

ENVIRONMENTAL CONSIDERATIONS & OUTDOOR USE

Web Slings

Exposure to sunlight, and other environmental factors such as dirt or gritty matter and cyclical changes in temperature and humidity, can result in an accelerated deterioration of web slings. The rate of this deterioration varies with the level of exposure and with the thickness of the sling material.

Visible indication of such environmental deterioration can include the following:

- Fading of webbing color
- Uneven or disoriented surface yarn of the webbing
- Shortening of the sling length
- Reduction in elasticity of the sling due to exposure to sunlight, often evident by accelerated abrasive damage to the surface yarns of the sling
- Breakage or damage to yarn fibers, often evident by a fuzzy appearance of the web
- Stiffening of the web, evident when web slings are exposed to outdoor conditions

Anti-Abrasion Treatment

As a standard, *Lift-All* webbing is treated for abrasion. Natural, untreated webbing is available upon request.

Note: Heavy duty treatments are available as a supplemental process for greater protection.

Elasticity - The stretch characteristics of web slings depends on the type of yarn and the web finish. Approximate stretch at RATED SLING CAPACITY is:

NYLON		POLYESTER	
Treated	10%	Treated	7%
Untreated	6%	Untreated	3%

Prior to sling selection and use, review and understand the "Help" section.

Sling Length Tolerance for Web Slings

Sling Type	Tolerance *
1 Ply	± (1.5" + 1.5% of sling length)
2 Ply	± (2.0" + 2% of sling length)
3 & 4 Ply	± (3.0" + 3% of sling length)

* For web sling widths wider than 6", add 1/2" to these values. For tighter tolerance or matched set length requirements, please consult with Customer Service.

⚠ WARNING

Read Definition on page 3

Sunlight / UV Exposure Service Life

Nylon and polyester web slings possess a limited useful outdoor service life due to the degradation caused by exposure to sunlight, or other measurable sources of UV radiation.

Lift-All web slings that are regularly exposed to outdoor conditions should be identified with the date they are placed into service, and should be proof tested to twice their rated capacity every six months.

Lift-All nylon and polyester web slings shall be permanently removed from service when the cumulative outdoor exposure has reached these limits:

- 2 years for 1 ply and 2 ply web slings
- 3 years for 3 ply and 4 ply web slings

Temperature

Nylon and polyester are seriously degraded at temperatures above 200°F.

Chemical Environment Data

Many chemicals have an adverse effect on nylon and polyester. The Chemical chart below is a general guide only. For specific temperature, concentration and time factors, please consult *Lift-All* prior to purchasing or use.

CHEMICAL	OK / NO	
	NYLON	POLYESTER
Acids		*
Alcohols		
Aldehydes		
Alkalis		
Bleaching Agents		
Dry Cleaning Solvents		
Ethers		
Halogenated Hydro-Carbons		
Hydro-Carbons		
Ketones		
Oils Crude		
Oils Lubricating		
Soap & Detergents		
Water & Seawater		
Weak Alkalis		

* Disintegrated by concentrated sulfuric acid.