

HHERS & HHEER

Rated Capacities in Lbs.

Part No.	Part No.	Color Code	Vertical	Choker	Vertical Basket	Minimum Length	Standard Eye Length	Body Width	Approx. Weight Per Foot
HHERS1	HHEER1	Purple	2,600	2,100	5,200	2'	10"	1.75"	0.4 LB
HHERS2	HHEER2	Green	5,300	4,200	10,600	2'	10"	2.00"	0.5 LB
HHERS3	HHEER3	Yellow	8,400	6,700	16,800	2'	12"	2.5"	0.6 LB
HHERS4	HHEER4	Tan	10,600	8,500	21,200	2'	12"	2.5"	0.7 LB
HHERS5	HHEER5	Red	13,200	10,600	26,400	2'	14"	3.00"	1.0 LB
HHERS6	HHEER6	White	16,800	13,400	33,600	3'	16"	3.00"	1.1 LB
HHERS7	HHEER7	Blue	21,200	17,000	42,400	3'	16"	3.75"	1.6 LB
HHERS8	HHEER8	Orange	25,000	20,000	50,000	3'	18"	3.75"	1.9 LB
HHERS9	HHEER9	Orange	31,000	24,800	62,000	3'	18"	3.75"	2.2 LB
HHERS10	HHEER10	Orange	40,000	32,000	80,000	3'	24"	5.00"	2.9 LB
HHERS11	HHEER11	Orange	53,000	42,400	106,000	5'	24"	5.00"	3.8 LB
HHERS12	HHEER12	Green/Black	66,000	52,800	132,000	5'	24"	6.50"	3.8 LB
HHERS13	HHEER13	Green/Black	90,000	72,000	180,000	5'	36"	6.50"	4.7 LB
HHERS14	HHEER14	Green/Black	100,000	80,000	200,000	5'	36"	6.50"	6.4 LB

*Larger Capacities Available Upon Request

For extra protection and increased durability, eye and eye roundslings are fabricated by encasing the body of an endless sling within a heavy-duty tubular Cordura sleeve.

5:1 design factor



HHERS Endless Roundslings



HHEER Eye And Eye Roundslings

Braided Roundslings



6-Part Braids

HH6BR

Part No.	Color Code	Rated Capacities in Lbs.			Minimum Length	Standard Eye Length	Body Width	Approx. Weight Per Foot
		Vertical	Choker	Vertical Basket				
HH6BR1	Purple	6,700	5,300	13,400	5'	14"	3.25"	1.10 LB
HH6BR2	Green	13,500	10,800	27,000	5'	15"	3.75"	1.45 LB
HH6BR3	Yellow	21,400	17,100	42,800	6'	18"	4.25"	1.90 LB
HH6BR4	Tan	27,000	21,600	54,000	6'	18"	4.50"	2.25 LB
HH6BR5	Red	33,600	26,800	67,200	7'	25"	5.25"	3.00 LB
HH6BR6	White	42,800	34,200	85,600	7'	25"	5.50"	3.50 LB
HH6BR7	Blue	54,000	43,200	108,000	9'	30"	6.63"	4.95 LB
HH6BR8	Orange	63,700	50,900	127,400	10'	33"	8.25"	6.00 LB
HH6BR9	Orange	79,000	63,200	158,000	10'	38"	11.00"	7.75 LB

8-Part Braids

HH8BR

Part No.	Color Code	Rated Capacities in Lbs.			Minimum Length	Standard Eye Length	Body Width	Approx. Weight Per Foot
		Vertical	Choker	Vertical Basket				
HH8BR1	Purple	9,000	7,200	18,000	5'	14"	3.50"	1.40 LB
HH8BR2	Green	18,000	14,400	36,000	5'	15"	4.00"	1.85 LB
HH8BR3	Yellow	28,500	22,800	57,000	6'	18"	4.75"	2.40 LB
HH8BR4	Tan	36,000	28,800	72,000	6'	18"	5.00"	2.85 LB
HH8BR5	Red	44,900	35,900	89,800	7'	25"	6.00"	3.80 LB
HH8BR6	White	57,100	45,600	114,200	7'	25"	6.25"	4.40 LB
HH8BR7	Blue	72,000	57,600	144,000	9'	30"	7.50"	6.25 LB
HH8BR8	Orange	85,000	68,000	170,000	10'	33"	9.50"	7.60 LB
HH8BR9	Orange	105,300	84,200	210,600	10'	38"	13.00"	9.75 LB



**SYNTHETICS APPLICATION
AND WARNING INFORMATION**

Braided roundslings achieve high working load limits without sacrificing the light weight and flexibility offered by the rest of our roundsling line.

