.0	2	4	6	1	1 1/2	1 1/16	4 3/32
1/2	7.0	6.2	5.1	2 1/4	4 1/4	6 1/2	1 1/8	2	1 7/32	4 11/16
9/16	8.9	8.0	6.5	2 1/2	5	7 1/2	1 1/4	3	1 1/2	5 3/4
5/8	11.	9.7	7.9	2 3/4	5 1/2	8 1/4	1 3/8	3	1 1/2	5 3/4
3/4	15.	14.	11.	3 1/4	6 1/2	9 3/4	1 5/8	5	1 7/8	7 3/8
7/8	20.	18.	15.	3 1/2	7	10 1/2	1 3/4	7 1/2	2 1/4	9 1/16
1	26.	23.	19.	3 1/2	7	10 1/2	1 3/4	7 1/2	2 1/4	9 1/16
1 1/8	32.	29.	24.	4	8	12	2	10	2 1/2	10 1/16
1 1/4	39.	35.	28.	4 1/2	9	13 1/2	2 1/4	10	2 1/2	10 1/16
1 3/8	46.	42.	34.	5	10	15	2 1/2	15	3 3/8	12 1/2
1 1/2	58.	52.	42.	5	10	15	2 1/2	15	3 3/8	12 1/2
1 5/8	66.	59.	48.	5 1/2	11	16 1/2	2 3/4	AH-22	3 3/8	12 1/2
1 3/4	77.	69.	57.	6	12	18	3	AH-30	4	14 1/16

** Working Load Limit

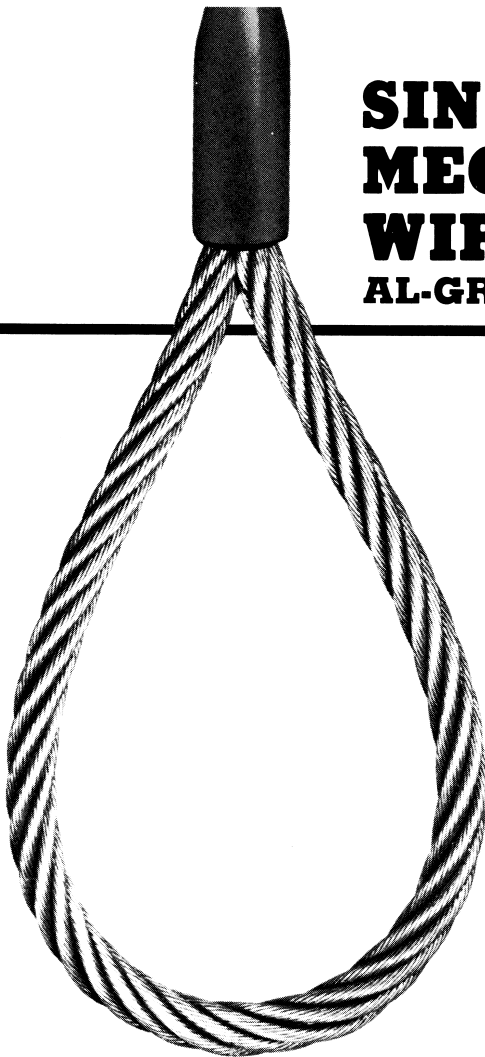
*Rated Capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 10 or greater, where D=Diameter of curvature around which the body of the sling is bent, and d=nominal diameter of the rope.

All capacities in tons of 2,000 lbs: All eye and fitting dimensions in inches.

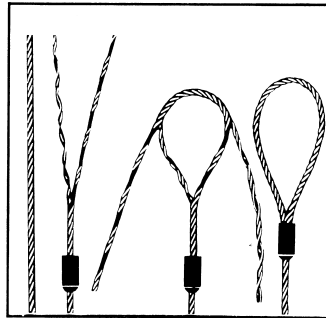
SAFETY HOOKS ARE AVAILABLE IF REQUIRED.

SINGLE PART BODY MECHANICAL SPLICE WIRE ROPE SLINGS

AL-GRIP® & STEEL-GRIP®

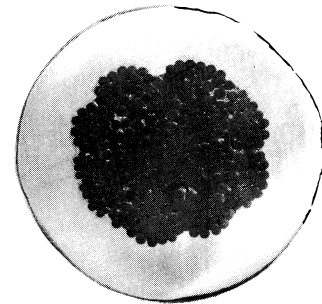


Eyes are formed using the flemish eye splice. Ends are secured by pressing a metal sleeve, either steel or aluminum, over the ends of the strands of the splice. Pull is directly along the centerline of rope and eye. Gives most efficient use of rope capacity, is economical.



