



[www.stren-flex.com](http://www.stren-flex.com)

 **SIMIAN<sup>®</sup> GT**



**Over Armor<sup>™</sup>**  
Superior Sling Protection

**FATBOY<sup>™</sup> FELT**



# **WARNING**

STREN-FLEX® assumes no responsibility for the misuse or misapplication of any of the products contained in this catalog. Products are provided with the express understanding that the purchaser and user are thoroughly familiar with the correct application and proper use of such products in rigging.

Failure to follow proper use and inspection criteria can result in personal injury or death.

## **To avoid injury:**

ALWAYS ensure users of any sling rigging products shall be trained in the proper use and care of such items.

ALWAYS determine weight of the load. The weight of the load shall be within the rated capacity of the sling.

ALWAYS select sling having suitable characteristics for the type of load, hitch and environment.

ALWAYS select a sling where the rated capacity is adequate when the angle of the legs (branches) is taken into consideration.

ALWAYS ensure that the choking action is on the webbing, and never on a fitting.

ALWAYS use a proper hitch that will provide control of the load.

ALWAYS balance the load when using a basket hitch to prevent slippage.

ALWAYS ensure the opening in fittings is the proper size and shape so it will seat properly in the hook or other attachments.

ALWAYS center the load in the base (bowl) of the hook to prevent point or tip loading the hook.

Synthetic slings will fail if damaged, abused, misused, overused, or improperly maintained.

## **To avoid injury:**

NEVER use a sling unless you are familiar with OSHA and ANSI/ ASME guidelines and have been trained in the proper use of slings and related rigging products.

NEVER use a sling that appears to be damaged.

NEVER load a sling in excess of the rated capacity. Consideration shall be given to the sling load angle which affects rated capacity.

NEVER shock a load.

NEVER twist or kink the legs (branches) of a sling.

NEVER tie a sling in knots or join multiple slings by knotting.

NEVER drag a sling on the floor or over an abrasive surface.

NEVER pull slings from under loads if the load is resting on the sling.

NEVER drop slings equipped with metal fittings.

NEVER allow personnel, or portions of the human body, between the sling and either the load or lifting hook.

NEVER allow personnel to ride a sling.

Improper care of slings can result in loss of load, personal injury or death.



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## **SLING SELECTION TIPS**

- Know the weight of the load and other important characteristics such as center of gravity, etc.
- Understand the environmental hazards that may exist and select a sling that is suitable for that environment.
- Determine the rigging style for the lift. The user must consider such factors as hitch type, lift angles (sling to load), choker hitch angle, and other such factors to determine the minimum sling capacity required.
- Consider the effects of load edges, lifting pins (such as shackles) and other such stress risers. These may reduce the allowable Working Load Limit (WLL) of the sling.

With all environmental and load considerations evaluated, select a sling that has sufficient capacity or working load limit to safely lift the load.

## **RIGGING STYLES**

There are three types of rigging styles: vertical, choker and basket. Each style has a unique working load limit with basket ratings the greatest and choker ratings the lowest. Choker ratings can be a maximum of 80% of the vertical rating per ANSI/ASME guidelines. Most slings can be used in all three configurations, although some sling types are designed specifically for one rigging style. Please consult the load rating on the sling tag for load ratings specific to the sling you are using. **DO NOT USE** a sling with an illegible tag.

## **ENVIRONMENTAL CONSIDERATIONS**

### **STORAGE**

Synthetic slings should be stored in a cool, dry and dark place to prevent damage (chemical or mechanical) when not in use. Webbing will shrink up to 5% over time (even without use) due to the characteristics of the webbing. Other factors that affect shrinkage are humidity, temperature and usage.

### **ULTRAVIOLET (UV) LIGHT**

Both nylon and polyester synthetic slings lose strength when exposed to ultraviolet light. The rate and severity of strength loss depends on many factors such as total exposure time, construction and design of the sling and atmospheric conditions among others. It is the responsibility of the sling user to consider UV light degradation when evaluating a synthetic sling for safe use. Nylon webbing can experience up to 60% material strength loss after UV exposure of only 12 months and will continue to lose strength as exposure time increases. Polyester webbing will experience more rapid material strength loss generally settles at approximately 30%. Visual indications of UV damage are bleached color and stiffening of the material as well as surface abrasion in areas not normally in contact with load. Slings used in areas subject to high exposure to UV light should be inspected at more frequent intervals and replaced when UV degradation is noted.

### **MATERIAL DAMAGE**

Care must be taken to prevent foreign materials (such as metal, dust, splinters, grit, weld splatter or other metal objects) from damaging the sling while in use or in storage. Such objects can damage the sling webbing and cause severe strength loss.

### **TEMPERATURE**

Synthetic (nylon and polyester) slings shall not be used in temperatures above 194°F (90°C). Severe degradation of nylon and polyester material can occur at temperatures above 194°F (90°C). Nylon and polyester slings may be used in temperatures as low as -40°F (-40°C). It is the responsibility of the user to consider the proper application and use of synthetic slings outside the above temperature range.

### **CHEMICAL RESISTANCE**

Chemically active environments can affect the strength of synthetic slings. This can include complete degradation of the synthetic material. The following information on chemical properties of nylon and polyester is a guide. If a synthetic sling is to be used in any type of chemical environment, it is the explicit responsibility of the sling user to consider all risk factors, including consultation with the sling manufacturer, to select the proper sling for use in any chemically active environment.

### **SALTWATER**

Slings exposed to saltwater should be rinsed thoroughly and allowed to dry naturally (away from direct UV light).



# Effects of Angles on Lifting

## EFFECTS OF ANGLES ON SLING CAPACITY

When determining the effects of angles on sling capacity, it is the responsibility of the sling user to consider all factors in the selection of the proper sling for the lift. This includes the lift angle, choker angle and any other angles that would reduce the rated capacity of the sling.

### LIFT ANGLES

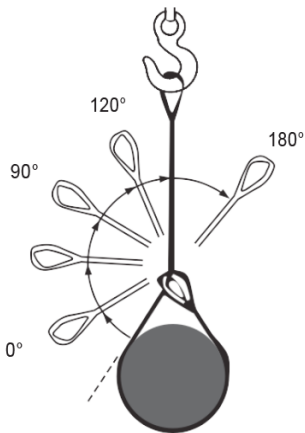
Failure to properly understand the effects of using slings at an angle can cause serious injury or death. As the angle of the sling decreases from vertical (90°), the tension on each sling leg increases. Maximum capacity of the sling is when it is used in a vertical (90°) application. As the angle decreases, the allowable capacity decreases. Lifts where the sling angle is less than 30° from horizontal are not recommended.

To determine the reduced load rating of a sling used at an angle, multiply the sling's rated capacity for the hitch that is being used times the reduction factor (RF) for that angle (see Table 1). The reduction factor can also be found by dividing the sling height by the sling length.

### Reduced Load Rating + RF x Rated Capacity

To determine the required minimum sling load rating (for a load at a given angle, multiply the load weight times the tension factor (TF) for that angle (see Table 1).

**Required Rating = TF x Load Weight**



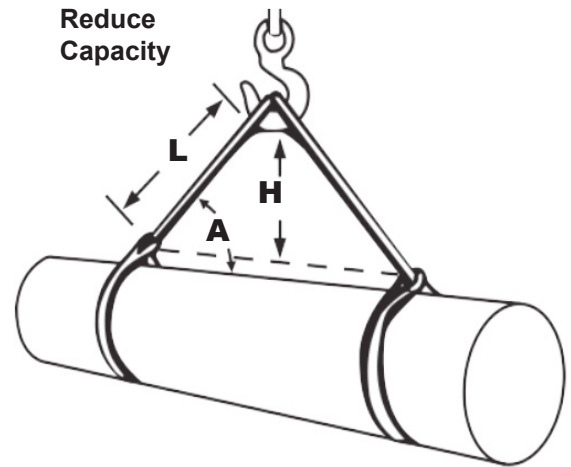
**TABLE 2:  
Choker Hitch Angle**

ANGLE OF CHOKE	FACTOR
over 120°	1
90° – 120°	.87
60° – 69°	.74
30° – 59°	.62
0° – 29°	.49

Sling capacity decreases as choke angle decreases.

### CHOKER HITCH ANGLES

When using a choker hitch, the rigging often results in a severe bend of the sling body around the choker eye. In cases where the choker angle is less than 120° (see Table 2.), load rating must be reduced by multiplying the standard choker rating times the corresponding factor for the choker angle to give a new reduced load rating.



**TABLE 1: Effect of Angle**

REDUCTION FACTOR (RF)	ANGLE FROM HORIZONTAL (A)	TENSION FACTOR (TF)
1	90°	1
.996	85°	1.004
.985	80°	1.015
.966	75°	1.035
.940	70°	1.064
.906	65°	1.104
.866	60°	1.155
.819	55°	1.221
.766	50°	1.305
.707	45°	1.414
.643	40°	1.555
.574	35°	1.742
.500	30°	2

Sling capacity decreases as the angle from horizontal decreases. Sling angles are less than 30° are not recommended.



# **OSHA & ASME/ANSI REFERENCE**

## **Quick Reference Guide**

### **OSHA 1910.184 - SLINGS**

<http://www.stren-flex.com/pages/OSHA-requirements>

When using a sling, the user shall observe the following:

- Damaged slings shall not be used.
- Slings shall not be loaded in excess of their rated capacities.
- Slings shall be securely attached to the load.
- Slings shall be padded or protected from the sharp edges of their loads.
- Slings shall not be shortened with knots, bolts or other makeshift devices.
- Sling legs shall not be kinked.
- Slings used in a basket hitch shall have the loads balanced to prevent slippage.
- Suspended loads shall be kept clear of all obstructions.
- Employees shall be kept clear of all loads.
- Hands or fingers shall not be placed between the sling and its load while the sling is being tightened around the load.
- Shock loading is prohibited.
- Slings shall not be pulled from under a load when the load is resting on the sling.

### **ASME B30.9 – SYNTHETIC WEB SLINGS & ROUND SLINGS**


Users shall be trained in the proper selection, inspection and use of synthetic slings, including the following:

- Slings shall be permanently marked to show: name of the manufacturer, code or stock number, rated loads for the type of hitches used, type of synthetic web material and number of legs (if more than one).
- Rated load of the sling shall not be exceeded.
- Horizontal angles less than 30 degrees shall not be used unless approved.
- Polyester and nylon slings shall not be used at temperatures in excess of 194°F (90°C) or below -40°F (-40°C).
- Slings can be degraded in certain types of chemical environments and by sunlight or ultraviolet light. Consult the manufacturer or qualified person regarding usage and care in these conditions.
- Personnel shall be kept from between the sling and the load, never stand in line with a sling under tension, never stand or pass under a suspended load or ride a sling.
- Slings shall be repaired only by a sling manufacturer or qualified person and shall be marked by the repairing agency.
- Repaired slings shall be proof tested before initial use.
- Periodic inspections shall be conducted at least annually, with documentation that it was performed.

### **Effects of “Minor” Damage on Sling Capacity**

Damage to sling webbing, however small, reduces the capacity of the sling. For example, an edge cut as small as 1/4” can reduce the capacity of a 2” wide sling by up to 50%. Similarly, web cuts that do not expose the red warning threads can reduce the capacity by up to 50%.

Visible damage to a synthetic sling, regardless of how minor, results in strength loss. All damaged synthetic slings shall be immediately removed from service.

