SYNTHETIC SLINGS

Synthetic Web Slings

Web Sling Types

Type 1 - TC (AL-1)

TRIANGLE CHOKER - Designed for use in choker, basket or vertical hitch. Available with forged Aluminum Alloy or flame cut Alloy Steel fittings.

Type 2 - TT (AL-2)

TRIANGLE TRIANGLE - Application is limited to basket or vertical hitch only. Triangle fittings cannot be used in choke hitch since they will not pass through one another. Available with forged Aluminum Alloy or flame cut Alloy Steel fittings.

Type 3 - EEF (AL-3)

FLAT EYE - The eye is formed by folding the webbing back and sewing it flat against the sling body. Available in single or multiple thickness. Slings in widths 3" and wider are furnished with tapered eyes as standard.

Type 4 - EET (AL-4)

TWISTED EYE - The eye is formed by turning the fabric 180° before sewing to form an eye which lays 90° to the sling body. This allows for easier choking. Slings in widths 3" and wider are furnished with tapered eyes as standard.

Type 5 - EN (AL 5)

ENDLESS - Fabric is overlapped and sewn to form an endless grommet. The most versatile of all slings. Used in vertical, basket or choker hitch it provides the best gripping and holding power around the object to be lifted in the upright position. It is also the easiest to use and lasts longer because there are no eyes to determine wearing points. Endless slings are furnished with "flat" ends and can be supplied tapered.

Type 6 - RE (AL-6)

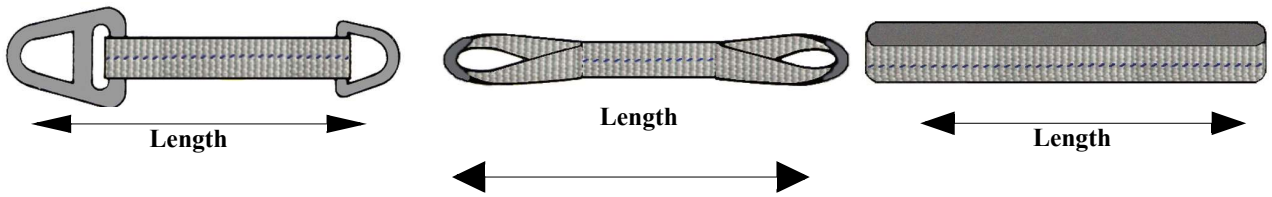
REVERSED EYE - Eye is formed by folding back the webbing and sewing it side by side. Designed primarily for use in choker hitch, although it lends itself equally well to basket and vertical hitch applications. This type of construction results in eye openings which are in the same plane as the sling body, and is best for choking. The sling body remains flat against the load.

Considerations When Ordering

Typical Sling Identification:

EET2904 X 10 Ft. Nylon Sling

Type	Plies	Grade	Available Width	Length
TC - Triangle Choker	Typically	6 - Safe-T-Grip® Light Duty	1" / 2" / 3"	
TT - Triangle Triangle	1- 4	7 - Tufskin® Light Duty	4" / 5" / 6"	
EEF - Eye & Eye Flat	Plies	9 - Mulox® Light Duty	8" / 10" / 12"	As Required in Feet
EET - Eye & Eye Twisted		13 - Tufskin® Heavy Duty		
EN - Endless				
RE - Reversed Eye				



Note

ALP routinely fabricates synthetic sling using polyester webbing. Please specify if nylon webbing is desire. Also, indicate the use of non-standard fitting or wear pads.

When ordering, specify any Non-Standard End Fittings or Optional Wear Pads.

Chemical Resistance of Web Materials:

Web Material	Acids	Alcohols	Aldehydes	Strong Alkalis	Bleach Agents	Dry Cleaning Solvents	Ethers	Halogenated Hydrocarbons	Hydrocarbons	Ketones	Crude Oils	Lubricant Oils	Soap & Detergents	Water & Seawater	Weak Alkalis
Nylon	No	Ok	Ok	Ok	No	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Ok
Polyester	*	Ok	No	**	Ok	Ok	No	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Ok
Disintegrated by concentrated sulfuric acid. * Good Resistance to weak and strong acids at room temperature. ** Degraded by strong alkalis at elevated temperatures.															

Standard Eye Length Specifications **

Sling Width	One Ply	Two Ply	Three Ply	Four Ply
1"	8-1/2"	8-1/2"	10"	10"
2"	10"	10"	12"	12"
3"	11"	11"	14"	14"
4"	12"	12"	16"	16"
5"	14"	14"	18"	18"
6"	16"	16"	18"	18"
8"	20"	20"	24"	24"
10"	24"	24"	24"	24"
12"	24"	24"	24"	24"
** Non-Standard Eye Lengths must be specified at the time of order.				

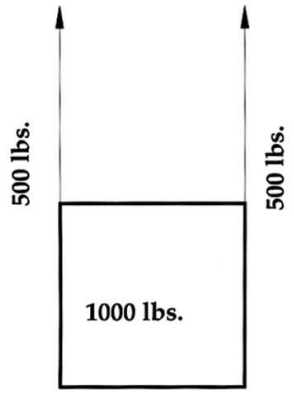
Caution

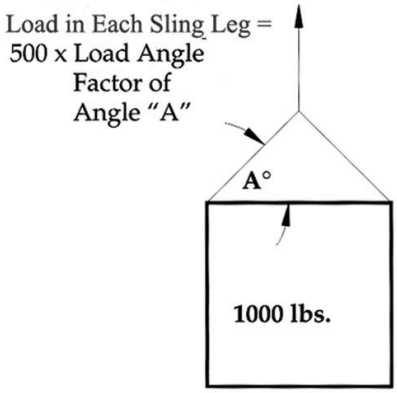
Aluminum Fittings are not recommended where sprays, mists, fumes, vapors or liquids of caustics are present.

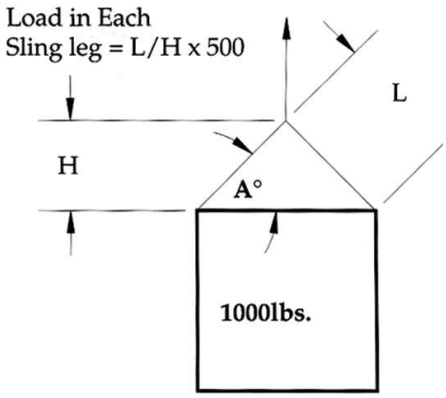
Effects of Sling Angle

Caution

Sling capacity decreases as the horizontal angle decreases. Sling angles of less than 30^0 are not recommended.







Sling Angle Degrees (A°)	Load Angle Factor = L / H
90	1.000
60	1.155
50	1.305
45	1.414
30	2.000
LOAD ON EACH LEG OF SLING = (Load ÷ 2) x LOAD ANGLE FACTOR	

ANSI B30.9 recommends against the use of a horizontal sling angle smaller than 30°.

Caution

Do Not Use Slings Beyond Rated Capacity.

OPTIONAL WEAR PADS

Sliding Sleeve wear pads protect both sides of the sling. It provides the opportunity to shift the sleeve to any area where the sling may come into contact with sharp edges.

Edgeguard is a strip of webbing sewn along the edges of the sling. This may be desired for certain applications where the edge of the sling is subject to damage.

Regular wear pads are additional layers of material sewn to the sling at the point of expected wear. This can be sewn to one or both sides and at any point of the sling and to any length. Regular wear material can be added to the wear area of the eyes.

Note

ALP has adopted rated capacities in accordance with ANSI B30.9 and the Web Sling & Tied Down Association, where applicable.