Flemish Eye Splice





In the standard flemish eye mechanical splice, rope is separated into two parts — 3 adjacent strands, and 3 adjacent strands and core. These two parts are then re-laid back in opposite directions to form an eye, and ends are secured with a pressed metal sleeve.



Swaging Provides Postive Grip

This cutaway of a metal sleeve swaged onto a splice shows how metal "flows" into valleys between strands to positively prevent ends from unlaying when sling is used within its rated capacity.

All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

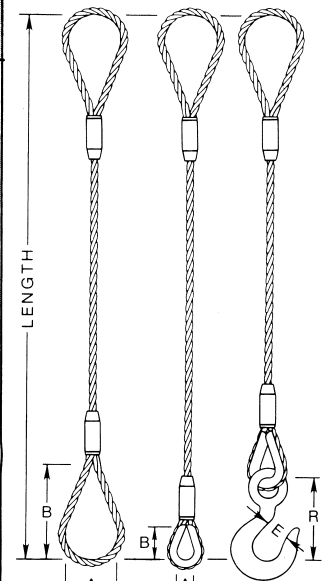
		RATED CAPACITY - Tons*						Eye Dimensions		Thimble		Hook		
		Rope Dia.	Vert.	*** Choker Hitch	Basket Hitch									
									A	B	A	B	WLL** Tons	E
6 x 19 IWRC	1/4	.56	.41	1.1	1.1	.97	.79	2	4	7/8	1 5/8	3/4	15/16	3 7/32
	5/16	.87	.64	1.7	1.7	1.5	1.2	2 1/2	5	1 1/16	1 7/8	1	1 1/32	3 21/32
	3/8	1.2	.92	2.4	2.3	2.1	1.7	3	6	1 1/8	2 1/8	1 1/2	1 1/16	4 3/32
	7/16	1.7	1.2	3.4	3.3	2.9	2.4	3 1/2	7	1 1/4	2 1/4	2	1 7/32	4 11/16
	1/2	2.2	1.6	4.4	4.3	3.8	3.1	4	8	1 1/2	2 3/4	3	1 1/2	5 3/4
	9/16	2.8	2.0	5.6	5.4	4.8	4.0	4 1/2	9	1 1/2	2 3/4	3	1 1/2	5 3/4
	5/8	3.4	2.5	6.8	6.6	5.9	4.8	5	10	1 3/4	3 1/4	5	1 7/8	7 3/8
	3/4	4.9	3.6	9.8	9.5	8.5	6.9	6	12	2	3 3/4	5	1 7/8	7 3/8
	7/8	6.6	4.8	13.	13.	11.	9.3	7	14	2 1/4	4 1/4	7 1/2	2 1/4	9 1/16
	1	8.5	6.3	17.	16.	15.	12.	8	16	2 1/2	4 1/2	10	2 1/2	10 1/16
6 x 37 IWRC	1 1/8	10.	7.9	20.	19.	17.	14.	9	18	2 7/8	5 1/8	10	2 1/2	10 1/16
	1 1/4	13.	9.7	26.	25.	23.	18.	10	20	2 7/8	5 1/8	15	3 3/8	12 1/2
	1 3/8	15.	12.	30.	29.	26.	21.	11	22	3 1/2	6 1/4	15	3 3/8	12 1/2
	1 1/2	18.	14.	36.	35.	31.	25.	12	24	3 1/2	6 1/4	AH-22	3 3/8	12 1/2
	1 5/8	21.	16.	42.	41.	36.	30.	13	26	4	8	AH-30	4	14 1/16
	1 3/4	25.	19.	50.	48.	43.	35.	14	28	4 1/2	9	AH-37	4 1/4	18 5/16
	2	32.	24.	64.	62.	55.	45.	16	32	6	12	AH-45	4 3/4	20 1/4
	2 1/4	39.	30.	78.	75.	68.	55.	18	36	7	14	AH-60	5 3/4	23 23/32
	2 1/2	47.	37.	94.	91.	81.	66.	20	40					
	2 3/4	57.	44.	114.	110.	99.	81.	22	44					
3	67.	52.	134.	129.	116.	95.	24	48						
3 1/2	88.	69.	176.	170.	152.	124.	28	56						
4	113.	88.	226.	218.	196.	160.	32	64						

*Rated Capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 20 or greater, where D= Diameter of curvature around which the body of the sling is bent, and d= nominal diameter of the rope.