 **NOTES:** Legal standard pertaining to slings and below the hook devices are specifically and literally enforced by OSHA when the standard has a penalty attached. On most occasions the law uses the word “shall” in the reference. Sometimes the word “should” is used in the place of “shall”. The word “shall” requires compliance with the action or inaction required. The word “should” only recommends compliance. Failure to perform an action directed by the word “shall” does give rise to the definite possibility of a legal penalty, and is a violation of the law.



# Inspection Reference

## Inspection Requirements

Each day (or shift) before being used, a competent person designated by the employer shall:

- Perform a visual inspection of the sling and all fastenings or attachments.
- Check the tag to verify the rated capacity is adequate for the lift.
- Inspect webbing or cover for evidence of damage such as holes, tears, cuts or snags.
- Inspect hardware for evidence of wear or damage.

**Immediately remove damaged or defective slings from service. DO NOT USE worn or damage slings.**

## Synthetic Web Sling Removal Criteria

Web slings shall be removed from service if any of the following are present:

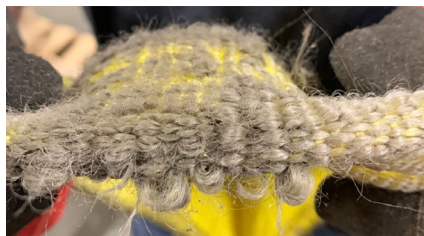
1. Missing or illegible tag
2. Acid or caustic burns
3. Melting or charring of any part of the sling
4. Holes, tears, cuts or snags
5. Broken or worn stitching in load bearing splices
6. Excessive abrasive wear
7. Knots in any part of the sling
8. Discoloration and brittle or stiff areas on any part of the sling
9. Fittings that are pitted, corroded, cracked, bent, twisted, gouged or broken
10. Hooks or other hardware that are worn or damaged
11. Any other conditions, including visible damage, that cause doubt as to the continued use of the sling

## Examples of Synthetic Sling Damage

Visible damage to a synthetic sling, regardless of how minor, results in strength loss. Damaged synthetic slings shall be immediately removed from service.



Cuts



Wear



Abrasion



Illegible Tag



Weld Spatter



Knots



Heat Damage



# Inspection Reference

## Synthetic Roundsling Removal Criteria

Roundslings shall be removed from service if any of the following are present:

1. Missing or illegible tag
2. Acid or caustic burns
3. Evidence of heat damage
4. Holes, tears, cuts or snags that expose the core yarns
5. Broken or damaged core yarns
6. Weld splatter that exposes core yarns
7. Knots in the roundsling, except for core yarns, inside the cover
8. Fittings that are pitted, corroded, cracked, bent, twisted, gouged or broken
9. Hooks or other hardware that are worn or damaged
10. Any other conditions, including visible damage, that cause doubt as to the continued use of the sling

## Examples of Synthetic Roundsling Damage

Damaged Synthetic Roundslings shall be immediately removed from Service.



**Knots**



**Exposed Core Yarns**



**Illegible Tag**



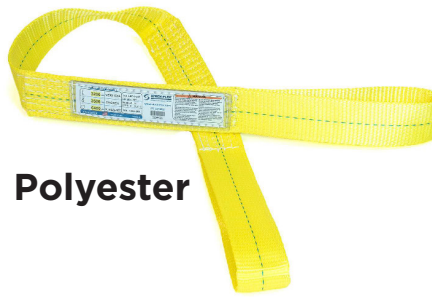
# Application Tips and Information

## Sling Material

Synthetic Slings are made of nylon or polyester to suit various applications. When choosing a material, STREN-FLEX® recommends considering a material's resistance to specific chemical, temperature, and the material's stretch factor. STREN-FLEX® offers a variety of sizes and styles of synthetic web slings in nylon or polyester to fit a multitude of rigging applications.



**Nylon**



**Polyester**



**HI VIZ  
Polyester**

Nylon and Polyester yarn has different stretch characteristics. The treatment applied when the material is woven also affects stretch. Chemicals react differently to each type of material. The charts below are general guides only. Please contact Stren-Flex directly for specific application uses.

## CHEMICAL PROPERTIES NYLON VS POLYESTER

CHARACTERISTICS	NYLON	POLYESTER
Use	General Purpose	General Purpose
Max Temperature	194°F	194°F
Stretch Factor at Rated Load	10% Treated, 6% Untreated	7% Treated, 3% Untreated
Cost	Same	Same
Most Acids	NO	*
Alcohol	OK	OK
Aldehydes	OK	NO
Strong Alkalines	OK	**
Bleaching Agents	NO	OK
Dry Solvents	OK	OK
Ethers	OK	NO
Halogenated Hydrocarbons	OK	NO
Hydrocarbons	OK	NO
Ketones	OK	NO
Oil Crude	OK	NO
Oil Lubricating	OK	NO
Soaps/Detergents	OK	NO
Water, Seawater	OK	NO
Weak Alkalines	OK	NO
* Disintegrated by concentrated sulphuric acid.		
** Degraded by strong alkalies at elevated temperatures		

## TOLERANCES FOR WEB SLINGS

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

Web widths greater than 6" require an additional 1/2" to be added to these values.

Due to manufacturing complexities "Matched sets" must be requested at the

## IDENTIFICATION NYLON VS. POLYESTER



**Nylon -  
No Marking**



**Poly - Blue Dotted  
Line Down Center**

**NOTE:** Polyester and HIGH VIZ Polyester have the same chemical properties.



OSHA recommends the use of sling protection when lifting objects with a sharp edge. STREN-FLEX® abrasion resistant sleeves and body wraps provide sling protection in applications with mild to severe abrasive and cut prone conditions.



3 Types: Sewn-In Edge Protection \* Sewn-On Protection \* Sleeve Protection

**Sewn-In Edge Protection** – Abrasion resistant fibers are woven into the edges of the webbing to guard against edge cuts and edge wear. For use as an alternative to standard heavy duty webbing. See pages 14-17 for ordering information.

<b>PGE=GORILLA-EDGE™</b> Polyester Webbing with Edge Protection		
<b>ME=Monster Edge®</b> Nylon Webbing with Edge Protection		

**Sewn-On Protection** – GORILLA-GUARD™ with SIMIAN® abrasion control sewn on the eyes, body or entire sling for maximum protection! Raised herringbone weave structure increases abrasion performance! Lasts over 3 times longer than standard roundsling sleeve in an independent Hexbar abrasion test! See page 10 for ordering information.

<b>CE=Covered Eye</b> GORILLA-GUARD™ protection sewn to cover the eyes of the sling.		<p><b>*New &amp; Improved*</b> GORILLA-GUARD™ with SIMIAN® Technology!</p>
<b>CB=Covered Body</b> GORILLA-GUARD™ protection sewn to cover the body of the sling.		
<b>CW=Completely Wrapped</b> GORILLA-GUARD™ protection sewn to cover the entire sling.		



**Sleeve Protection** – Sling protection that can be added to any part of the sling to provide the ultimate in point of contact wear protection.







## Standard Duty

<b>Web Buffer Sliding Sleeve</b> - Sliding sleeve made from standard webbing Most economical sling protection against minor abrasion and sharp edges <b>GOOD</b>	
<b>Web Buffer Flat Velcro Quick Sleeve</b> - Standard webbing sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from flat web slings <b>GOOD</b>	
<b>Web Buffer Tubular Velcro Quick Sleeve</b> - Standard webbing sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from ropes and roundslings <b>GOOD</b>	
<b>GORILLA-GUARD™ Sliding Sleeve</b> - Patent pending seamless sleeve with superior abrasion control technology <b>BETTER</b>	
<b>GORILLA-GUARD™ Flat Velcro Quick Sleeve</b> - Abrasion control sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from flat web slings <b>BETTER</b>	
<b>GORILLA-GUARD™ Tubular Velcro Quick Sleeve</b> - Abrasion control sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from ropes and roundslings <b>BETTER</b>	





## Heavy Duty

<p><b>FATBOY™ Felt Sleeve</b> - Extra thick durable felt material for ultimate protection when lifting heavy objects with sharp edges <b>GOOD</b> against cutting</p>	
<p><b>FATBOY™ Felt Flat Velcro Quick Sleeve</b> - Sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from flat web slings <b>GOOD</b> against cutting</p>	
<p><b>Over Armor™ Sliding Sleeve</b> - sleeve made with high performance fibers. Superior cutting and abrasion protection... 5mm thickness <b>BETTER</b> against abrasion and cutting</p>	
<p><b>Over Armor™ Flat Velcro Quick Sleeve</b> - High performance Sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from flat web slings... 5mm thickness <b>BETTER</b> against abrasion and cutting</p>	
<p><b>Over Armor™ Tubular Velcro Quick Sleeve</b> - High performance Sleeve with Velcro sewn down one side of cover for quick and easy attachment to and removal from ropes and roundslings... 5mm thickness <b>BETTER</b> against abrasion and cutting</p>	



## CE - Covered Eye



- \* More abrasion resistant than texturized nylons like Cordura™
- \* Added Treatment repels oil, dirt and water

