ROUND SLING SAFETY INFORMATION

Protect Sling from Damage

ALWAYS protect roundslings from being cut or damaged by corners, edges and protrusions using protection sufficient for each application. Do not ignore warning signs of misuse. Cut marks detected during any sling inspection serve as a clear signal that sling protection must be added or improved.

Exposure of slings to edges

Edges do not need to be "sharp" to cause failure of the sling. Chamfering or cutting off edges is not an acceptable substitute for fully rounding the edges to the minimum radius. Slings can also be damaged from contact with edges or burrs at the sling connection.

Sling Hardware and Connections

Connection surfaces must be smooth to avoid abrading or cutting roundslings. Roundslings can also be damaged or weakened by excessive compression between the sling and the connection points if the size of the attachment hardware or connection area is not large enough to avoid this damage. Select and use proper connection hardware that conforms to the size requirements listed for choker and vertical hitches, or for basket hitches in the charts below.

Minimum hardware dimensions suitable for use with roundslings.

Size	Single Part		Double Part	
	Min. Stock Dia (in)	Min. Width (in)	Min. Stock Dia (in)	Min. Width (in)
EN30	7/16	1	9/16	1 3/8
EN60	5/8	1 3/8	7/8	1 7/8
EN90	3/4	1 3/4	1 1/16	2 3/8
EN120	7/8	1 7/8	1 1/4	2 1/2
EN150	1	2	1 3/8	2 7/8
EN180	1 1/8	2 1/8	1 5/8	3
EN240	1 3/16	2 5/8	1 5/8	3 3/4
EN360	1 1/2	3 1/4	2	4 1/2
EN600	2	4	2 3/4	5 5/8
EN800	2 1/8	4 5/8	3	6 1/2
EN1000	2 1/2	5 1/4	3 1/2	7 3/8

ROUND SLING REMOVAL CRITERIA

Polyester Round Slings (ASME B30.9) - A synthetic round sling shall be removed from service if conditions such as the following are present:

1. Missing or illegible sling identification.
2. Acid or caustic burns.
3. Evidence of heat damage.
4. Holes, tears, cuts, abrasive wear, or snags that expose the core yarns.
5. Broken or damaged core yarns.
6. Weld splatter that exposes core yarns.
7. Round slings that are knotted.
8. Discoloration and brittle or stiff areas on any part of the slings, which may mean chemical or ultraviolet/sunlight damage.
9. Fittings that are pitted, corroded, cracked, bent twisted, gouged, or broken.
10. For hooks, removal criteria as stated in ASME B30.10
11. Other conditions, including visible damage, that cause doubt as to the continued use of the sling.

Melting or Charring

Illegible Tag

Knots

Snags & Punctures

888-829-9099 • 877-789-9099 fax

ENDLESS ROUND SLINGS

Roundslings are lightweight and high capacity alternative to heavier wire rope and chain. They are flexible and easy to handle with a seamless tubular construction. Capacities are classified by color code for quick identification of capacity.

Round Sling Part Number Breakdown

EN 60 x 10

TYPE OF SLING
EN, EE, SOS, DOS, GOS

SLING SIZE CODE
30, 60, 90, 120
150, 180, 240
300, 360, 400
600, 800, 1000

LENGTH
3 Foot Through
20 Foot Standard

NOTE: 2 letter code (AA, AB, AC, etc...) after size code will be used to specify custom slings.

Part Number	Color Code	Approx. Body Dia. (in)	Minimum Length (ft)	Working Load Limit (lbs.)		
				Vertical	Choker	V. Basket
EN30	Purple	5/8	2	2,600	2,100	5,200
EN60	Green	7/8	2	5,300	4,200	10,600
EN90	Yellow	1 1/8	3	8,400	6,700	16,800
EN120	Tan	1 1/8	3	10,600	8,500	21,200
EN150	Red	1 3/8	3	13,200	10,600	26,400
EN180	White	1 3/8	3	16,800	13,400	33,600
EN240	Blue	1 3/4	3	21,200	17,000	42,400
EN300	Orange	2	6	25,000	20,000	50,000
EN360	Orange	2 1/4	6	31,000	24,800	62,000

When ordering specify Length • Features Double Wall Jacket • Design factor is minimum 5 to 1

EYE TO EYE ROUND SLINGS

All the features of an endless but with an additional jacket creating two color coded lifting eyes. The protective jacket can extend the life of the sling if abrasion to the body is a problem.

Part Number	Color Code	Body Width at Load (in)	Minimum Length (ft)	Standard Eye Length (in)	Working Load Limit (lbs.)		
					Vertical	Choker	V. Basket
EE30	Purple	2 1/4	4	10	2,600	2,100	5,200
EE60	Green	2 1/2	4	10	5,300	4,200	10,600
EE90	Yellow	2 1/2	4	12	8,400	6,700	16,800
EE120	Tan	3 1/2	5	12	10,600	8,500	21,200
EE150	Red	3 1/2	5	14	13,200	10,600	26,400
EE180	White	3 3/4	7	16	16,800	13,400	33,600
EE240	Blue	4 1/4	7	16	21,200	17,000	42,400
EE300	Orange	5	7	20	25,000	20,000	50,000
EE360	Orange	6	7	20	31,000	24,800	62,000

When ordering specify Length • Features Double Wall Jacket • Design factor is minimum 5 to 1

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ROUND SLING BRIDLES & HOOKS

Bridle slings feature combinations of links and hook hardware. Hardware connections provide for the efficient handling of loads with fixed lifting points.

Part Number	Color Code	Number of Legs	Minimum Reach (ft)	Capacity (lbs.)		Oblong Link Dia. (in.)	Sling Hook Size
				Vertical	Basket		
SOS-EE30	Purple	1	4	2,600	5,200	5/8	2.75T (9/32)
SOS-EE60	Green	1	4	5,300	10,600	3/4	4.5T (3/8)
SOS-EE90	Yellow	1	4	8,400	16,800	7/8	7T (1/2)
SOS-EE120	Tan	1	4	10,600	21,200	7/8	11T (5/8)

Part Number	Color Code	Number of Legs	Minimum Reach (ft)	Capacity (lbs.)			Oblong Link Dia. (in.)	Sling Hook Size
				60°	45°	30°		
DOS-EE30	Purple	2	4	4,500	3,600	2,600	3/4	2.75T (9/32)
DOS-EE60	Green	2	4	9,100	7,400	5,300	7/8	4.5T (3/8)
DOS-EE90	Yellow	2	4	14,500	11,800	8,400	1	7T (1/2)
DOS-EE120	Tan	2	5	18,300	14,900	10,600	1 1/4	11T (5/8)