** Working Load Limit

*** See Choker Hitch Rated Capacity Adjustment note

115-



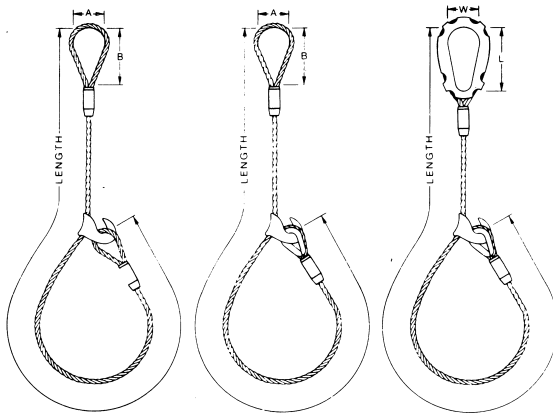
E-E E-HT E-EH

SAFETY HOOKS ARE AVAILABLE IF REQUIRED.

WIRE ROPE
SLINGS

SINGLE PART BODY MECHANICALLY SPLICED SLINGS

115-



E-THE

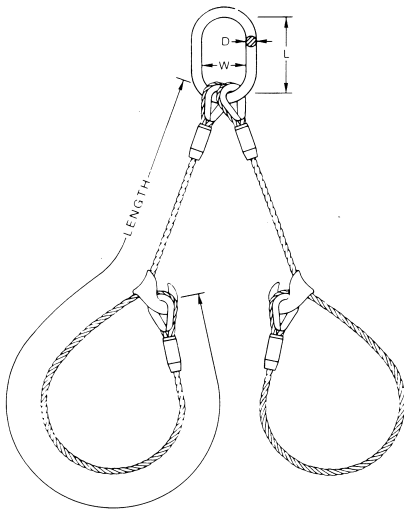
E-TH-HT




ST-TH-HT

Rope Dia.	*** RATED CAPACITY Tons*	Eye Dimensions		Slip-Thru Thimble			Hook No.
				No.	Dimensions		
		A	B		L	W	
1/4	.41	2	4	W-2	4 1/8	2 1/8	1/4- 5/16
5/16	.64	2 1/2	5	W-2	4 1/8	2 1/8	1/4- 5/16
3/8	.92	3	6	W-2	4 1/8	2 1/8	3/8
7/16	1.2	3 1/2	7	W-3	4 3/8	2 3/8	1/2
1/2	1.6	4	8	W-3	4 3/8	2 3/8	1/2
9/16	2.0	4 1/2	9	W-3	4 3/8	2 3/8	5/8
5/8	2.5	5	10	W-4	6 5/8	3 3/8	5/8
3/4	3.6	6	12	W-4	6 5/8	3 3/8	3/4
7/8	4.8	7	14	W-5	7 1/8	3 3/4	7/8-1
1	6.3	8	16	W-5	7 1/8	3 3/4	7/8-1
1 1/8	7.9	9	18	W-6	8 3/8	4 3/8	1 1/8-1 1/4
1 1/4	9.7	10	20	W-6	8 3/8	4 3/8	1 1/8-1 1/4
1 3/8	12.	11	22	W-7	9 1/2	5	1 3/8-1 1/2
1 1/2	14.	12	24	W-7	9 1/2	5	1 3/8-1 1/2