## CB - Covered Body



### Sling Protection Sewn-On:

**CE = Covered Eye**

**CB = Covered Body**

**CW = Completely Wrapped**

## CW - Completely Wrapped



GORILLA-GUARD™ Covered Eyes Part# Nylon	GORILLA-GUARD™ Covered Body Part# Nylon	GORILLA-GUARD™ Completely Wrapped Part# Nylon	GORILLA-GUARD™ Covered Eyes Part# Poly	GORILLA-GUARD™ Covered Body Part# Poly	GORILLA-GUARD™ Completely Wrapped Part# Poly	Web Width (in.)	Ply	Rated Capacity in Lbs.		
								Vertical	Choker	Basket
EE*-1-901CE-**	EE*-1-901CB-**	EE*-1-901CW-**	EE*-1-901PCE-**	EE*-1-901PCB-**	EE*-1-901PCW-**	1"	1	1,600	1,200	3,200
EE*-2-901CE-**	EE*-2-901CB-**	EE*-2-901CW-**	EE*-2-901PCE-**	EE*-2-901PCB-**	EE*-2-901PCW-**		2	3,200	2,500	6,400
EE*-3-901CE-**	EE*-3-901CB-**	EE*-3-901CW-**	EE*-3-901PCE-**	EE*-3-901PCB-**	EE*-3-901PCW-**		3	4,100	3,300	8,200
EE*-4-901CE-**	EE*-4-901CB-**	EE*-4-901CW-**	EE*-4-901PCE-**	EE*-4-901PCB-**	EE*-4-901PCW-**		4	5,500	4,400	11,000
EE*-1-902CE-**	EE*-1-902CB-**	EE*-1-902CW-**	EE*-1-902PCE-**	EE*-1-902PCB-**	EE*-1-902PCW-**	2"	1	3,200	2,500	6,400
EE*-2-902CE-**	EE*-2-902CB-**	EE*-2-902CW-**	EE*-2-902PCE-**	EE*-2-902PCB-**	EE*-2-902PCW-**		2	6,400	5,000	12,800
EE*-3-902CE-**	EE*-3-902CB-**	EE*-3-902CW-**	EE*-3-902PCE-**	EE*-3-902PCB-**	EE*-3-902PCW-**		3	8,200	6,600	16,500
EE*-4-902CE-**	EE*-4-902CB-**	EE*-4-902CW-**	EE*-4-902PCE-**	EE*-4-902PCB-**	EE*-4-902PCW-**		4	11,000	8,800	22,000
EE*-1-903CE-**	EE*-1-903CB-**	EE*-1-903CW-**	EE*-1-903PCE-**	EE*-1-903PCB-**	EE*-1-903PCW-**	3"	1	4,800	3,800	9,600
EE*-2-903CE-**	EE*-2-903CB-**	EE*-2-903CW-**	EE*-2-903PCE-**	EE*-2-903PCB-**	EE*-2-903PCW-**		2	8,900	7,200	17,800
EE*-3-903CE-**	EE*-3-903CB-**	EE*-3-903CW-**	EE*-3-903PCE-**	EE*-3-903PCB-**	EE*-3-903PCW-**		3	12,300	9,900	24,600
EE*-4-903CE-**	EE*-4-903CB-**	EE*-4-903CW-**	EE*-4-903PCE-**	EE*-4-903PCB-**	EE*-4-903PCW-**		4	16,400	13,120	32,800
EE*-1-904CE-**	EE*-1-904CB-**	EE*-1-904CW-**	EE*-1-904PCE-**	EE*-1-904PCB-**	EE*-1-904PCW-**	4"	1	6,400	5,000	12,800
EE*-2-904CE-**	EE*-2-904CB-**	EE*-2-904CW-**	EE*-2-904PCE-**	EE*-2-904PCB-**	EE*-2-904PCW-**		2	11,500	9,200	23,000
EE*-3-904CE-**	EE*-3-904CB-**	EE*-3-904CW-**	EE*-3-904PCE-**	EE*-3-904PCB-**	EE*-3-904PCW-**		3	15,300	12,200	30,600
EE*-4-904CE-**	EE*-4-904CB-**	EE*-4-904CW-**	EE*-4-904PCE-**	EE*-4-904PCB-**	EE*-4-904PCW-**		4	20,400	16,320	40,800
EE*-1-906CE-**	EE*-1-906CB-**	EE*-1-906CW-**	EE*-1-906PCE-**	EE*-1-906PCB-**	EE*-1-906PCW-**	6"	1	9,600	7,600	19,200
EE*-2-906CE-**	EE*-2-906CB-**	EE*-2-906CW-**	EE*-2-906PCE-**	EE*-2-906PCB-**	EE*-2-906PCW-**		2	16,500	13,200	33,000
EE*-3-906CE-**	EE*-3-906CB-**	EE*-3-906CW-**	EE*-3-906PCE-**	EE*-3-906PCB-**	EE*-3-906PCW-**		3	23,000	18,400	46,000
EE*-4-906CE-**	EE*-4-906CB-**	EE*-4-906CW-**	EE*-4-906PCE-**	EE*-4-906PCB-**	EE*-4-906PCW-**		4	30,600	24,480	61,200

\*Enter "F" for Flat Eye or "T" for Twisted Eye when ordering.

\*\*Enter the length required when ordering ie... 3 foot would be "03".





Web Buffer Flat Sewn Sleeve



Over Armor™ Flat Sleeve

Flat Sewn Sleeves						
Web Buffer	GORILLA-GUARD™	FATBOY™	Over Armor™	Sleeve Width	Web Sling Size 1 & 2 Ply	Web Sling Size 3 & 4 Ply
-	GGSS25**	-	OASS25**	2-1/2"	1"	-
WBSS03**	-	FBSS03**	-	3"	1"	-
-	GGSS35**	-	OASS35**	3-1/2"	2"	1"
WBSS04**	-	FBSS04**	-	4"	2"	1"
-	GGSS45**	-	OASS45**	4-1/2"	3"	2"
-	-	-	OASS55**	5-1/2"	4"	3"
WBSS06**	-	FBSS06**	-	6"	3"	2"
WBSS06**	-	FBSS06**	-	6"	4"	3"
-	GGSS65**	-	-	6-1/4"	4"	4"
-	GGSS65**	-	-	6-1/4"	6"	-
-	-	-	OASS07**	7"	6"	-
WBSS08**	-	FBSS08**	-	8"	6"	-
-	GGSS85**	-	-	8-1/2"	6"	6"
-	-	-	OASS09**	9"	-	6"
WBSS10**	-	FBSS10**	-	10"	-	6"

\*\*Enter the length required when ordering ie... 1 foot would be "01" (WBSS0301).



Web Buffer Flat Velcro Quick Sleeve



FATBOY™ Felt Flat Velcro Quick Sleeve

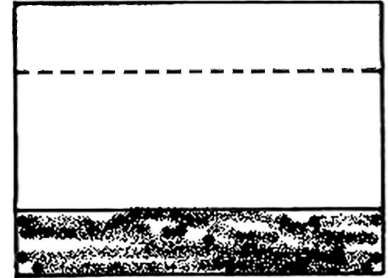
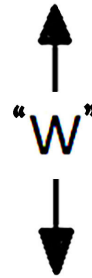
Flat Velcro Quick Sleeves						
Web Buffer	GORILLA-GUARD™	FATBOY™	Over Armor™	Sleeve Width	Web Sling Size 1 & 2 Ply	Web Sling Size 3 & 4 Ply
-	GGQS35**	-	OAQS35**	3 1/2"	1"	-
WBQS03**	-	FBQS03**	-	3"	1"	-
WBQS04**	-	FBQS04**	-	4	2"	1"
-	GGQS45**	-	OAQS45**	4 1/2"	2"	1"
-	GGQS55**	-	OAQS55**	5 1/2"	3"	2"
WBQS06**	-	FBQS06**	-	6"	3"	2"
WBQS06**	-	FBQS06**	-	6"	4"	3"
-	GGQS65**	-	-	6 1/4"	4"	3"
-	-	-	OAQS07**	7	4"	3"
WBQS08**	GGQS08**	FBQS08**	-	8"	6"	4"
-	-	-	OAQS09**	9"	6"	4"
WBQS10**	GGQS10**	FBQS10**	-	10"	-	6"
-	-	-	OAQS11**	11"	-	6"

\*\*Enter the length required when ordering ie... 1 foot would be "01" (WBQS0301).





GORILLA-GUARD™ Tubular Quick Sleeve



Open Sleeve Width

## Tubular Velcro Quick Sleeves

Tubular Quick Sleeves										
Web Buffer	GORILLA-GUARD™	Over Armor™	Sleeve Width (W)	Synthetic Rope (in.)	Wire Rope Sling Dia. (in.)	Chain Sling Size (in.)	SIMIAN® GT 1 Leg Only EN	SIMIAN® GT Both Legs EE	SIMIAN® Ultra 1 Leg Only	SIMIAN® Ultra Both Legs EE
WBTQS03**	GGTQS35**	OATQS35**	3"	1/4"-1/2"	1/4"-1/2"	-	-	-	-	-
WBTQS04**	GGTQS45**	OATQS45**	4"	9/16"-7/8"	9/16"-7/8"	-	-	-	-	-
WBTQS05**	GGTQS55**	OATQS55**	5"	1"	1"	-	-	-	-	-
WBTQS06**	GGTQS65**	OATQS65**	6"	1-1/4"	1-1/4"	7/32"	ERSST1 - ERSST2	-	10K-20K	-
WBTQS08**	GGTQS08**	OATQS08**	8"	1-1/2" - 2"	1-1/2" - 2"	9/32" - 3/8"	ERSST3 - ERSST5	ERSST1 - ERSST2	30K	-
WBTQS10**	GGTQS10**	OATQS10**	10"	-	-	1/2" - 5/8"	ERSST6 - ERSST7	ERSST3 - ERSST4	40K-50K	10K
WBTQS12**	GGTQS12**	OATQS12**	12"	-	-	3/4"	ERSST8	ERSST5 - ERSST6	60K-80K	20K - 30K
WBTQS14**	GGTQS14**	OATQS14**	14"	-	-	7/8" - 1"	-	ERSST7	90K-120K	40K - 50K
WBTQS16**	GGTQS16**	OATQS16**	16"	-	-	1" - 1/4"	-	ERSST8	130K-150K	60K - 80K
WBTQS18**	GGTQS18**	OATQS18**	18"	-	-	-	-	-	160K-180K	90K - 100K
WBTQS20**	GGTQS20**	OATQS20**	20"	-	-	-	-	-	190K	120K
WBTQS22**	GGTQS22**	OATQS22**	22"	-	-	-	-	-	200K	130K - 150K

\*\*Enter the length required when ordering ie... 1 foot would be "01" (WBTQS0301).



OATQS08-02

Over Armor™  
Tubular Quick Sleeve






WBTQS0402

Web Buffer Tubular  
Quick Sleeve



## WEB SLING MATERIAL

<b>N = Nylon</b> - Heavy Duty Class 7 webbing with nylon characteristics	
<b>P = Polyester</b> - Heavy Duty Class 7 webbing with polyester characteristics	
<b>HVP = High Viz Polyester</b> - Heavy Duty 9,800 webbing with polyester characteristics and dyed with a highly visible fluorescent yellow dye	

## WEB SLING TYPES

<b>TC = Triangle Choker</b> - Small triangle fits through slot in large triangle for best choker hitch	
<b>TT = Triangle Triangle</b> - Steel fittings allow for maximum protection and durability in lifting eyes	
<b>EEF = Eye &amp; Eye Flat</b> - Eyes lay flat for easy use in a vertical or basket hitch	
<b>EET = Eye &amp; Eye Twisted</b> - Eyes lay open for easy use in a choker hitch	
<b>EN = Endless</b> - Endless configuration allows user to change wear points when lifting, extending the life of the sling	
<b>RE = Reverse Eye</b> - Open eyed sling for optimal choker hitch as well as built-in abrasion control	
<b>LB = Light Basket</b> - Light duty wide body sling with attached eyes. Can be built up to 48" wide for exceptional load control	
<b>WB = Wide Basket</b> - Heavy Duty wide body sling. Can be built up to 24" wide for exceptional load control	



## TC = Triangle Choker

Standard options		Sling Protection Sewn-In Options:
N = Nylon		ME = Monster Edge®
P = Polyester		PGE = GORILLA-EDGE™
PHV = High Viz Polyester		