Inspection, Care, & Use of Synthetic Slings



REMOVAL FROM SERVICE:

1. If rated capacity tag is missing or not readable.
2. Acid or alkali burns.
3. Melting, charring, or weld splatter of any part of the sling.
4. Holes, tears, cuts, snags, or imbedded particles.
5. Broken or worn stitches.
6. Excessive abrasive wear.
7. Knots in any part of the sling.
8. Distortion, excessive pitting, corrosion, or broken fittings.
9. Any conditions which cause doubt as to the strength of the sling.

OPERATING PRACTICES:

- 1 Determine weight of the load. The weight of the load shall be within the rated capacity of the sling.
- 2 Select sling having suitable characteristics for the type of load, hitch, & environment.
- 3 Slings shall not be loaded in excess of the rated capacity. Consideration shall be given to the sling load angle, which affects rated capacity. (See load factor chart.)
- 4 Slings with fittings, when used as a choker hitch, shall be of sufficient length to assure that the choking action is on the sling and never on a fitting.
- 5 Slings used in a basket hitch shall have the load balanced to prevent slippage.
- 6 The opening in fittings shall be the proper shape and size to insure that the fitting will seat properly in the hook or other attachments.
- 7 Slings shall always be protected from being cut by sharp corners and edges, protrusions, and abrasive surfaces.
- 8 Slings shall not be dragged on the floor or over abrasive surfaces.
- 9 Slings shall not be twisted, tied into knots, or joined by knotting.
- 10 Slings shall not be pulled from under loads if the load is resting on the sling.
- 11 Do not drop slings equipped with fittings.
- 12 Slings that appear to be damaged shall not be used unless inspected & accepted.
- 13 The sling shall be hitched in a manner providing control of the load.
- 14 All parts of the body shall be kept from between the sling and the load, as well as from between the sling and the crane or hoist hook.
- 15 Personnel shall stand clear of the suspended load.
- 16 Personnel shall not ride the sling.
- 17 Shock loading shall be avoided.
- 18 Twisting and kinking the legs (branches) shall be avoided.
- 19 Load applied shall be centered in the base (bowl) of hook to prevent point loading of the hook.
- 20 During lifting, with or without the load, personnel shall be alert for possible snagging.

- 21 The slings' legs shall contain or support the load from the sides above the center of gravity when using a basket hitch.
- 22 Slings shall be long enough that the rated capacity of the sling is adequate when the angle of the legs is considered (see load chart).
- 23 Place block under load prior to setting down the load to allow removal of the sling, if applicable.
- 24 Synthetic slings shall not be used at temperatures above 194 degrees F.
- 25 Exposure to sun or ultraviolet light degrades slings. Store slings in a cool, dry, & dark place when not in use.

INSPECTION

A. Initial Inspection

Before any new or repaired sling is placed in service, it shall be inspected by a designated person to ensure that the correct sling is being used and to determine that the sling meets the requirements of this specification and has not been damaged in shipment.

B. Frequent Inspection

This inspection shall be made by a qualified person handling the sling each time the sling is used.

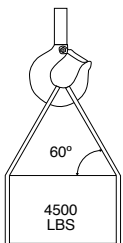
C. Periodic Inspection

This inspection shall be conducted by designated personnel. Frequency of inspection should be based on:

1. Frequency of sling use
2. Severity of service conditions
3. Experience gained on the service life of slings used in similar applications
4. Periodic inspections should be conducted at least monthly

Sling Angle and Sling Load Chart

Sling Angle is the angle measured between a horizontal line and the sling leg or body. The angle is very important and can have a dramatic effect on the rated capacity of the sling. As illustrated, when this angle decreases, the load on each leg increases. This principle applies whether the sling is used to pull at an angle, in a basket hitch, or in multi-legged bridle slings. This data is only for equally loaded sling legs. Sling angles of less than 30 degrees are not recommended.



Sling Angle in Degrees	Factor
90	1.000
85	.996
80	.985
75	.966
70	.940
65	.906
60	.866
55	.819
50	.766
45	.707
40	.643
35	.574
30	.500

Actual sling capacity = Factor x rated capacity

Additional requirements and safe operating practices are outlined in current OSHA and ANSI/ASME B30.9 and/or other regulations as applicable.