All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

125-TH-HT

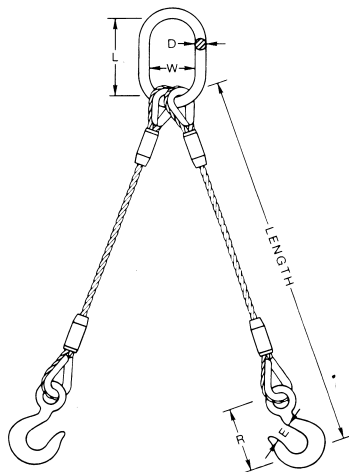


Rope Dia.	RATED CAPACITY Tons*			Alloy Oblong Link			Hook No.
	2 Leg Choker Hitch***						
				D	L	W	
1/4	.79	.71	.58	1/2	5	2 1/2	1/4- 5/16
5/16	1.2	1.1	.91	1/2	5	2 1/2	1/4- 5/16
3/8	1.8	1.6	1.3	1/2	5	2 1/2	3/8
7/16	2.3	2.1	1.7	1/2	5	2 1/2	1/2
1/2	3.1	2.8	2.3	5/8	6	3	1/2
9/16	3.9	3.5	2.8	3/4	5 1/2	2 3/4	5/8
5/8	4.8	4.3	3.5	3/4	5 1/2	2 3/4	5/8
3/4	7.0	6.2	5.1	1	8	4	3/4
7/8	9.3	8.3	6.8	1	8	4	7/8-1
1	12.	11.	8.9	1 1/4	8 3/4	4 3/8	7/8-1
1 1/8	15.	14.	11.	1 1/4	8 3/4	4 3/8	1 1/8-1 1/4
1 1/4	19.	17.	14.	1 1/2	12	6	1 1/8-1 1/4
1 3/8	23.	21.	17.	1 3/4	12	6	1 3/8-1 1/2
1 1/2	27.	24.	20.	1 3/4	12	6	1 3/8-1 1/2

For fittings not shown in this catalog, refer to the Fittings Catalog.

Rated Capacity for two-legged bridles, whether used as chokers or with hooks or other end fixtures, is affected by rigging angles, the same as straight slings in basket hitches. Note reduction in rated capacity as legs spread to wider angles.

125-HT-EH



SAFETY HOOKS ARE AVAILABLE
IF REQUIRED.

Rope Dia.	RATED CAPACITY Tons*			Alloy Oblong Link			Hook		
	2 Leg Choker Hitch***			D	L	W	WLL** Tons	E	R
	30°	60°	90°						
1/4	1.1	.97	.79	1/2	5	2 1/2	3/4	15/16	3 7/32
5/16	1.7	1.5	1.2	1/2	5	2 1/2	1	1 1/32	3 21/32
3/8	2.3	2.1	1.7	1/2	5	2 1/2	1 1/2	1 1/16	4 3/32
7/16	3.3	2.9	2.4	3/4	5 1/2	2 3/4	2	1 7/32	4 11/16
1/2	4.3	3.8	3.1	3/4	5 1/2	2 3/4	3	1 1/2	5 3/4
9/16	5.4	4.8	4.0	1	8	4	3	1 1/2	5 3/4
5/8	6.6	5.9	4.8	1	8	4	5	1 7/8	7 3/8
3/4	9.5	8.5	6.9	1	8	4	5	1 7/8	7 3/8
7/8	13.	11.	9.3	1 1/4	8 3/4	4 3/8	7 1/2	2 1/4	9 1/16
1	16.	15.	12.	1 1/4	8 3/4	4 3/8	10	2 1/2	10 1/16
1 1/8	19.	17.	14.	1 1/2	12	6	10	2 1/2	10 1/16
1 1/4	25.	23.	18.	1 3/4	12	6	15	3 3/8	12 1/2
1 3/8	29.	26.	21.	1 3/4	12	6	15	3 3/8	12 1/2
1 1/2	35.	31.	25.	2	14	7	AH-22	3 3/8	12 1/2
1 5/8	41.	36.	30.	2	14	7	AH-30	4	14 1/16
1 3/4	48.	43.	35.	2 1/4	16	8	AH-37	4 1/4	18 5/16
2	62.	55.	45.	2 1/2	16	8	AH-45	4 3/4	20 1/4

*Rated Capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 20 or greater, where D=Diameter of curvature around which the body of the sling is bent, and d=nominal diameter of the rope.

** Working Load Limit

*** See Choker Hitch Rated Capacity Adjustment note

SINGLE PART BODY MECHANICALLY SPLICED SLINGS

Multi-legged bridles — with two, three or four straight legs — are offered with plain eyes, thimble eyes, open or closed sockets, shackles and turnbuckles. If required, rings or alloy oblong links can be supplied rather than the pear shaped links shown. For fittings not shown in this catalog, refer to the Fittings Catalog.

Rated capacities for 3 & 4 leg bridle slings are based on equal leg slings with the sling angle being the greatest angle measured between any two of the sling legs. For other applications, consult our Fabricated Products Engineering Department.