Part# Nylon	Part# Poly	Part# Hi Viz Poly	Part# Monster Edge	Part# Gorilla- Edge™ (PGE)	Web Width (in.)	Ply	Rated Capacity in Lbs.		
							Vertical	Choker	Basket
TC1-902-**-	TC1-902P-**-	TC1-902PHV-**-	TC1-902ME-**-	TC1-902PGE-**-	2"	1	3,200	2,500	6,400
TC2-902-**-	TC2-902P-**-	TC2-902PHV-**-	TC2-902ME-**-	TC2-902PGE-**-		2	6,400	5,000	12,800
TC3-902-**-	TC3-902P-**-	TC3-902PHV-**-	TC3-902ME-**-	TC3-902PGE-**-		3	8,200	6,600	16,500
TC4-902-**-	TC4-902P-**-	TC4-902PHV-**-	TC4-902ME-**-	TC4-902PGE-**-		4	11,000	8,800	22,000
TC1-903-**-	TC1-903P-**-	TC1-903PHV-**-	TC1-903ME-**-	TC1-903PGE-**-	3"	1	4,800	3,800	9,600
TC2-903-**-	TC2-903P-**-	TC2-903PHV-**-	TC2-903ME-**-	TC2-903PGE-**-		2	8,900	7,200	17,800
TC3-903-**-	TC3-903P-**-	TC3-903PHV-**-	TC3-903ME-**-	TC3-903PGE-**-		3	12,300	9,900	24,600
TC4-903-**-	TC4-903P-**-	TC4-903PHV-**-	TC4-903ME-**-	TC4-903PGE-**-		4	16,400	13,120	32,800
TC1-904-**-	TC1-904P-**-	TC1-904PHV-**-	TC1-904ME-**-	TC1-904PGE-**-	4"	1	6,400	5,000	12,800
TC2-904-**-	TC2-904P-**-	TC2-904PHV-**-	TC2-904ME-**-	TC2-904PGE-**-		2	11,500	9,200	23,000
TC3-904-**-	TC3-904P-**-	TC3-904PHV-**-	TC3-904ME-**-	TC3-904PGE-**-		3	15,300	12,200	30,600
TC4-904-**-	TC4-904P-**-	TC4-904PHV-**-	TC4-904ME-**-	TC4-904PGE-**-		4	20,400	16,320	40,800
TC1-906-**-	TC1-906P-**-	-	TC1-906ME-**-	TC1-906PGE-**-	6"	1	9,600	7,600	19,200
TC2-906-**-	TC2-906P-**-	-	TC2-906ME-**-	TC2-906PGE-**-		2	16,500	13,200	33,000
TC3-906-**-	TC3-906P-**-	-	TC3-906ME-**-	TC3-906PGE-**-		3	23,000	18,400	46,000
TC4-906-**-	TC4-906P-**-	-	TC4-906ME-**-	TC4-906PGE-**-		4	30,600	24,480	61,200
TC1-908-**-	TC1-908P-**-	-	-	-	8"	1	12,800	10,000	25,600
TC2-908-**-	TC2-908P-**-	-	-	-		2	22,800	18,000	45,600
TC3-908-**-	TC3-908P-**-	-	-	-		3	34,000	27,200	68,000
TC4-908-**-	TC4-908P-**-	-	-	-		4	42,600	34,000	85,200
TC1-910-**-	TC1-910P-**-	-	-	-	10"	1	16,000	12,800	32,000
TC2-910-**-	TC2-910P-**-	-	-	-		2	28,000	22,500	56,000
TC3-910-**-	TC3-910P-**-	-	-	-		3	36,000	28,500	72,000
TC4-910-**-	TC4-910P-**-	-	-	-		4	53,300	42,600	106,600
TC1-912-**-	TC1-912P-**-	-	-	-	12"	1	19,200	15,400	38,400
TC2-912-**-	TC2-912P-**-	-	-	-		2	33,600	26,750	67,200
TC3-912-**-	TC3-912P-**-	-	-	-		3	46,000	36,500	92,000
TC4-912-**-	TC4-912P-**-	-	-	-		4	64,000	51,200	128,000

\*\*Enter length for ordering ie... 3 foot would be "03".

The above capacities are for steel hardware only.



## TT = Triangle Triangle

Standard options		Sling Protection Sewn-In:
N = Nylon		ME = Monster Edge®
P = Polyester		PGE = GORILLA-EDGE™
PHV = High Viz Polyester		

Part# Nylon	Part# Poly	Part# Hi Viz Poly	Part# Monster Edge®	Part# Gorilla- Edge™ (PGE)	Web Width (in.)	Ply	Rated Capacity in Lbs.		
							Vertical	Choker	Basket
TT1-902-**	TT1-902P-**	TT1-902PHV-**	TT1-902ME-**	TT1-902PGE-**	2"	1	3,200	2,500	6,400
TT2-902-**	TT2-902P-**	TT2-902PHV-**	TT2-902ME-**	TT2-902PGE-**		2	6,400	5,000	12,800
TT3-902-**	TT3-902P-**	TT3-902PHV-**	TT3-902ME-**	TT3-902PGE-**		3	8,200	6,600	16,500
TT4-902-**	TT4-902P-**	TT4-902PHV-**	TT4-902ME-**	TT4-902PGE-**		4	11,000	8,800	22,000
TT1-903-**	TT1-903P-**	TT1-903PHV-**	TT1-903ME-**	TT1-903PGE-**	3"	1	4,800	3,800	9,600
TT2-903-**	TT2-903P-**	TT2-903PHV-**	TT2-903ME-**	TT2-903PGE-**		2	8,900	7,200	17,800
TT3-903-**	TT3-903P-**	TT3-903PHV-**	TT3-903ME-**	TT3-903PGE-**		3	12,300	9,900	24,600
TT4-903-**	TT4-903P-**	TT4-903PHV-**	TT4-903ME-**	TT4-903PGE-**		4	16,400	13,120	32,800
TT1-904-**	TT1-904P-**	TT1-904PHV-**	TT1-904ME-**	TT1-904PGE-**	4"	1	6,400	5,000	12,800
TT2-904-**	TT2-904P-**	TT2-904PHV-**	TT2-904ME-**	TT2-904PGE-**		2	11,500	9,200	23,000
TT3-904-**	TT3-904P-**	TT3-904PHV-**	TT3-904ME-**	TT3-904PGE-**		3	15,300	12,200	30,600
TT4-904-**	TT4-904P-**	TT4-904PHV-**	TT4-904ME-**	TT4-904PGE-**		4	20,400	16,320	40,800
TT1-906-**	TT1-906P-**	-	TT1-906ME-**	TT1-906PGE-**	6"	1	9,600	7,600	19,200
TT2-906-**	TT2-906P-**	-	TT2-906ME-**	TT2-906PGE-**		2	16,500	13,200	33,000
TT3-906-**	TT3-906P-**	-	TT3-906ME-**	TT3-906PGE-**		3	23,000	18,400	46,000
TT4-906-**	TT4-906P-**	-	TT4-906ME-**	TT4-906PGE-**		4	30,600	24,480	61,200
TT1-908-**	TT1-908P-**	-	-	-	8"	1	12,800	10,000	25,600
TT2-908-**	TT2-908P-**	-	-	-		2	22,800	18,000	45,600
TT3-908-**	TT3-908P-**	-	-	-		3	34,000	27,200	68,000
TT4-908-**	TT4-908P-**	-	-	-		4	42,600	34,000	85,200
TT1-910-**	TT1-910P-**	-	-	-	10"	1	16,000	12,800	32,000
TT2-910-**	TT2-910P-**	-	-	-		2	28,000	22,500	56,000
TT3-910-**	TT3-910P-**	-	-	-		3	36,000	28,500	72,000
TT4-910-**	TT4-910P-**	-	-	-		4	53,300	42,600	106,600
TT1-912-**	TT1-912P-**	-	-	-	12"	1	19,200	15,400	38,400
TT2-912-**	TT2-912P-**	-	-	-		2	33,600	26,750	67,200
TT3-912-**	TT3-912P-**	-	-	-		3	46,000	36,500	92,000
TT4-912-**	TT4-912P-**	-	-	-		4	64,000	51,200	128,000

\*\*Enter length for ordering ie... 3 foot would be "03".

The above capacities are for steel hardware only.



**EEF = Eye & Eye Flat / EET = Eye & Eye Twisted**

Standard options		Sling Protection Sewn-In:
<b>N = Nylon</b>		<b>ME = Monster Edge®</b>
<b>P = Polyester</b>		<b>PGE = GORILLA-EDGE™</b>
<b>PHV = High Viz Polyester</b>		

Part# Nylon	Part# Poly	Part# Hi Viz Poly	Part# Monster Edge®	Part# Gorilla- Edge™ (PGE)	Web Width (in.)	Ply	Rated Capacity in Lbs.		
							Vertical	Choker	Basket
EE*-1-901-**	EE*-1-901P-**	EE*-1-901PHV-**	EE*-1-901ME-**	EE*-1-901PGE-**	1"	1	1,600	1,200	3,200
EE*-2-901-**	EE*-2-901P-**	EE*-2-901PHV-**	EE*-2-901ME-**	EE*-2-901PGE-**		2	3,200	2,500	6,400
EE*-3-901-**	EE*-3-901P-**	EE*-3-901PHV-**	EE*-3-901ME-**	EE*-3-901PGE-**		3	4,100	3,300	8,200
EE*-4-901-**	EE*-4-901P-**	EE*-4-901PHV-**	EE*-4-901ME-**	EE*-4-901PGE-**		4	5,500	4,400	11,000
EE*-1-902-**	EE*-1-902P-**	EE*-1-902PHV-**	EE*-1-902ME-**	EE*-1-902PGE-**	2"	1	3,200	2,500	6,400
EE*-2-902-**	EE*-2-902P-**	EE*-2-902PHV-**	EE*-2-902ME-**	EE*-2-902PGE-**		2	6,400	5,000	12,800
EE*-3-902-**	EE*-3-902P-**	EE*-3-902PHV-**	EE*-3-902ME-**	EE*-3-902PGE-**		3	8,200	6,600	16,500
EE*-4-902-**	EE*-4-902P-**	EE*-4-902PHV-**	EE*-4-902ME-**	EE*-4-902PGE-**		4	11,000	8,800	22,000
EE*-1-903-**	EE*-1-903P-**	EE*-1-903PHV-**	EE*-1-903ME-**	EE*-1-903PGE-**	3"	1	4,800	3,800	9,600
EE*-2-903-**	EE*-2-903P-**	EE*-2-903PHV-**	EE*-2-903ME-**	EE*-2-903PGE-**		2	8,900	7,200	17,800
EE*-3-903-**	EE*-3-903P-**	EE*-3-903PHV-**	EE*-3-903ME-**	EE*-3-903PGE-**		3	12,300	9,900	24,600
EE*-4-903-**	EE*-4-903P-**	EE*-4-903PHV-**	EE*-4-903ME-**	EE*-4-903PGE-**		4	16,400	13,120	32,800
EE*-1-904-**	EE*-1-904P-**	EE*-1-904PHV-**	EE*-1-904ME-**	EE*-1-904PGE-**	4"	1	6,400	5,000	12,800
EE*-2-904-**	EE*-2-904P-**	EE*-2-904PHV-**	EE*-2-904ME-**	EE*-2-904PGE-**		2	11,500	9,200	23,000
EE*-3-904-**	EE*-3-904P-**	EE*-3-904PHV-**	EE*-3-904ME-**	EE*-3-904PGE-**		3	15,300	12,200	30,600
EE*-4-904-**	EE*-4-904P-**	EE*-4-904PHV-**	EE*-4-904ME-**	EE*-4-904PGE-**		4	20,400	16,320	40,800
EE*-1-906-**	EE*-1-906P-**	EE*-1-906PHV-**	EE*-1-906ME-**	EE*-1-906PGE-**	6"	1	9,600	7,600	19,200
EE*-2-906-**	EE*-2-906P-**	EE*-2-906PHV-**	EE*-2-906ME-**	EE*-2-906PGE-**		2	16,500	13,200	33,000
EE*-3-906-**	EE*-3-906P-**	EE*-3-906PHV-**	EE*-3-906ME-**	EE*-3-906PGE-**		3	23,000	18,400	46,000
EE*-4-906-**	EE*-4-906P-**	EE*-4-906PHV-**	EE*-4-906ME-**	EE*-4-906PGE-**		4	30,600	24,480	61,200
EE*-1-908-**	EE*-1-908P-**	EE*-1-908PHV-**	EE*-1-908ME-**	EE*-1-908PGE-**	8"	1	12,800	10,000	25,600
EE*-2-908-**	EE*-2-908P-**	EE*-2-908PHV-**	EE*-2-908ME-**	EE*-2-908PGE-**		2	22,800	18,000	45,600
EE*-3-908-**	EE*-3-908P-**	EE*-3-908PHV-**	EE*-3-908ME-**	EE*-3-908PGE-**		3	34,000	27,200	68,000
EE*-4-908-**	EE*-4-908P-**	EE*-4-908PHV-**	EE*-4-908ME-**	EE*-4-908PGE-**		4	42,600	34,000	85,200
EE*-1-910-**	EE*-1-9010P-**	EE*-1-9010PHV-**	EE*-1-910ME-**	EE*-1-910PGE-**	10"	1	16,000	12,800	32,000
EE*-2-910-**	EE*-2-9010P-**	EE*-2-9010PHV-**	EE*-2-910ME-**	EE*-2-910PGE-**		2	28,000	22,500	56,000
EE*-3-910-**	EE*-3-9010P-**	EE*-3-9010PHV-**	EE*-3-910ME-**	EE*-3-910PGE-**		3	36,000	28,500	72,000
EE*-4-910-**	EE*-4-9010P-**	EE*-4-9010PHV-**	EE*-4-910ME-**	EE*-4-910PGE-**		4	53,300	42,600	106,600
EE*-1-912-**	EE*-1-9012P-**	EE*-1-9012PHV-**	EE*-1-912ME-**	EE*-1-912PGE-**	12"	1	19,200	15,400	38,400
EE*-2-912-**	EE*-2-9012P-**	EE*-2-9012PHV-**	EE*-2-912ME-**	EE*-2-912PGE-**		2	33,600	26,750	67,200
EE*-3-912-**	EE*-3-9012P-**	EE*-3-9012PHV-**	EE*-3-912ME-**	EE*-3-912PGE-**		3	46,000	36,500	92,000
EE*-4-912-**	EE*-4-9012P-**	EE*-4-9012PHV-**	EE*-4-912ME-**	EE*-4-912PGE-**		4	64,000	51,200	128,000

