HEBEI SLN SLING GROUP CO.,LTD
ISO 9001/CE/GS/SGS/CCS/ABS/DNV

Webbing sling

To be the safest slings brand in China

Website:www.slings.cn
Factory Add.: Dawangdian Industrial Park, Baoding City, Hebei Province, P.R.C.

EN 1492 Webbing sling

SLN 100% polyester webbing sling, it is made of 100% polyester which is a soft low stretch material with quick drying capabilities. Polyester retains much of its strength when wet, also resists UV light, mildew and abrasion. The safety factor of webbing sling is 5, 6, 7. Producing Standard: En1492.

SLN Application / Warning Instructions for Polyester Webbing Slings

Before Use :

- Inspect sling for damage from cuts, heat, chemicals or excessive wear.
- If damage is visible, DO NOT USE! Remove sling from service IMMEDIATELY!
- Be sure sling capacity tag is in place and can be easily read.
- See Sling Angle Load Chart to determine loss of capacity due to lift angle and sling configuration.
- NEVER expose sling to temperatures above 194 degrees F (90 degrees C).

During Use :

- ALWAYS protect sling from cuts. Avoid sharp edges & corners, pointed objects, and rough surfaces.
- NEVER tie knots in sling webbing.
- NEVER pull objects that are stuck or snagged.
- NEVER use near acids with nylon OR alkalis with polyester.

SLN Webbing Sling Inspections

ALL INSPECTIONS MUST BE DONE ONLY BY TRAINED AND QUALIFIED PERSONNEL

1. Initial Inspection: Before any new or repaired sling is placed in service, it shall be inspected to ensure that the correct sling is being used, as well as to determine that the sling meets the requirements of this specification and has not been damaged in shipment.
2. Frequent Inspection: This inspection shall be done each time the sling is used.
3. Periodic Inspection: Frequency of inspection should be based on:

A. Frequency of sling use.
B. Severity of service conditions.
C. Experience gained on the service life of slings used in similar applications.
D. Periodic inspections should be conducted at least monthly.

SLN Environmental Considerations

1. Web Slings should be stored in a cool, dry, and dark place to prevent loss of strength when not in use through exposure to ultra-violet rays. Web slings shall not be stored in chemically active areas.
2. Chemically active environments can affect the strength of web slings in varying degrees ranging from little to total degradation. The web sling manufacturer, or qualified person should be consulted before slings are used in a chemically active environment.

A. ACIDS - Polyester is resistant to many acids, but is subject to degradation, ranging from little to moderate in some acids. Each application shall be evaluated, taking into consideration the following:
a. Type of acid
b. Exposure conditions
c. Concentration
d. Temperature

B. ALKALIS - Polyester is subject to degradation in alkalis, ranging from little to total degradation. Each application shall be evaluated, taking into consideration the following:
a. Type of Alkalis
b. Exposure conditions
c. Concentration
d. Temperature

3. polyester web slings shall not be used at temperatures in excess of 194° F (90° C), or at temperatures below minus 40° F (-40° C).
4. Web slings incorporating aluminum fittings shall not be used where fumes, vapors, sprays, mists, or liquids of alkalis and/or acids are present.
5. Environments in which synthetic web slings are continuously exposed to ultra-violet light can affect the strength of synthetic web slings in varying degrees ranging from slight to total degradation.

SLN CAUTION: Degradation can take place without visible indications.

A. Factors which affect the degree of strength loss are:
(1) Length of time of continuous exposure
(2) Web sling construction and design
(3) Other environmental factors such as weather conditions and geographic location
B. Procedures to minimize the affects of ultra-violet light
(1) Store web slings in a cool, dry and dark place when not being used for prolonged periods of time
C. Some visual indications of ultra-violet degradation are:
(1) Bleaching out of web sling color
(2) Bleaching out of web sling color
(3) Increased stiffness of web sling material
(4) Surface abrasion in areas not normally in contact with the load
D. Proof Testing—Slings used in environments where they are subject to continuous exposure to ultraviolet light shall be proof tested to twice the rated capacity semi-annually, or more frequently depending on severity of exposure.