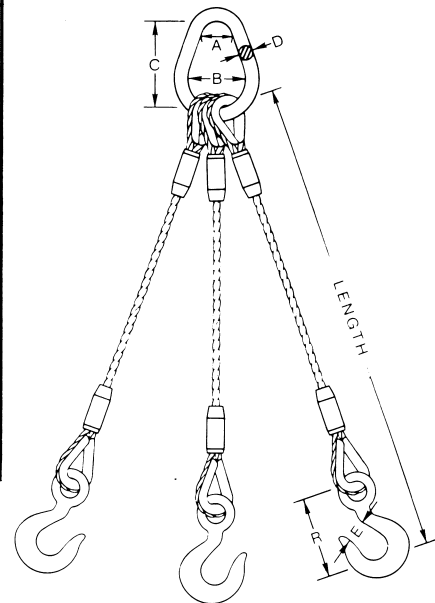
Rope Dia.	RATED CAPACITY Tons**			Alloy Pear Link				Hook		
	30°	60°	90°	A	B	C	D	WLL** Tons	E	R
1/4	1.6	1.4	1.2	1 1/2	3	4 1/2	3/4	3/4	15/16	3 7/32
5/16	2.5	2.3	1.8	1 1/2	3	4 1/2	3/4	1	1 1/32	3 21/32
3/8	3.5	3.1	2.5	1 3/4	3 1/2	5 1/4	7/8	1 1/2	1 1/16	4 3/32
7/16	4.9	4.4	3.6	2	4	6	1	2	1 7/32	4 11/16
1/2	6.4	5.7	4.7	2	4	6	1	3	1 1/2	5 3/4
9/16	8.1	7.3	5.9	2 1/4	4 1/2	6 1/2	1 1/8	3	1 1/2	5 3/4
5/8	9.9	8.8	7.2	2 1/2	5	7 1/2	1 1/4	5	1 7/8	7 3/8
3/4	14.	13.	10.	3 1/4	6 1/2	9 3/4	1 5/8	5	1 7/8	7 3/8
7/8	19.	17.	14.	3 1/2	7	10 1/2	1 3/4	7 1/2	2 1/4	9 1/16
1	25.	22.	18.	3 1/2	7	10 1/2	1 3/4	10	2 1/2	10 1/16
1 1/8	29.	26.	21.	4	8	12	2	10	2 1/2	10 1/16
1 1/4	38.	34.	28.	4 1/2	9	13 1/2	2 1/4	15	3 3/8	12 1/2
1 3/8	43.	39.	32.	5	10	15	2 1/2	15	3 3/8	12 1/2
1 1/2	52.	47.	38.	5	10	15	2 1/2	AH-22	3 3/8	12 1/2
1 5/8	61.	55.	45.	5 1/2	11	16 1/2	2 3/4	AH-30	4	14 1/16
1 3/4	72.	65.	53.	5 1/2	11	16 1/2	2 3/4	AH-37	4 1/4	18 5/16

** Working Load Limit

SAFETY HOOKS ARE AVAILABLE IF REQUIRED.