\*\*Enter length for ordering ie... 3 foot would be "03".

The above capacities are for steel hardware only.



## EN = Endless

Standard options		Sling Protection Sewn-In:
<b>N = Nylon</b>		<b>ME = Monster Edge®</b>
<b>P = Polyester</b>		<b>PGE = GORILLA-EDGE™</b>
<b>PHV = High Viz Polyester</b>		

Part# Nylon	Part# Poly	Part# Hi Viz Poly	Part# Monster Edge®	Part# Gorilla-Edge™ (PGE)	Web Width (in.)	Ply	Rated Capacity in Lbs.		
							Vertical	Choker	Basket
EN1-901-**	EN1-901P-**	EN1-901PHV-**	EN1-901ME-**	EN1-901PGE-**	1"	1	3,200	2,500	6,400
EN2-901-**	EN2-901P-**	EN2-901PHV-**	EN2-901ME-**	EN2-901PGE-**		2	6,200	4,960	12,400
EN3-901-**	EN3-901P-**	EN3-901PHV-**	EN3-901ME-**	EN3-901PGE-**		3	9,000	7,200	18,000
EN4-901-**	EN4-901P-**	EN4-901PHV-**	EN4-901ME-**	EN4-901PGE-**		4	11,000	8,800	22,000
EN1-902-**	EN1-902P-**	EN1-902PHV-**	EN1-902ME-**	EN1-902PGE-**	2"	1	6,200	4,960	12,400
EN2-902-**	EN2-902P-**	EN2-902PHV-**	EN2-902ME-**	EN2-902PGE-**		2	12,400	9,920	24,800
EN3-902-**	EN3-902P-**	EN3-902PHV-**	EN3-902ME-**	EN3-902PGE-**		3	16,500	13,200	33,000
EN4-902-**	EN4-902P-**	EN4-902PHV-**	EN4-902ME-**	EN4-902PGE-**		4	22,000	17,600	44,000
EN1-903-**	EN1-903P-**	EN1-903PHV-**	EN1-903ME-**	EN1-903PGE-**	3"	1	9,400	7,520	18,800
EN2-903-**	EN2-903P-**	EN2-903PHV-**	EN2-903ME-**	EN2-903PGE-**		2	17,600	14,080	35,200
EN3-903-**	EN3-903P-**	EN3-903PHV-**	EN3-903ME-**	EN3-903PGE-**		3	24,700	19,800	49,400
EN4-903-**	EN4-903P-**	EN4-903PHV-**	EN4-903ME-**	EN4-903PGE-**		4	32,900	26,320	65,800
EN1-904-**	EN1-904P-**	EN1-904PHV-**	EN1-904ME-**	EN1-904PGE-**	4"	1	12,400	9,920	24,800
EN2-904-**	EN2-904P-**	EN2-904PHV-**	EN2-904ME-**	EN2-904PGE-**		2	22,000	17,600	44,000
EN3-904-**	EN3-904P-**	EN3-904PHV-**	EN3-904ME-**	EN3-904PGE-**		3	34,400	27,500	68,800
EN4-904-**	EN4-904P-**	EN4-904PHV-**	EN4-904ME-**	EN4-904PGE-**		4	40,800	32,640	81,600
EN1-906-**	EN1-906P-**	-	EN1-906ME-**	EN1-906PGE-**	6"	1	18,600	14,880	37,200
EN2-906-**	EN2-906P-**	-	EN2-906ME-**	EN2-906PGE-**		2	33,000	26,400	66,000
EN3-906-**	EN3-906P-**	-	EN3-906ME-**	EN3-906PGE-**		3	45,900	36,700	91,700
EN4-906-**	EN4-906P-**	-	EN4-906ME-**	EN4-906PGE-**		4	61,200	48,960	122,400
EN1-908-**	EN1-908P-**	-	-	-	8"	1	21,200	16,960	42,400
EN2-908-**	EN2-908P-**	-	-	-		2	42,300	33,840	84,600
EN3-908-**	EN3-908P-**	-	-	-		3	-	-	-
EN4-908-**	EN4-908P-**	-	-	-		4	-	-	-
EN1-910-**	EN1-910P-**	-	-	-	10"	1	26,500	21,200	53,000
EN2-910-**	EN2-910P-**	-	-	-		2	52,900	42,320	105,800
EN3-910-**	EN3-910P-**	-	-	-		3	-	-	-
EN4-910-**	EN4-910P-**	-	-	-		4	-	-	-
EN1-912-**	EN1-912P-**	-	-	-	12"	1	31,800	25,440	63,600
EN2-912-**	EN2-912P-**	-	-	-		2	63,500	50,800	127,000
EN3-912-**	EN3-912P-**	-	-	-		3	-	-	-
EN4-912-**	EN4-912P-**	-	-	-		4	-	-	-

\*\*Enter length for ordering ie... 3 foot would be "03".



## RE = REVERSE EYE

Standard options
N = Nylon
P = Polyester



Part# Nylon	Part# Poly	Web Width (in.)	Ply	Rated Capacity in Lbs.			Eye Width (in.)	Eye Length
				Vertical	Choker	Basket		
RE1-902-**-	RE1-902P-**-	2"	1	4,500	3,600	9,000	1"	9"
RE2-902-**-	RE2-902P-**-		2	7,500	6,000	15,000	1"	12"
RE1-904-**-	RE1-904P-**-	4"	1	8,600	6,900	17,200	2"	12"
RE2-904-**-	RE2-904P-**-		2	14,500	11,600	29,000	2"	15"
RE3-904-**-	RE3-904P-**-		3	20,400	16,300	40,800	2"	18"
RE4-904-**-	RE4-904P-**-		4	23,000	18,400	46,000	2"	18"
RE1-906-**-	RE1-906P-**-	6"	1	11,000	8,800	22,000	3"	15"
RE2-906-**-	RE2-906P-**-		2	20,000	16,000	40,000	3"	18"
RE3-906-**-	RE3-906P-**-		3	27,000	21,500	54,000	3"	20"
RE4-906-**-	RE4-906P-**-		4	35,000	28,000	70,000	3"	24"

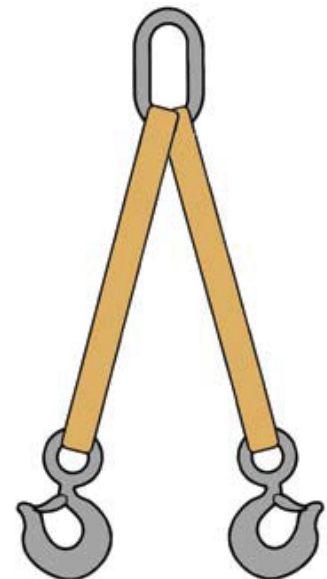
\*\*Enter length for ordering ie... 3 foot would be "03".

## BR = Bridle (Multi-Leg)

Standard options
N = Nylon
P = Polyester

Number of Legs	Part# Nylon	Part# Poly	Web Width (in.)	Ply	Rated Capacity in Lbs.			
					Leg Angle			
					90°	60°	45°	30°
1	BR1-1901-M1H-**-	BR1-1901P-M1H-**-	1"	1	1,600	-	-	-
	BR1-2901-M1H-**-	BR1-2901P-M1H-**-		2	3,000	-	-	-
	BR1-1902-M1H-**-	BR1-1902P-M1H-**-	2"	1	3,200	-	-	-
	BR1-2902-M1H-**-	BR1-2902P-M1H-**-		2	6,000	-	-	-
2	BR1-1901-M2H-**-	BR1-1901P-M2H-**-	1"	1		2,700	2,200	1,600
	BR1-2901-M2H-**-	BR1-2901P-M2H-**-		2		5,100	4,200	3,000
	BR1-1902-M2H-**-	BR1-1902P-M2H-**-	2"	1		5,100	4,200	3,000
	BR1-2902-M2H-**-	BR1-2902P-M2H-**-		2		10,300	8,400	6,000
3	BR3-1901-M3H-**-	BR3-1901P-M3H-**-	1"	1		4,800	3,300	2,400
	BR3-2901-M3H-**-	BR3-2901P-M3H-**-		2		7,700	6,300	4,500
	BR3-1902-M3H-**-	BR3-1902P-M3H-**-	2"	1		8,300	6,700	4,800
	BR3-2902-M3H-**-	BR3-2902P-M3H-**-		2		15,500	12,700	9,000
4	BR4-1901-M4H-**-	BR4-1901P-M4H-**-	1"	1		5,500	4,500	3,200
	BR4-2901-M4H-**-	BR4-2901P-M4H-**-		2		10,300	8,400	6,000
	BR4-1902-M4H-**-	BR4-1902P-M4H-**-	2"	1		11,000	9,000	6,400
	BR4-2902-M4H-**-	BR4-2902P-M4H-**-		2		20,700	16,900	12,000

\*\*Enter length for ordering ie... 3 foot would be "03".