SLN Operating Practices for Synthetic Slings

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 and environment.
3. Slings shall not be loaded in excess of the rated capacity. Consideration shall be given to the sling to load angle which affects rated capacity. (See Sling Angle Chart)
4. Slings with fittings which are used in a choker hitch shall be of sufficient length to assure that the choking action is on the webbing and never on a fitting or splice.
5. Slings used in a basket hitch shall have the load controlled 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, sharp edges, protrusions or abrasive surfaces with protection sufficient for the intended purpose.
8. Slings shall not be dragged on the floor or over abrasive surface.
9. Slings shall not be twisted or tied into knots, or shorten or joined by knotting.
10. Slings shall not be pulled from under loads if the load is resting on the sling. Loads resting on Web slings could damage the sling.
11. Do not drop slings equipped with metal fittings.
12. Slings that appear to be damaged shall not be used unless inspected and accepted.
13. The sling shall be hitched in a manner providing control of the load.
14. Personnel shall stand clear of the suspended load.
15. Personnel, including portions of the human body, shall be kept from between the Sling and the load, and from between the Sling and the crane hook or hoist hook.
16. Personnel shall not ride the sling or load being lifted.
17. Shock loading shall be avoided.
18. Twisting and kinking the legs (branches) shall be avoided.
19. Load applied to the hook shall be centered in the base (bowl) of hook to prevent point loading on the hook.
20. During lifting, with or without the load, personnel shall be alert for possible snagging.
21. The Web Slings' legs (branches) 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 so that the rated capacity of the sling is adequate when the angle of the legs (branches) is taken into consideration. (see load chart)
23. Place blocks under load prior to setting down the load, to allow removal of the Web Sling, if applicable.
24. Nylon & Polyester Slings shall not be used in contact with objects or at temperatures above 194 degrees F (90 degrees C).
25. Exposure to sunlight or ultra-violet light degrades the strength of Slings. Store slings in a cool, dry and dark place when not in use.
26. Slings shall not be used to pull on objects in a snagged or constrained condition.
27. Only web slings with legible identification tags shall be used.
28. Tags and labels should be kept away from the load, hook and point of choke.
29. Web slings shall not be constricted or bunched between the ears of a clevis or shackle.
30. Web slings shall not be used as bridles on suspended personnel platforms.

SLN W02 (Eye Type)

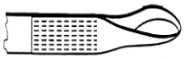
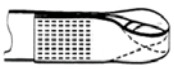
Art.NO.	WLL(kg)	Approx Thickness (mm)	Approx Width(mm)			L(m)		Eye Length (mm)
			5:1	6:1	7:1	Min Length	Max Length	
SLNWEE0201	1000	7.5	25	25	30	1.1	100	300
SLNWEE0202	2000	7.5	50	50	60	1.2	100	300
SLNWEE0203	3000	7.5	75	75	90	1.3	100	350
SLNWEE0204	4000	7.5	100	100	120	1.4	100	500
SLNWEE0205	5000	7.5	125	125	150	2.0	100	550
SLNWEE0206	6000	7.5	150	150	180	2.0	100	600
SLNWEE0208	8000	7.5	200	200	240	2.0	100	700
SLNWEE0210	10000	7.5	250	250	300	3.0	100	800
SLNWEE0212	12000	7.5	300	300	300	3.0	100	900

SLN W04(Heavy Eye Type)

Art.NO.	WLL(kg)	Approx Thickness (mm)	Approx Width(mm)			L(m)		Eye Length (mm)
			5:1	6:1	7:1	Min Length	Max Length	
SLNWEE0402	2000	15	25	25	30	1.5	100	300
SLNWEE0404	4000	15	50	50	60	1.5	100	300
SLNWEE0406	6000	15	75	75	90	1.5	100	350
SLNWEE0408	8000	15	100	100	120	2.0	100	500
SLNWEE0410	10000	15	125	125	150	2.0	100	550
SLNWEE0412	12000	15	150	150	180	3.0	100	600
SLNWEE0416	16000	15	200	200	240	3.0	100	700
SLNWEE0420	20000	15	250	250	300	3.0	100	800
SLNWEE0424	24000	15	300	300	300	3.0	100	900

Marks for Art. NO. for example SLNWEE0201, SLN is our brand, W is for webbing sling, EE is for eye type, 02 is for type 2, 01 is for WLL.

Eye Type

1. Flat Eye 
2. Reversed Eye 
3. Folded Eye 1/2 width from one side 
4. Folded eye 1/2 width from 2 sides 
5. Folded eye 1/3 width 

SLN Webbings

Marks for item No.(Example SLNWB25-5)
SLN is our brand, WB is for webbings, 25 is for the width of the webbing, 5 is for safety factor.