All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

135-HT-EH



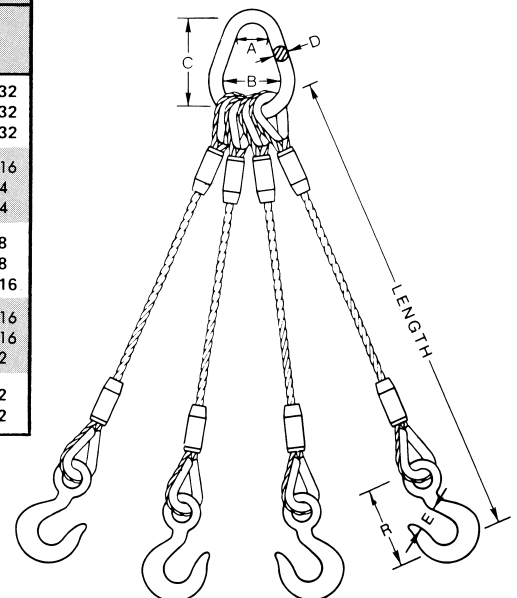
WIRE ROPE SLINGS

Rope Dia.	RATED CAPACITY Tons*			Alloy Pear Link				Hook		
	30°	60°	90°	A	B	C	D	WLL** Tons	E	R
1/4	2.2	1.9	1.6	1 1/2	3	4 1/2	3/4	3/4	15/16	3 7/32
5/16	3.4	3.0	2.5	1 1/2	3	4 1/2	3/4	1	1 1/32	3 21/32
3/8	4.6	4.2	3.4	1 3/4	3 1/2	5 1/4	7/8	1 1/2	1 1/16	4 3/32
7/16	6.6	5.9	4.8	2	4	6	1	2	1 7/32	4 11/16
1/2	8.5	7.6	6.2	2 1/2	5	7 1/2	1 1/4	3	1 1/2	5 3/4
9/16	11.	9.7	7.9	2 3/4	5 1/2	8 1/4	1 3/8	3	1 1/2	5 3/4
5/8	13.	12.	9.6	3	6	9	1 1/2	5	1 7/8	7 3/8
3/4	19.	17.	14.	3 1/2	7	10 1/2	1 3/4	5	1 7/8	7 3/8
7/8	26.	23.	19.	3 1/2	7	10 1/2	1 3/4	7 1/2	2 1/4	9 1/16
1	33.	29.	24.	4	8	12	2	10	2 1/2	10 1/16
1 1/8	39.	35.	28.	4 1/2	9	13 1/2	2 1/4	10	2 1/2	10 1/16
1 1/4	50.	45.	37.	5	10	15	2 1/2	15	3 3/8	12 1/2
1 3/8	58.	52.	42.	5	10	15	2 1/2	15	3 3/8	12 1/2
1 1/2	70.	62.	51.	5 1/2	11	16 1/2	2 3/4	AH-22	3 3/8	12 1/2

** Working Load Limit

*Rated Capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 20 or greater, where D= Diameter of curvature around which the body of the sling is bent, and d=nominal diameter of the rope.

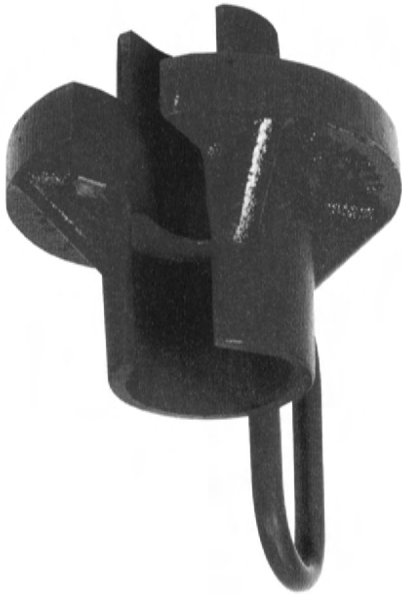
145-HT-EH



Model PC - "Tea Cup" Pipe Carrier

PRODUCT FEATURES:

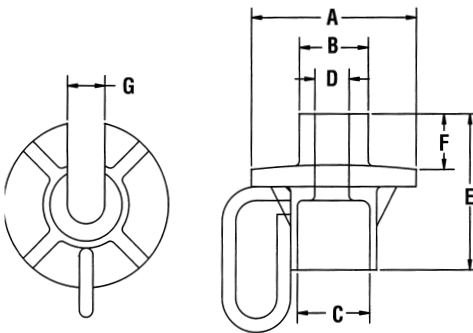
- An efficient way to handle concrete water and sewer pipes.
- The Caldwell "Tea Cup" Carrier will save you time and money.
- Three sizes available, to handle from 3/4" to 1-1/2" cable, and lift up to 18 tons.
- Optional "Spoon" handle allows the PC-3/4 "Tea Cup" to be guided into small diameter pipes.
- Designed and manufactured to ASME B30.20 and B30.9.



SPECIFICATIONS - Model PC

Model Number	Rated Capacity Tons	Dimensions in Inches							WT. (lbs)
		A	B	C	D	E	F	G	
PC-3/4*	6.6	5 9/16	2	2 1/8	1 1/8	4 11/16	1 7/8	1 1/8	9
PC-1	13	6	2 1/2	2 5/8	1 3/8	5 5/8	2	1 3/8	12
PC-1 1/2	18	8	3	3 1/4	1 5/8	7 5/8	3	1 5/8	22

*Can use 'Spoon' handle with this model.



WIRE ROPE
SLINGS

"Tea Cup" Pipe Carrier Options

"Spoon" Handle Option - SH



"Spoon" handle for PC-3/4 only
please order SH-3/4
(Includes bolt on lip)

Tea Cup Lifting Sling Option - LS

SPECIFICATIONS - Model LS

Use With	Model Number	Rated Capacity Tons	Sling Dia. (in)	Standard Length (ft)	After Swage Dim. (in)		WT. (lbs)
					A	B	
PC-3/4	LS-3/4	4.9	3/4	5	3.25	1.55	9
	LS-7/8	6.6	7/8	5	3.86	1.80	14
PC-1	LS-1	8.5	1	5	4.36	2.05	19
	LS-1 1/8	10	1 1/8	5	4.81	2.30	26
	LS-1 1/4	13	1 1/4	5	5.42	2.56	33
PC-1 1/2	LS-1 1/2	18	1 1/2	5	6.52	3.00	52