**2 - Leg Bridle with Rigging Hooks**





## Standard options

**N = Nylon**

**P = Polyester**

## WB = Heavy Duty Wide Body Basket Sling

Part# Nylon	Part# Poly	Web Width (in.)	Ply	Rated Capacity in Lbs.				Eye Width (in.)	Eye Length
				Rigging (Basket)	Basket Leg Angle				
					60°	45°	30°		
WB1-906-**	WB1-906P-**	6"	1	19,200	16,600	13,500	9,600	1.5"	10"
WB2-906-**	WB2-906P-**		2	36,000	31,100	25,400	18,000	1.5"	10"
WB1-908-**	WB1-908P-**	8"	1	25,600	22,100	18,100	12,800	2"	12"
WB2-908-**	WB2-908P-**		2	48,000	41,500	33,900	24,000	2"	12"
WB1-910-**	WB1-910P-**	10"	1	32,000	27,700	22,600	16,000	2.5"	15"
WB2-910-**	WB2-910P-**		2	60,000	51,900	42,400	30,000	2.5"	15"
WB1-912-**	WB1-912P-**	12"	1	38,400	33,200	27,100	19,200	3"	18"
WB2-912-**	WB2-912P-**		2	72,000	62,300	50,900	36,000	3"	18"
WB1-916-**	WB1-916P-**	16"	1	51,200	44,300	36,200	25,600	4"	24"
WB2-916-**	WB2-916P-**		2	82,000	71,000	58,000	41,000	4"	24"
WB1-920-**	WB1-920P-**	20"	1	64,000	55,400	45,200	32,000	5"	30"
WB2-920-**	WB2-920P-**		2	96,000	83,100	67,900	48,000	5"	30"
WB1-924-**	WB1-924P-**	24"	1	76,800	66,500	54,300	38,200	6"	30"
WB2-924-**	WB2-924P-**		2	108,000	93,500	76,300	54,000	6"	30"

\*\*Enter length for ordering i.e... 3 foot would be "03".



## LB = Light Duty Basket

Part# Nylon	Part# Poly	Web Width (in.)	Ply	Rated Capacity in Lbs.				Eye Width (in.)	Eye Length
				Rigging (Basket)	Basket Leg Angle				
					60°	45°	30°		
LB1-906-**	LB1-906P-**	6"	1	3,000	2,600	2,100	1,500	1"	10"
LB2-906-**	LB2-906P-**		2	6,000	5,200	4,200	3,000	1"	10"
LB1-908-**	LB1-908P-**	8"	1	3,000	2,600	2,100	1,500	1"	10"
LB2-908-**	LB2-908P-**		2	6,000	5,200	4,200	3,000	1"	10"
LB1-910-**	LB1-910P-**	10"	1	3,000	2,600	2,100	1,500	1"	12"
LB2-910-**	LB2-910P-**		2	6,000	5,200	4,200	3,000	1"	12"
LB1-912-**	LB1-912P-**	12"	1	3,000	2,600	2,100	1,500	1"	12"
LB2-912-**	LB2-912P-**		2	6,000	5,200	4,200	3,000	1"	12"
LB1-916-**	LB1-916P-**	16"	1	5,000	4,300	3,500	2,500	2"	12"
LB2-916-**	LB2-916P-**		2	10,000	8,700	7,100	5,000	2"	12"
LB1-920-**	LB1-920P-**	20"	1	5,000	4,300	3,500	2,500	2"	18"
LB2-920-**	LB2-920P-**		2	10,000	8,700	7,100	5,000	2"	18"
LB1-924-**	LB1-924P-**	24"	1	5,000	4,300	3,500	2,500	2"	18"
LB2-924-**	LB2-924P-**		2	10,000	8,700	7,100	5,000	2"	18"

\*\*Enter length for ordering i.e... 3 foot would be "03".

NOTE: Our attached eyes are sewn to the light duty basket as a completely endless sling providing maximum strength and safety.



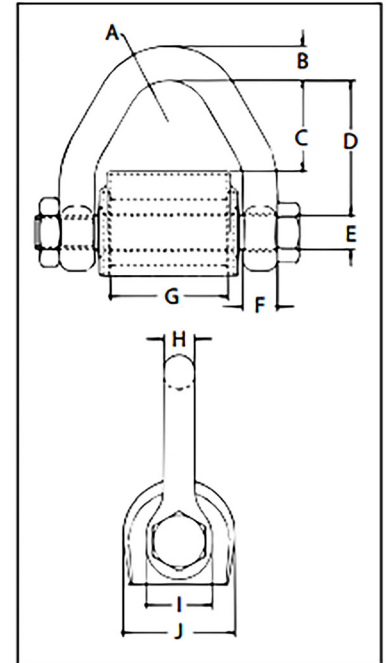
## Crosby Sling Saver® Web Connector The Perfect Fit for STREN-FLEX® Web Slings!



**S-280**



- All Alloy construction.
- Durable vinyl cover that:
  - Protects sling at eye.
  - Keeps sling positioned correctly on spool.
- Design Factor of 5:1.
- Connects Synthetic Web Slings & Roundslings to conventional Crosby hardware.
- Makes a field assembled bridle quick and easy.
- No retaining pin to snag sling material.
- Increased radius of spool gives wider sling bearing surface resulting in an increased area for load distribution, thus:
  - Increasing Synthetic Sling efficiency as compared to standard anchor and chain shackle bows and conventional eye hooks. This allows 100% of the slings rated working load limit to be achieved.
  - Allowing better load distribution on internal fibers.
- Replacement kit for spool and web cover available.
- Designed for use with Type III (Eye & Eye), Class 7, 2 ply webbing & Synthetic Roundslings. Also accommodates single ply and endless slings.



Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Roundslings by the Web Sling & Tie Down Association, WSTDA RS-1.

### S-280 Web Connector

Round Sling Size (No.)	Web Slings*			Working Load Limit (t) †	S-280 Stock No.	Weight Each (kg)	Dimensions (mm)									
	Webbing Width (mm)	Eye Width (mm)	Ply				A	B	C	D	E	F	G	H	I	J
1 & 2	50	50	2	2.95	1021681	.68	19.1	15.7	41.4	62.0	16.0	15.7	68.5	14.2	30.2	51.5
3	75	35	2	4.08	1021690	.86	19.1	17.5	27.9	51.0	19.1	17.5	55.5	15.2	35.1	59.5
4	100	50	2	5.67	1021700	1.32	19.1	20.6	42.2	65.0	22.4	19.1	68.5	17.5	41.1	62.5
5 & 6	150	75	2	7.70	1021709	2.31	25.4	23.9	62.5	89.0	25.4	22.4	93.5	22.4	47.8	72.0

\*\*Designed for use with Type III, (Eye & Eye), Class 7, 2 Ply web slings. For 3" and larger webbing width, tapered eye is required. †Maximum Proof Load is 2 times the working load limit.



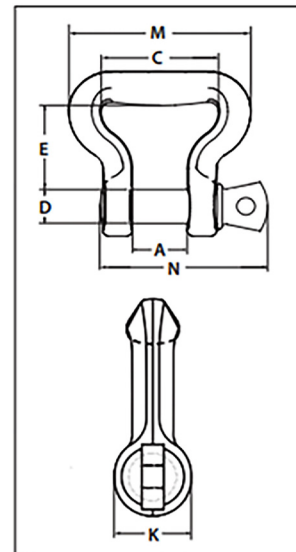
## Crosby Sling Saver® Web Shackles The Perfect Fit for STREN-FLEX® Web Slings!



**S-281**

Web Sling Shackle is designed to connect Synthetic Web Slings and Synthetic Roundslings to eyebolts, pad eyes, and lifting lugs.

- All Alloy construction.
- Design Factor of 5:1.
- Each shackle has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby forged into it.
- Incorporates same ear spread and pin dimensions as conventional Crosby Shackles. Allows easy connection to pad eyes, eye bolts, and lifting lugs.
- Increased radius of bow gives wider sling bearing surface resulting in an increased area for load distribution, thus:
  - Increasing Synthetic Sling efficiency as compared to standard anchor and chain shackle bows and conventional eye hooks. This allows 100% of the sling's rated Working Load Limit to be achieved.
  - Allows better load distribution on internal fibers.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements, importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Look for the Red Pin® ... The mark of genuine Crosby Quality.



Crosby Sling Saver hardware meets the requirements for minimum stock diameter or thickness, and effective contact width shown in the Recommended Standards Specification for Synthetic Polyester Roundslings by the Web Sling & Tie Down Association, WSTDA RS-1.

### S-281 Web Sling Shackle

Round Sling Size (No.)	Web Slings*			Working Load Limit (t) †	S-281 Stock No.	Weight Each (kg)	Dimensions (mm)						
	Webbing Width (mm)	Eye Width (mm)	Ply				A	C	D	E	K	M	N
1 & 2	50	50	2	2.95	1021048	.54	26.9	63.5	19.1	41.1	31.0	97.5	85.0
3	75	35	2	4.08	1021057	.68	31.8	51.0	22.4	38.1	35.8	86.0	101
4	100	50	2	5.67	1021066	1.13	36.6	63.5	25.4	51.0	41.1	107	114
5 & 6	150	75	2	7.70	1021075	1.95	42.9	92.0	28.7	70.0	46.7	143	130

\*\*Designed for use with Type III, (Eye & Eye), Class 7, 2 Ply web slings. For 3" and larger webbing width, tapered eye is required. †Maximum Proof Load is 2 times the working load limit.



## CM Quick Connect Hooks The Perfect Fit for STREN-FLEX® Roundslings!

Part#	Color Code	Working Load Limit (Lbs.)
M85030	Purple	2600
M85060	Green	5300
M85120	Yellow	8400
M85033	Red	13200





## Standard Endless Roundslings – Lightweight and Versatile

Capacities from 2,600 lbs. to 100,000 lbs.

See Page 27 and 29 for ordering information



### STANDARD ENDLESS

A continuous loop that offers the user even wear on the sling's outer cover by having multiple bearing points of loading

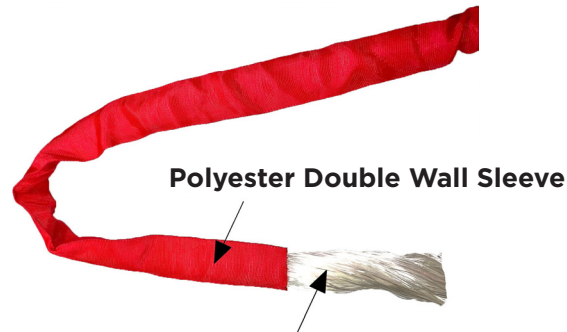


### STANDARD EYE & EYE

A continuous loop with GORILLA-GUARD™ covering the sling's body forming an eye on each end

## The STREN-FLEX® difference

Polyester roundslings are made from polyester fiber with a double wall cover.



High Tenacity Polyester Yarns

- Manufacturing technique enables for consistent and precise finished product
- Consistent break test results
- Each sling is weighed and inspected after production
- We use only domestically sourced raw materials in manufacturing
- **TwinTag™ RTS** protected tag feature helps protect tag from illegibility
- Individually serialized
- Production date visible on tag for inspection purposes
- WSTDA recommended color codes

**TwinTag™ RTS**  
(Redundant Tagging System)  
Redundant Info Protected







## SIMIAN® GT Roundslings – Premium Roundslings with SIMIAN® Technology abrasion resistant outer cover

Capacities from 3,000 lbs. to 53,000 lbs.

See page 28 for ordering information.