Item.NO	Safety Factor	Width(mm)	Breaking Load(kg)	Colour
SLNWB25-5	5:1	25	3100	purple
SLNWB30-6	6:1	25	3800	
SLNWB30-7	7:1	30	4400	
SLNWB50-5	5:1	50	6200	green
SLNWB50-6	6:1	50	7500	
SLNWB60-7	7:1	60	8750	
SLNWB75-5	5:1	75	9400	yellow
SLNWB75-6	6:1	75	11300	
SLNWB90-7	7:1	90	13100	
SLNWB100-5	5:1	100	12500	gray
SLNWB100-6	6:1	100	15000	
SLNWB120-7	7:1	120	17500	
SLBWB125-5	5:1	125	15600	red
SLBWB125-6	6:1	125	18800	
SLBWB150-7	7:1	150	21900	
SLNWB150-5	5:1	150	18800	coffee
SLNWB150-6	6:1	150	22500	
SLNWB180-7	7:1	180	26300	
SLNWB200-5	5:1	200	25000	blue
SLNWB200-6	6:1	200	30000	
SLNWB240-7	7:1	240	35000	
SLNWB250-5	5:1	250	31300	orange
SLNWB250-6	6:1	250	37500	
SLNWB300-7	7:1	300	43750	

SLN W01 (Endless Type)

Item NO.	WLL(kg)	Approx Thickness (mm)	Approx Width(mm)			L(m)	
			5:1	6:1	7:1	Min Length	Max Length
SLNWEN0101	1000	4	25	25	30	0.5	100
SLNWEN0102	2000	4	50	50	60	1.0	100
SLNWEN0103	3000	4	75	75	90	1.0	100
SLNWEN0104	4000	4	100	100	120	1.5	100
SLNWEN0105	5000	4	125	125	150	1.5	100
SLNWEN0106	6000	4	150	150	180	1.5	100
SLNWEN0108	8000	4	200	200	240	2.0	100
SLNWEN0110	10000	4	250	250	300	2.0	100
SLNWEN0112	12000	4	300	300	300	2.0	100

SLN 100% polyester endless webbing sling,1T-12T, length from 0.5M-100M;

SLN W03(Heavy Endless Type)

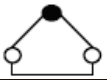
Item NO.	WLL(kg)	Approx Thickness (mm)	Approx Width(mm)			L(m)	
			5:1	6:1	7:1	Min Length	Max Length
SLNWEN0302	2000	7.5	25	25	30	0.5	100
SLNWEN0304	4000	7.5	50	50	60	1.0	100
SLNWEN0306	6000	7.5	75	75	90	1.0	100
SLNWEN0308	8000	7.5	100	100	120	1.5	100
SLNWEN0310	10000	7.5	125	125	150	1.5	100
SLNWEN0312	12000	7.5	150	150	180	1.5	100
SLNWEN0316	16000	7.5	200	200	240	2.0	100
SLNWEN0320	20000	7.5	250	250	300	2.0	100
SLNWEN0324	24000	7.5	300	300	300	2.0	100

Remark for items No. for example SLNWEN0101, SLN is brand, W is for webbing sling, EN is for endless type, 01 is for type 1, 01 is for WLL

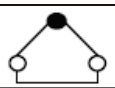
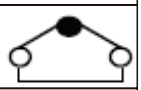
WSTDA webbing sling

SLN WSTDA synthetic web sling is fabricated by sewing woven synthetic webbing of nylon or polyester type yarns into basic types with or without fittings.

The design factor for new synthetic web sling shall be a minium of Five(5).

	Synthetic web slings-American Standard(WSTDA) Class 5-1 Ply Slings							
	TypesI,II,III, IV							
		Single Leg			2 Leg or Single Basket			
		Hitch Types			Horizontal Angles			
	Sling Width	Vertical	Choker	Vertical Basket	90°	60°	45°	30°
								
SLNAEE5110	1 in	1,100 lb.	850 lb.	2,200 lb.	2,200 lb.	1,900 lb.	1,550 lb.	1,100 lb.
SLNAEE5115	1½ in.	1,600 lb.	1,250 lb.	3,200 lb.	3,200 lb.	2,750 lb.	2,250 lb.	1,600 lb.
SLNAEE5117	1¾ in.	1,900 lb.	1,500 lb.	3,800 lb.	3,800 lb.	3,250 lb.	2,650 lb.	1,900 lb.
SLNAEE5120	2 in.	2,200 lb.	1,750 lb.	4,400 lb.	4,400 lb.	3,800 lb.	3,100 lb.	2,200 lb.
SLNAEE5130	3 in.	3,300 lb.	2,600 lb.	6,600 lb.	6,600 lb.	5,700 lb.	4,650 lb.	3,300 lb.
SLNAEE5140	4 in.	4,400 lb.	3,500 lb.	8,800 lb.	8,800 lb.	7,600 lb.	6,200 lb.	4,400 lb.
SLNAEE5150	5 in.	5,500 lb.	4,400 lb.	11,000 lb.	11,000 lb.	9,500 lb.	7,750 lb.	5,500 lb.
SLNAEE5160	6 in.	6,600 lb.	5,250 lb.	13,200 lb.	13,200 lb.	11,400 lb.	9,300 lb.	6,600 lb.

