

# WEB SLING OPERATION GUIDELINES

Specialty Sling Company's slings are designed and rated to meet or exceed all O.S.H.A. and ANSI specifications with a design factor of 5 to 1. The design factor in the sling, however, **does not** allow the user to exceed the work load limit listed on each sling tag. Nylon slings should not be exposed to temperatures above 180 degrees F. If a sling comes in contact with temperatures above 180 degrees F., it should be removed from service immediately.

Slings will be permanently elongated and weakened by overloading beyond rated load capacity. Using sling at load rated capacity, the sling will return to its original length. Nylon slings are stable under exposure to many common chemicals. Nylon slings retain their strength in the presence of oil and grease. Normal cleaning solution with soap and water does not effect slings either. High-pressure washers are not recommended for cleaning slings. Excessive sunlight exposure will harm slings. Slings should be stored inside when not in use. Slings should always be inspected for wear and damage before each use. If there is any sign of wear or damage, slings should be removed from service to prevent failure of the product, which can cause equipment damage, bodily injury, or death.

## Nylon slings are not affected by these products:

ALCOHOL, ALDEHYDES, ALKALIS, ETHERS, OIL-CRUDE OR LUBRICATING, GREASE, SOAPS, DETERGENT, & WATER.

## Nylon slings are affected by these products and conditions:

ACID, BLEACHING AGENTS, & HIGH TEMPERATURES ABOVE 180 DEGREES F.

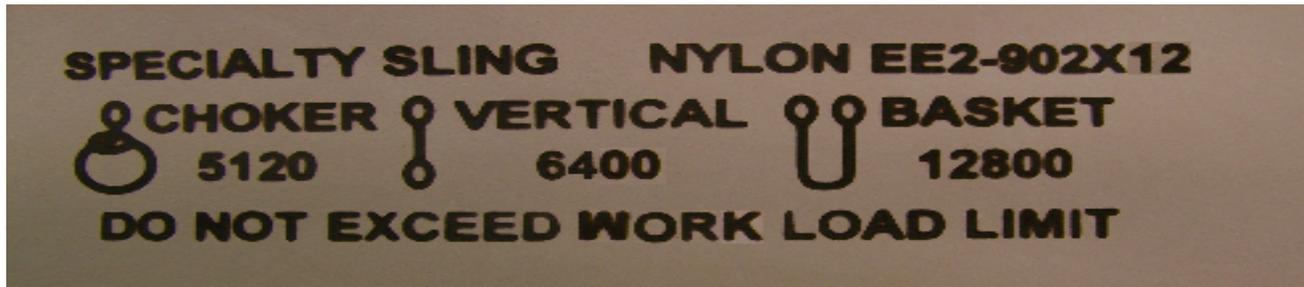
(These products and conditions should not be in contact with slings at any time.)

## WARNING:

Nylon slings should always be inspected before each use. Remove the product if there are any signs of defects in the product.

## TAGS:

We use leather tags on our slings. They are hot branded with all hitch symbols and weight capacities. Hot branded tags outlast ink-imprinted tags, as hot branding will not wear off.



## RED CORE WARNING:

Specialty Sling Company's slings have a red core warning yarn, which becomes visible when slings become worn, snagged, or cut. This exposure means the user **MUST** remove sling from service immediately. When nylon slings become to dirty to see the red core yarn, the slings must be removed from service if there are signs of wearing. Red core yarns are woven within 2 inches (width) of the nylon webbing.



# EXAMPLES OF WEAR & ABUSE

Far too many web slings have to be discarded prematurely as careless work habits cause damage. Listed below are examples of damage caused by misuse or abuse. Regardless of whether a web sling shows damage from misuse or from normal wear, the rule is that once the sling is deemed to be no longer usable, the sling eyes should be cut and the sling discarded.

**WHEN ANY OF THE FOLLOWING WEB SLING DAMAGES OCCUR, DISCARD THE SLING IMMEDIATELY !**

## TENSILE BREAK:

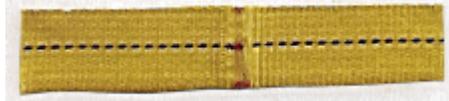
A tensile break is characterized by a frayed appearance at a point of failure of damage. Such damage is caused by overloading the web sling beyond its existing strength.

TENSILE BREAK



## CUTS:

A cut is identified by a clean break in the webbing structure or fibers. This usually results from the web sling contacting a sharp object or unprotected edge of a load. Red Guard warning yarns are visible.



CUT

## ABRASION DAMAGE:

The most common abrasion damage occurs when a sling slips while in contact with a load during a lift. Abrasion damage also occurs when the sling is pulled from under a load.

ABRASION DAMAGE



## ACID DAMAGE:

Nylon slings should never be exposed to ACID. Acid or caustic vapors destroy the integrity of the nylon fibers. If the nylon shows any signs of ACID damage, discard the sling immediately.

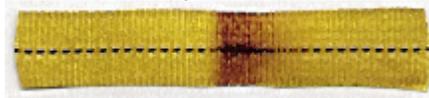


ACID DAMAGE

## HEAT DAMAGE:

Any web sling that is exposed to heat above 180 degrees F has lost its efficiency. Remove web sling from service immediately.

HEAT DAMAGE



## SNAGS & PUNCTURES:

When a sling comes in contact with sharp objects, it can snag or puncture the web sling. Due to the inability to determine the amount of sling loss in a safe weight capacity on this type of damage, remove the web sling from service immediately.



SNAGS & PUNCTURES