**SIMIAN® GT ENDLESS**

A continuous loop that offers the user even wear on the sling's outer cover by having multiple bearing points of loading



**SIMIAN® GT EYE & EYE**

A continuous loop with GORILLA-GUARD™ covering the sling's body forming an eye on each end

The brand name customers ask for! Here's The SIMIAN® GT difference:

- All the benefits of a STREN-FLEX® endless polyester roundsling
- Outer cover is designed with a unique weave structure of treated high tenacity polyester yarns that protect the sling from abrasive wear
- Outer cover finished with Nanosphere® Technology that repels dirt, oils, and water while remaining abrasion resistant and breathable
- At least (3) times more abrasion resistant than standard roundslings
- Highest capacities per color in the industry
- Capacity recognition features; **(4) points of identification:**



**Point 1 - Stripe coding,**  
each stripe = 3,000 lbs.  
of vertical working load



**Point 2 - Printed**  
vertical working load  
limit on outer cover



**Point 3 - TwinTag™**  
RTS redundant  
tagging system

**Point 4 - WSTDA**  
recommended color  
codes per capacity





## STANDARD ENDLESS ROUNDSLINGS

Tough, Durable, Lightweight and Versatile



- Polyester roundsling protective covers should be color coded to correspond with their rated capacities per WSTDA RS-1

Part#	Color	Vertical	Choker	Basket	Relaxed Body Dia. (In.)	Sleeve Width (In.)	Approx. Wt. (Lbs. Per Ft.)
ERS1-**	Purple	2,600	2,080	5,200	0.60	1.50	0.30
ERS2-**	Green	5,300	4,240	10,600	0.90	1.80	0.40
ERS3-**	Yellow	8,400	6,720	16,800	1.10	2.10	0.60
ERS4-**	Tan	10,600	8,480	21,200	1.30	2.10	0.70
ERS5-**	Red	13,200	10,560	26,400	1.50	2.70	0.80
ERS6-**	White	16,800	13,440	33,600	1.60	2.90	0.90
ERS7-**	Blue	21,200	16,960	42,400	1.80	3.50	1.50
ERS8-**	Orange	26,000	20,800	52,000	2.30	4.72	1.70
ERS9-**	Orange	31,000	24,800	62,000	2.80	4.72	2.00
ERS10-**	Orange	40,000	32,000	80,000	3.00	4.72	2.10
ERS11-**	Orange	53,000	42,400	106,000	3.40	4.72	2.80
ERS12-**	Orange	66,000	52,800	132,000	3.60	5.39	3.40
ERS13-**	Orange	90,000	72,000	180,000	4.50	6.25	4.20
ERS14-**	Orange	100,000	80,000	200,000	4.80	6.25	4.70

\* Due to manufacturing complexities, the sleeve color of ERS12, ERS13 and ERS14 are subject to change.

\*\*Enter the length required when ordering ie... 3 foot would be "03".





## PREMIUM ENDLESS ROUNDSLINGS — A Better Way to Lift!

Part#	Color	Vertical	Choker	Basket	Minimum Length (Ft.)	Relaxed Body Dia. (In.)	Sleeve Width (In.)	Approx. Wt. (Lbs. Per Ft.)
ERSST1-**	Purple	3,000	2,400	6,000	3	0.60	1.50	0.30
ERSST2-**	Green	6,000	4,800	12,000	3	0.90	1.80	0.40
ERSST3-**	Yellow	9,000	7,200	18,000	3	1.10	2.10	0.60
ERSST4-**	Tan	12,000	9,600	24,000	3	1.30	2.10	0.70
ERSST5-**	Red	15,000	12,000	30,000	3	1.60	2.70	0.90
ERSST6-**	White	18,000	14,400	36,000	3	1.70	2.90	1.00
ERSST7-**	Blue	24,000	19,200	48,000	3	2.00	3.50	1.70
ERSST8-**	Orange	30,000	24,000	60,000	3	2.30	4.72	2.00
ERSST9-**	Black	35,000	28,000	70,000	3	3.00	4.72	2.10
ERSST10-**	Black	40,000	32,000	80,000	3	3.00	4.72	2.10
ERSST11-**	Black	53,000	42,400	106,000	3	3.40	6.25	2.80

\*\*Enter the length required when ordering ie... 3 foot would be "03".

## Proven Superiority and Durability!

Third party comparison hexbar abrasion testing:

- Standard Green = 55,913 cycles
- SIMIAN® GT Green = 181,092 cycles

**Result = +3.24 times greater wear to destruction**

- Standard Blue = 80,964 cycles
- SIMIAN® GT Blue = 600,000 cycles

**Result = +7.41 times greater wear to destruction**

Lab Request

Lab No. 2019L76

Customer: [REDACTED] Date: 12/9/2019

Request by whom: [REDACTED] Date Need By: Work In

Summary of tests need to be performed:

Comparison of 3 1/2" Blue Poly Tubing with 3 1/2" Blue Simian GT Poly for abrasion resistance.			
Comparison of 1 3/4" Green Poly Tubing with 1 3/4" Green Simian GT Poly for abrasion resistance.			
Perform abrasion testing 2,500 cycles, visually inspect for damage. Note any damage, test again for 5,000 cycles. Inspect and note, if capable test another 5,000 cycles.			
Product	Cycle		
1 3/4" Green Simian	181,092		
RSO128SP	55,913		
3 1/2" Blue Simian	600,000		
RSO324SP	80,964		

Test Completed By: Susan Harrington

Date: 2-12-20 8/27/10 LS





## STANDARD EYE & EYE ROUNDSLINGS



Part#	Color	Vertical	Choker	Basket	Relaxed Body Dia. (In.)	Ply	Approx. Wt. (Lbs. Per Ft.)
ERS1-**	Purple	2,600	2,080	5,200	0.60	1.50	0.30
ERS2-**	Green	5,300	4,240	10,600	0.90	1.80	0.40
ERS3-**	Yellow	8,400	6,720	16,800	1.10	2.10	0.60
ERS4-**	Tan	10,600	8,480	21,200	1.30	2.10	0.70
ERS5-**	Red	13,200	10,560	26,400	1.50	2.70	0.80
ERS6-**	White	16,800	13,440	33,600	1.60	2.90	0.90
ERS7-**	Blue	21,200	16,960	42,400	1.80	3.50	1.50
ERS8-**	Orange	26,000	20,800	52,000	2.30	4.72	1.70
ERS9-**	Orange	31,000	24,800	62,000	2.80	4.72	2.00
ERS10-**	Orange	40,000	32,000	80,000	3.00	4.72	2.10
ERS11-**	Orange	53,000	42,400	106,000	3.40	4.72	2.80
ERS12-**	Orange	66,000	52,800	132,000	3.60	5.39	3.40
ERS13-**	Orange	90,000	72,000	180,000	4.50	6.25	4.20
ERS14-**	Orange	100,000	80,000	200,000	4.80	6.25	4.70

\*\*Enter the length required when ordering ie... 3 foot would be "03".



## PREMIUM EYE & EYE ROUNDSLINGS



Part#	Color	Vertical	Choker	Basket	Minimum Length (Ft.)	Relaxed Body Dia. (In.)	Sleeve Width (In.)	Approx. Wt. (Lbs. Per Ft.)
EERSST1-**	Purple	3,000	2,400	6,000	3	0.60	1.50	0.30
EERSST2-**	Green	6,000	4,800	12,000	3	0.90	1.80	0.40
EERSST3-**	Yellow	9,000	7,200	18,000	3	1.10	2.10	0.60
EERSST4-**	Tan	12,000	9,600	24,000	3	1.30	2.10	0.70
EERSST5-**	Red	15,000	12,000	30,000	3	1.60	2.70	0.90
EERSST6-**	White	18,000	14,400	36,000	3	1.70	2.90	1.00
EERSST7-**	Blue	24,000	19,200	48,000	3	2.00	3.50	1.70
EERSST8-**	Orange	30,000	24,000	60,000	3	2.30	4.72	2.00

\*\*Enter the length required when ordering ie... 3 foot would be "03".





Capacities to 500,000 lbs.

See page 30 for ordering information.



## SIMIAN® Ultra HIGH PERFORMANCE ENDLESS

### • APPLICATIONS:

- > Recommended for static lifts with light to moderate load contact
- > A General Purpose, cost effective heavy lift roundsling when the user requires an ergonomic solution to steel products

### • CONSTRUCTION:

- > Made with a texturized nylon, double layer outer cover with the load carrying yarns made from High Modulus Polyethylene (HMPE)

### • FEATURE AND BENEFITS:

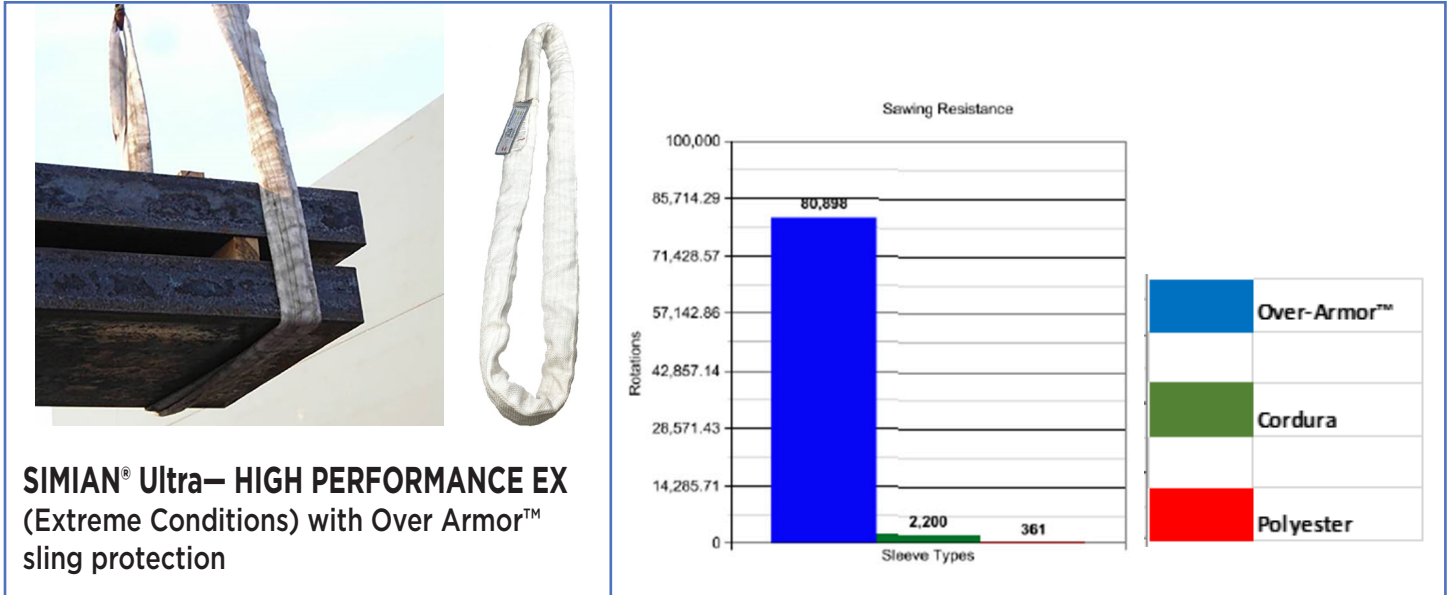
- > **SUPERIOR STRENGTH** - Made with HMPE load carrying yarns, the world's strongest high-performance fiber
- > **ERGONOMIC** - Very light weight, pliable and easy to use, they are approximately 35% lighter than polyester roundslings and over 80% lighter than steel slings with the same rated capacity
- > **SUPERIOR CYCLE LIFE** - HMPE core yarns have an extremely high cycle fatigue resistance versus other high-performance fibers.
- > **ELIMINATES DAMAGE** - Will not damage the load like conventional steel slings
- > **SUPERIOR SAFETY BENEFITS** - Will reduce lost time accidents due to the slings' ergonomic design
- > **LOW ELONGATION** - Stretch less than 1% at rated capacity
- > **REPAIRABLE** - Can be easily repaired and put back into service
- > **TEMPERATURE** - Can be used in environments from -40° up to 150°F (melting point is approx. 300°F)
- > **CHEMICAL RESISTANCE** - Load carrying yarns are highly resistant to most chemicals
- > **TESTING** - Each sling is proof tested to twice it's working load limit prior to service



## **SIMIAN®** *Ultra* EX

Capacities to 100,000 lbs.