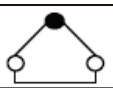
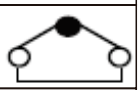
	Synthetic web slings-American Standard(WSTDA) Class 5-1 Ply Slings						
	Type v						
		Endless					
		Hitch Types			Horizontal Angles		
	Sling Width	Vertical	Choker	Vertical Basket	60°	45°	30°
							
SLNAEW5110	1 in	2,200 lb.	1,750 lb.	4,400 lb.	3,800 lb.	3,100 lb.	2,200 lb.
SLNAEW5115	1½ in.	3,200 lb.	2,550 lb.	6,400 lb.	5,500 lb.	4,500 lb.	3,200 lb.
SLNAEW5117	1¾ in.	3,800 lb.	3,000 lb.	7,600 lb.	6,550 lb.	5,350 lb.	3,800 lb.
SLNAEW5120	2 in.	4,400 lb.	3,500 lb.	8,800 lb.	7,600 lb.	6,200 lb.	4,400 lb.
SLNAEW5130	3 in.	6,600 lb.	5,250 lb.	13,200 lb.	11,400 lb.	9,300 lb.	6,600 lb.
SLNAEW5140	4 in.	8,800 lb.	7,000 lb.	17,600 lb.	15,200 lb.	12,400 lb.	8,800 lb.
SLNAEW5150	5 in.	11,000 lb.	8,800 lb.	22,000 lb.	19,050 lb.	15,550 lb.	11,000 lb.
SLNAEW5160	6 in.	13,200 lb.	10,550 lb.	26,400 lb.	22,850 lb.	18,650 lb.	13,200 lb.

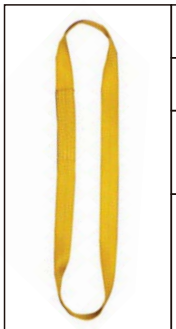
	Synthetic web slings-American Standard(WSTDA) Class 5-2 Ply Slings							
	TypesI,II,III, IV							
		Single Leg			2 Leg or Single Basket			
		Hitch Types			Horizontal Angles			
	Sling Width	Vertical	Choker	Vertical Basket	90°	60°	45°	30°
								
SLNAEE5210	1 in	2,200 lb.	1,750 lb.	4,400 lb.	4,400 lb.	3,800 lb.	3,100 lb.	2,200 lb.
SLNAEE5215	1½ in.	3,300 lb.	2,600 lb.	6,600 lb.	6,600 lb.	5,700 lb.	4,650 lb.	3,300 lb.
SLNAEE5217	1¾ in.	3,800 lb.	3,000 lb.	7,600 lb.	7,600 lb.	6,550 lb.	5,350 lb.	3,800 lb.
SLNAEE5220	2 in.	4,400 lb.	3,500 lb.	8,800 lb.	8,800 lb.	7,600 lb.	6,200 lb.	4,400 lb.
SLNAEE5230	3 in.	6,600 lb.	5,250 lb.	13,200 lb.	13,200 lb.	11,400 lb.	9,300 lb.	6,600 lb.
SLNAEE5240	4 in.	8200 lb.	6,550 lb.	16,400 lb.	16,400 lb.	14,200 lb.	11,550 lb.	8,200 lb.
SLNAEE5250	5 in.	10,200 lb.	8,150 lb.	20,400 lb.	20,400 lb.	17,650 lb.	14,400 lb.	10,200 lb.
SLNAEE5260	6 in.	12,300 lb.	9,800 lb.	24,600 lb.	24,600 lb.	21,300 lb.	17,350 lb.	12,300 lb.