See page 30 for ordering information.



### • APPLICATIONS:

- > Recommended for harsh application
- > A Premium heavy lift roundsling for high production and chemical environments when severe cut and abrasion resistance is needed

### • CONSTRUCTION:

- > Made with our Over Armor™ HMPE outer cover and HMPE core yarns

### • FEATURE AND BENEFITS:

- > All the features and benefits of our SIMIAN® Ultra roundslings
- > **CLEAR INSPECTION AND DISCARD CRITERIA** - Over Armor™ outer cover has internal red warning indicator yarns to assist in the inspection process
- > **SUPERIOR RESISTANCE TO HARSH ENVIRONMENTS** - Buoyant, resistant to moisture, mildew, most chemicals and UV light
- > **SUPERIOR DURABILITY** - Over Armor™ made with HMPE fibers are the most cut and abrasion resistant in the industry
- > **TESTING** - Each sling is proof tested to twice it's working load limit prior to service.



## **SIMIAN®** *Ultra* HT

Capacities to 100,000 lbs.



**SIMIAN® Ultra – HIGH PERFORMANCE HT**  
High Temperature Conditions

- **APPLICATIONS:**

- > Recommended for static lifts and lifts with light to load contact
- > A Premium heavy lift roundsling for specialty applications around high temperature environments when protection from high heat and sparks is needed

- **CONSTRUCTION:**

- > Made with Nomex® outer cover and Aramid core yarns




- **FEATURE AND BENEFITS:**

- > **SUPERIOR STRENGTH** - Made with high-performance Aramid load carrying yarns
- > **ERGONOMIC** - Very light weight, pliable and easy to use, they are approximately 35% lighter than polyester roundslings and over 80% lighter than steel slings with the same rated capacity
- > **ELIMINATES DAMAGE** - Will not damage the load like conventional steel slings
- > **SUPERIOR SAFETY BENEFITS** - Will reduce lost time accidents due to the slings ergonomic design
- > **LOW ELONGATION** - Stretch less than 1% at rated capacity
- > **REPAIRABLE** - Can be easily repaired and put back into service
- > **TEMPERATURE** - Can be used in environments from -40° up to 350°F (melting point of Nomex® cover is approx. 660°F)





## **SIMIAN®** *Ultra, EX, & HT*

Part#	Color	Vertical	Choker	Basket	Minimum Length (Ft.)	Relaxed Body Dia. (In.)	Sleeve Width (In.)	Approx. Wt. (Lbs. Per Ft.)
								
SU10000-**-	Grey	10,000	8,000	20,000	3	1.00	3.00	0.35
SU20000-**-	Grey	20,000	16,000	40,000	3	1.25	3.00	0.55
SU30000-**-	Grey	30,000	24,000	60,000	3	1.38	3.00	0.70
SU40000-**-	Grey	40,000	32,000	80,000	3	1.75	3.00	0.82
SU50000-**-	Grey	50,000	40,000	100,000	3	1.88	3.00	1.02
SU60000-**-	Grey	60,000	48,000	120,000	3	2.00	3.00	1.15
SU70000-**-	Grey	70,000	56,000	140,000	3	2.13	4.00	1.29
SU80000-**-	Grey	80,000	64,000	160,000	3	2.50	4.00	1.50
SU90000-**-	Grey	90,000	72,000	180,000	3	2.62	5.00	1.64
SU100000-**-	Grey	100,000	80,000	200,000	4	2.75	5.00	1.77
SU150000-**-	Grey	150,000	120,000	300,000	4	3.25	6.00	2.49
SU200000-**-	Grey	200,000	160,000	400,000	4	3.75	8.00	3.46
SU250000-**-	Grey	250,000	200,000	500,000	6	4.25	8.00	4.14
SU300000-**-	Grey	300,000	240,000	600,000	6	4.75	10.00	4.81
SU400000-**-	Grey	400,000	320,000	800,000	8	6.00	12.00	7.95
SU500000-**-	Grey	500,000	400,000	1,000,000	8	7.25	12.00	9.94
SUEX20000-**-	White	20,000	16,000	40,000	3	1.25	3.00	0.80
SUEX30000-**-	White	30,000	24,000	60,000	3	1.38	3.00	1.00
SUEX40000-**-	White	40,000	32,000	80,000	4	1.75	3.00	1.20
SUEX50000-**-	White	50,000	40,000	100,000	4	1.88	3.00	1.35
SUEX60000-**-	White	60,000	48,000	120,000	4	2.00	4.00	1.55
SUEX70000-**-	White	70,000	56,000	140,000	6	2.13	4.00	1.85
SUEX80000-**-	White	80,000	64,000	160,000	6	2.50	5.00	2.00
SUEX90000-**-	White	90,000	72,000	180,000	6	2.62	5.00	2.18
SUEX100000-**-	White	100,000	80,000	200,000	6	2.75	5.00	2.25
SUHT20000-**-	Yellow or Black	20,000	16,000	40,000	3	1.25	3.00	0.55
SUHT30000-**-	Yellow or Black	30,000	24,000	60,000	3	1.38	3.00	0.70
SUHT40000-**-	Yellow or Black	40,000	32,000	80,000	4	1.75	3.00	0.82
SUHT50000-**-	Yellow or Black	50,000	40,000	100,000	4	1.88	3.00	1.02
SUHT60000-**-	Yellow or Black	60,000	48,000	120,000	4	2.00	3.00	1.15
SUHT70000-**-	Yellow or Black	70,000	56,000	140,000	6	2.13	4.00	1.29
SUHT80000-**-	Yellow or Black	80,000	64,000	160,000	6	2.50	4.00	1.50
SUHT90000-**-	Yellow or Black	90,000	72,000	180,000	6	2.62	5.00	1.64
SUHT100000-**-	Yellow or Black	100,000	80,000	200,000	6	2.75	5.00	1.77

\*\*Enter the length required when ordering ie... 3 foot would be "03".



## 1" RATCHET TIE DOWNS

- 1" Polyester Webbing
- 3,000 lb. Breaking Strength
- 1,000 lb. Working Load Limit
- 15' Length



S-Hook

## 2" RATCHET TIE DOWNS

- 2" Polyester Webbing
- 10,000 lb. Breaking Strength
- 3,333 lb. Working Load Limit
- 27' or 30' Length



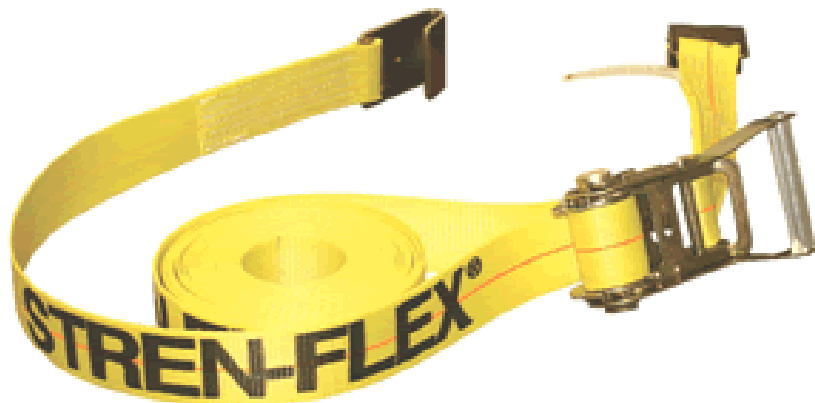
2" Wire Hook



2" Flat Hook

## 3" TO 4" RATCHET TIE DOWNS

- 3" or 4" Polyester Webbing
- 15,000 lb. Breaking Strength
- 5,000 lb. Working Load Limit
- 27' or 30' Length

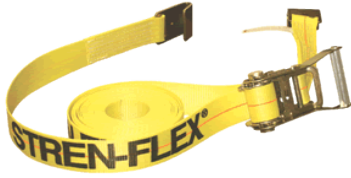


4" Flat Hook



## RATCHET TIE DOWNS













1" – 4" Tie Downs



## REPLACEMENT STRAPS

2" – 4" Straps



End Fittings	Ratchet Tie Down Part #	Replacement Strap Part#	Width (in.)	Length (in.)	Breaking Strength (BS)	Working Load Limit (WLL)
S-Hook (SH) 	RTD03155H-3000	--	1"	15'	3,000 lbs.	1,000 lbs.
Flat Hook (FH) 	RTD1027PFH	RS1027PFH	2"	27'	10,000 lbs.	3,333 lbs.
	RTD1030PFH	RS1030PFH	2"	30'	10,000 lbs.	3,333 lbs.
Snap Hook (SH) 	RTD1027PSH	RS1027PSH	2"	27'	10,000 lbs.	3,333 lbs.
	RTD1030PSH	RS1030PSH	2"	30'	10,000 lbs.	3,333 lbs.
Wire Hook (WH) 	RTD1027PWH	RS1027PWH	2"	27'	10,000 lbs.	3,333 lbs.
	RTD1030PWH	RS1030PWH	2"	30'	10,000 lbs.	3,333 lbs.
Flat Hook (FH) 	RTD1527PFH	RS1527PFH	3"	27'	15,000 lbs.	5,000 lbs.
	RTD1530PFH	RS1530PFH	3"	30'	15,000 lbs.	5,000 lbs.
D-Ring (DR) 	RTD1527PDR	RS1527PDR	3"	27'	15,000 lbs.	5,000 lbs.
	RTD1530PDR	RS1530PDR	3"	30'	15,000 lbs.	5,000 lbs.
Chain & Grab HK (CG) 	RTD1527PCG	RS1527PCG	3"	27'	15,000 lbs.	5,000 lbs.
	RTD1530PCG	RS1530PCG	3"	30'	15,000 lbs.	5,000 lbs.
Flat Hook (FH) 	RTD2027PFH	RS2027PFH	4"	27'	15,000 lbs.	5,000 lbs.
	RTD2030PFH	RS2030PFH	4"	30'	15,000 lbs.	5,000 lbs.
D-Ring (DR) 	RTD2027PDR	RS2027PDR	4"	27'	15,000 lbs.	5,000 lbs.
	RTD2030PDR	RS2030PDR	4"	30'	15,000 lbs.	5,000 lbs.
Chain & Grab HK (CG) 	RTD2027PCG	RS2027PCG	4"	27'	15,000 lbs.	5,000 lbs.
	RTD2030PCG	RS2030PCG	4"	30'	15,000 lbs.	5,000 lbs.
Axle Strap (DR) 	RTDAS1018DR	--	2"	18"	10,000 lbs.	3,333 lbs.
	RTDAS1024DR	--	2"	24"	10,000 lbs.	3,333 lbs.
Vehicle Recovery (VR) 	RTDVR2-902-20	--	2"	20'	32,000 lbs.	--
	RTDVR2-904-20	--	4"	20'	60,000 lbs.	--

## WINCH ACCESSORIES

### Corner Protectors

4" Plastic Protector  
#RD-4-PCP-25



Bolt-On Winch  
#92001



Weld-On Winch  
#92000



Winch Bar (Chrome)  
#92005



2" x 20' Boat  
Winch Strap  
#92006







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