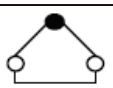
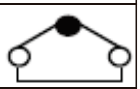
	Synthetic web slings-American Standard(WSTDA) Class 5-2 Ply Slings						
	Type v						
		Endless					
		Hitch Types			Horizontal Angles		
	Sling Width	Vertical	Choker	Vertical Basket	60°	45°	30°
							
SLNAEW5210	1 in	4,400 lb.	3,500 lb.	8,800 lb.	7,600 lb.	6,200 lb.	4,400 lb.
SLNAEW5215	1½ in.	6,600 lb.	5,250 lb.	13,200 lb.	11,400 lb.	9,300 lb.	6,600 lb.
SLNAEW5217	1¾ in.	7,600 lb.	6,050 lb.	15,200 lb.	13,150 lb.	10,700 lb.	7,600 lb.
SLNAEW5220	2 in.	8,800 lb.	7,000 lb.	17,600 lb.	15,200 lb.	12,400 lb.	8,800 lb.
SLNAEW5230	3 in.	13,200 lb.	10,550 lb.	26,400 lb.	22,850 lb.	18,650 lb.	13,200 lb.
SLNAEW5240	4 in.	16,400 lb.	13,100 lb	32,800 lb.	28,400 lb.	23,150 lb.	16,400 lb.
SLNAEW5250	5 in.	20,400 lb.	16,300 lb.	40,800 lb.	35,300 lb.	28,850 lb.	20,400 lb.
SLNAEW5260	6 in.	24,600 lb.	19,650 lb.	49,200 lb.	42,600 lb.	34,760 lb.	24,600 lb.

Notes:
1) The rated capacities are based on struffer weave construction webbing with a minium certified tensile strength of 6,800 pounds per inch of webbing width
2) Rated capacities for Type III, IV slings apply to both tapered and non-tapered eye constructions. Rated capacities for Type vslings are based on non-tapered webbing.
3) For Type VI slings and for other sling types, consult the manufacturer for rated capacities.

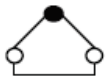
Note:
ALWAYS CHECK THE IDENTIFICATION TAG TO DETERMINE IF THE WEB SLING RATED CAPACITY IS APPROPRIATE FOR THE LIFT.

	Synthetic web slings-American Standard(WSTDA) Class 7-1 Ply Slings							
	TypesI,II,III, IV							
		Single Leg			2 Leg or Single Basket			
		Hitch Types			Horizontal Angles			
	Sling Width	Vertical	Choker	Vertical Basket	90°	60°	45°	30°
								
SLNAEE7110	1 in	1,600 lb.	1,250 lb.	3,200 lb.	3,200 lb.	2,750 lb.	2,250 lb.	1,600 lb.
SLNAEE7115	1½ in.	2,300 lb.	1,800 lb.	4,600 lb.	4,600 lb.	3,950 lb.	3,250 lb.	2,300 lb.
SLNAEE7117	1¾ in.	2,700 lb.	2,150 lb.	5,400 lb.	5,400 lb.	4,650 lb.	3,800 lb.	2,700 lb.
SLNAEE7120	2 in.	3,100 lb.	2,450 lb.	6,200 lb.	6,200 lb.	5,350 lb.	4,350 lb.	3,100 lb.
SLNAEE7130	3 in.	4,700 lb.	3,750 lb.	9,400 lb.	9,400 lb.	8,100 lb.	6,600 lb.	4,700 lb.
SLNAEE7140	4 in.	6,200 lb.	4,950 lb.	12,400 lb.	12,400 lb.	10,700 lb.	8,750 lb.	6,200 lb.
SLNAEE7150	5 in.	7,800 lb.	6,200 lb.	15,600 lb.	15,600 lb.	13,500 lb.	11,000 lb.	7,800 lb.
SLNAEE7160	6 in.	9,300 lb.	7,400 lb.	18,600 lb.	18,600 lb.	16,100 lb.	13,150 lb.	9,300 lb.
SLNAEE7180	8 in.	11,800 lb.	9,400 lb.	23,600 lb.	23,600 lb.	20,400 lb.	16,650 lb.	11,800 lb.
SLNAEE71100	10 in.	14,700 lb	11,750 lb.	29,400 lb.	29,400 lb.	25,450 lb.	20,750 lb.	14,700 lb.
SLNAEE71120	12 in.	17,600 lb.	14,050 lb.	35,200 lb.	35,200 lb.	30,450 lb.	24,850 lb.	17,600 lb.

	Synthetic web slings-American Standard(WSTDA) Class 7-1 Ply Slings						
	Type v						
		Endless					
		Hitch Types			Horizontal Angles		
	Sling Width	Vertical	Choker	Vertical Basket	60°	45°	30°
							
SLNAEW7110	1 in	3,200 lb.	2,550 lb.	6,400 lb.	5，500 lb.	4,500 lb.	3,200 lb.
SLNAEW7115	1½ in.	4,600 lb.	3,650 lb.	9,200 lb.	7,950 lb.	6,500 lb.	4,600 lb.
SLNAEW7117	1¾ in.	5,400 lb.	4,300 lb.	10,800 lb.	9,350 lb.	7,600 lb.	5,400 lb.
SLNAEW7120	2 in.	6,200 lb.	4,950 lb.	12,400 lb.	10,700 lb.	8,750 lb.	6,200 lb.
SLNAEW7130	3 in.	9,400 lb.	7,500 lb.	18,800 lb.	16,250 lb.	13,250 lb.	9,400 lb.
SLNAEW7140	4 in.	12,400 lb.	9,900 lb.	24,800 lb.	21,450 lb.	17,500 lb.	12,400 lb.
SLNAEW7150	5 in.	15,600 lb.	12,450 lb.	31,200 lb.	27,000 lb.	22,050 lb.	15,600 lb.
SLNAEW7160	6 in.	18,600 lb.	14,850 lb.	37,200 lb.	32,200 lb.	26,300 lb.	18,600 lb.

	Synthetic web slings-American Standard(WSTDA) Class 7-2 Ply Slings							
	TypesI,II,III, IV							
		Single Leg			2 Leg or Single Basket			
		Hitch Types			Horizontal Angles			
	Sling Width	Vertical	Choker	Vertical Basket	90°	60°	45°	30°
								
SLNAEE7210	1 in	3,100 lb.	2,450 lb.	6,200 lb.	6,200 lb.	5,350 lb.	4,350 lb.	3100 lb.
SLNAEE7215	1½ in.	4,700 lb.	3,750 lb.	9,400 lb.	9,400 lb.	8,100 lb.	6,600 lb.	4,700 lb.
SLNAEE7217	1¾ in.	5,400 lb.	4,300 lb.	10,800 lb.	10,800 lb.	9,350 lb.	7,600 lb.	5,400 lb.
SLNAEE7220	2 in.	6,200 lb.	4,950 lb.	12,400 lb.	12,400 lb.	10,700 lb.	8,750 lb.	6,200 lb.
SLNAEE7230	3 in.	8,800 lb.	7,000 lb.	17,600 lb.	17,600 lb.	15,200 lb.	12,400 lb.	8,800 lb.
SLNAEE7240	4 in.	11,000 lb.	8,800 lb.	22,000 lb.	22,000 lb.	19,050 lb.	15,550 lb.	11,000 lb.
SLNAEE7250	5 in.	13,700 lb.	10,950 lb.	27,400 lb.	27,400 lb.	23,700 lb.	19,350 lb.	13,700 lb.
SLNAEE7260	6 in.	16,500 lb.	13,200 lb.	33,000 lb.	33,000 lb.	28,550 lb.	23,300 lb.	16,500 lb.
SLNAEE7280	8 in.	22,700 lb.	18,150 lb.	45,400 lb.	45,400 lb.	39,300 lb.	32,100 lb.	22,700 lb.
SLNAEE72100	10 in.	28,400 lb.	22,700 lb.	56,800 lb.	56,800 lb.	49,150 lb.	40,150 lb.	28,400 lb.
SLNAEE72120	12 in.	34,100 lb.	27,250 lb.	68,200 lb.	68,200 lb.	59,050 lb.	48,200 lb.	34,100 lb.

	Synthetic web slings-American Standard(WSTDA) Class 7-2 Ply Slings						
	Type v						
		Endless					
		Hitch Types			Horizontal Angles		
	Sling Width	Vertical	Choker	Vertical Basket	60°	45°	30°
							
SLNAEW7210	1 in	6,200 lb.	4,950 lb.	12,400 lb.	10,700 lb.	8,750 lb.	6,200 lb.
SLNAEW7215	1½ in.	9,400 lb.	7,500 lb.	18,800 lb.	16,250 lb.	13,250 lb.	9,400 lb.
SLNAEW7217	1¾ in.	10,800 lb.	8,600 lb.	21,600 lb.	18,700 lb.	15,250 lb.	10,800 lb.
SLNAEW7220	2 in.	12,400 lb.	9,900 lb.	24,800 lb.	21,450 lb.	17,500 lb.	12,400 lb.
SLNAEW7230	3 in.	17,600 lb.	14,050 lb.	35,200 lb.	30,450 lb.	24,850 lb.	17,600 lb.
SLNAEW7240	4 in.	22,000 lb.	17,600lb.	44,000 lb.	38,100 lb.	31,100 lb.	22,000 lb.
SLNAEW7250	5 in.	27,400 lb.	21,900 lb.	54,800 lb.	47,450 lb.	38,700 lb.	27,400 lb.
SLNAEW7260	6 in.	33,000 lb.	26,400 lb.	66,000 lb.	57,150 lb.	46,650 lb.	33,000 lb.
SLNAEW7280	8 in.	42,300 lb.	33,800 lb.	84,600 lb.	73,250 lb.	59,800 lb.	42,300 lb.
SLNAEW72100	10 in.	52,900 lb.	42,300 lb.	105,800 lb.	91,600 lb.	74,800 lb.	52,900 lb.
SLNAEW72120	12 in.	63,500 lb.	50,800 lb.	127,000 lb.	109,950 lb.	89,800 lb.	63,500 lb.

	Synthetic web slings-American Standard(WSTDA) Class 7-4 Ply Slings							
	TypesI,II,III, IV							
		Single Leg			2 Leg or Single Basket			
		Hitch Types			Horizontal Angles			
	Sling Width	Vertical	Choker	Vertical Basket	90°	60°	45°	30°
								
SLNAEE7410	1 in	5,500 lb.	4,400 lb.	11,000 lb.	11,000 lb.	9,500 lb.	7,750 lb.	5,500 lb.
SLNAEE7420	2 in.	11,000 lb.	8,800 lb.	22,000 lb.	22,000 lb.	19,050 lb.	15,550 lb.	11,000 lb.
SLNAEE7430	3 in.	16,400 lb.	13,100 lb.	32,800 lb.	32,800 lb.	28,400 lb.	23,150 lb.	16,400 lb.
SLNAEE7440	4 in.	20,400 lb.	16,300 lb.	40,800 lb.	40,800 lb.	35,300 lb.	28,850 lb.	20,400 lb.
SLNAEE7450	5 in.	25,500 lb.	20,400 lb.	51,000 lb.	51,000 lb.	44,150 lb.	36,050 lb.	25,500 lb.
SLNAEE7460	6 in.	30,600 lb.	24,450 lb.	61,200 lb.	61,200 lb.	53,000 lb.	43,250 lb.	30,600 lb.

	Synthetic web slings-American Standard(WSTDA) Class 7-4 Ply Slings						
	Type v						
		Endless					
		Hitch Types			Horizontal Angles		
	Sling Width	Vertical	Choker	Vertical Basket	60°	45°	30°
							
SLNAEW7410	1 in	11,000 lb.	8,800 lb.	22,000 lb.	19,050 lb.	15,550 lb.	11,000 lb.
SLNAEW7420	1½ in.	22,000 lb.	17,600lb.	44,000 lb.	38,100 lb.	31,100 lb.	22,000 lb.
SLNAEW7430	1¾ in.	32,900 lb.	26,300 lb.	65,800 lb.	56,950 lb.	46,500 lb.	32,900 lb.
SLNAEW7440	2 in.	40,800 lb.	32,600 lb.	81,600 lb.	70,650 lb.	57,700 lb.	40,800 lb.
SLNAEW7450	3 in.	51,000 lb.	40,800 lb.	102,000 lb.	88,300 lb.	72,100 lb.	51,000 lb.
SLNAEW7460	4 in.	61,200 lb.	48,950 lb.	122,400 lb.	106,000 lb.	86,550 lb.	61,200 lb.

Notes:
1) The rated capacities are based on struffer weave construction webbing with a miniumcertified tensile strength of 9,800 pounds per inch of webbing width.
2) Rated capacities for Type III, IV slings apply to both tapered and non-tapered eye constructions.Rated capacities for Type vslings are based on non-tapered webbing.
3) For Type VI slings and for other sling types, consult the manufacturer for rated capacities.

Note:
ALWAYS CHECK THE IDENTIFICATION TAG TO DETERMINE IF THE WEB SLING RATED CAPACITY IS APPROPRIATE FOR THE LIFT.

Notes for the tabels

1. The choker capacity for 1 and 2 ply slings shall be rated at a maximum of 80% of the vertical capacity, with an angle of choke ranging from 120 to 180 degrees.
2. Rated capacities for Type III and IV slings apply to both tapered and non-tapered eye constructions. Rated capacities for Type V slings are based on non-tapered webbing. Bunching of both tapered and non-typered eyes and/or webbing will reduce the rated capacity of the sling. Consult the manufacturer for slings not listed in these tables.
3. When attaching any hardware to a web sling, a sling protection pad should be used between the surface of the hardware and the synthetic web sling.

⚠ WARNING

Before using slings, users shall be properly trained. The use of slings by untrained personnel is potentially hazardous.

The following seven points briefly summarize some important safety issues. All sling users shall be trained in the following areas:

1. Sling Selection-Understand the limitations of each sling type and its associated components and materials.
2. Sling Inspection-Understand how to properly inspect slings, so damaged slings can immediately be removed from service.
3. Prevention of Sling Damage-Know how to prevent sling damage, including how to properly protect slings from being cut or damaged from direct contact with corners, edges, protrusions or abrasive surfaces.
4. Proper Use of Slings-Each sling user shall be competent in considering all risk factors prior to using a sling and be able to verify that each sling will not be loaded in excess of its rated capacity.
5. Remaining Alert When Lifting Loads-Whenever using slings, all personnel shall be trained to remain alert and stand clear of any lifted load or possible patch of danger in the event of sling failure.
6. Proper Storage of Slings- Users should know where to store slings in an environment where they will not become damaged by exposure to heat, chemicals, UV light degradation, environmental and/or mechanical damage.
7. Users should read, understan and follow the information contained in this publication, as well as all applicable provincial, state, federal, OSHA regulation and ASME B30 guidelines.

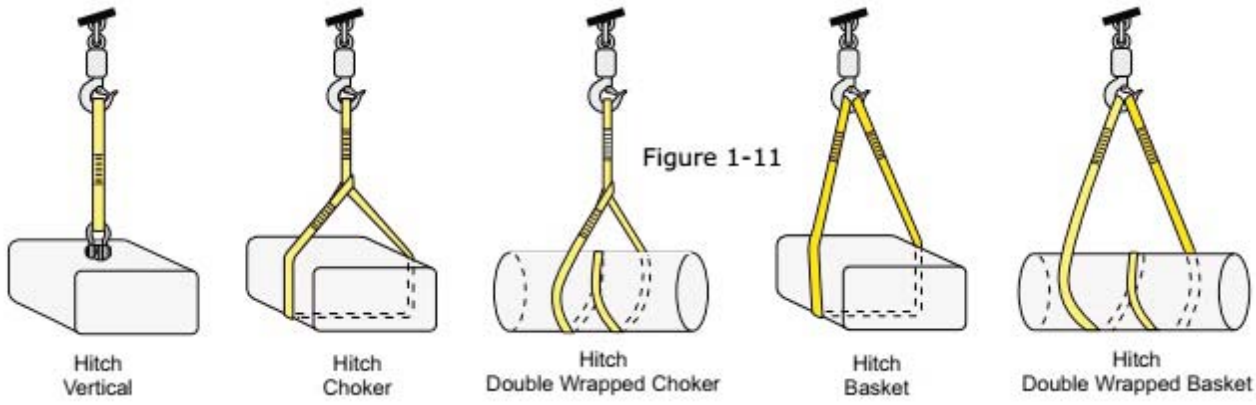
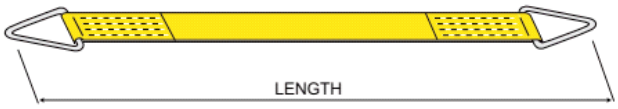
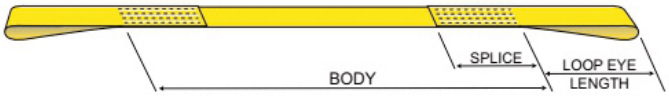


Figure 1-11

How to measure length:



How to measure loop eye:



Plies

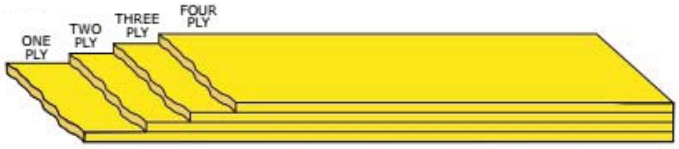


Figure 1-15

Suggested Eye Length		
Sling Web Width	One and Two Ply Slings	Three and Four Ply Slings
	Suggested Eye Length	Suggested Eye Length
1"	9"	12"
1-1/2"	9"	12"
1-3/4"	9"	12"
2"	12"	12"
3"	12"	18"
4"	14"	18"
5"	18"	24"
6"	24"	24"
8"	24"	24"
10"	24"	30"
12"	30"	36"