











### SANKALP

was formed with an idea to achieve an objective as a vow to self. Long-term partnership with our customers, their satisfaction and trust in us are the heart of everything we do.

Hand in hand with our employees we intend to use the success of the recent years to lead the group of companies into a continuing economically healthy future.

In that way we want to take advantage of the opportunity to be a reliable partner for our customers and to work on the improvement of our performance.

GROWTH
ACHIEVEMENT
WORK
WOTIVATION
SALES



Sankalp Safety Solutions is a forward integration by N. C. Corporation. N. C. Corporation was formed in India in 1957 by Late. Shri Mr. Chandrakant R Mehta. After 24 successful years, the reins of the corporation were handed over to his son Mr. Nimesh C Mehta. The proprietor with 35 years of experience is a leading manufacturer in India, initially was into specialized industry tapes and then in 2009 moved to heavy cargo belts. Manufacturing webbing by using Polyester, Dyneema and Kevlar Yarn made on a high tech needle loom machine for weaving to manufacture from 10mm upto 300mm width. Our production installed capacity is more than 290 metric tons webbing per month. The focus on service and quality with innovation has made it a leading manufacturer in the material handling world. With immense success in Manufacturing of Polyester Webbing the thought to provide a finished product and the determination and desire to achieve definite intention FOR THE PEOPLE, BY THE PEOPLE "SANAKLP" was formed with a positive vision. SANKALP a stitching unit was formed along with Mr. Praveen Trivedi .We owe manufacturing unit at three different locations spread over an area of 95000 sqft. with a strength of above well trained and qualified employees and the largest capacity of over 3,400 metric ton per annum. With 76 heavy duty stitching machine in our possession produce over 90,000 pcs of web slings in a month .The capacity of ROUND Slings is upto 300 metric ton. We hold an expertise in manufacturing and supplying an extensive array of MATERIAL HANDLING PRODUCTS range include Polyester Web Sling Belt, Polyester Round Sling, Ratchet Cargo Lashing, Flat Web Sling and these are designed and fabricated with defined International quality EN standards and are widely appreciated in the market for their outstanding attributes like sturdiness, high strength, excellent tolerance and durable finish standards. We believe in uncompromising product quality, outstanding customer service & technology .We live by our slogan, "LIFTS YOUR TRUST". Trust and be with us and, see the change in your business style along with SANKALP.

TO BECOME A MAN OF VALUE RATHER THAN BECOMING
THE MAN OF SUCCESS.
N.G.CORPORATION





YARN STOCK



**WEAVING MACHINE UNIT** 



**DYEING AREA** 



PRINTING AREA



**CUTTING AREA** 



**MEASURING AREA** 





**ROLLING AREA** 



**STITCHING UNIT** 



**INSPECTION AREA** 



STRAPING AREA



SHRINKING AREA



**ROUND SLING UNIT** 





#### Certificate of Registration

#### SANKALP SAFETY SOLUTION.

o. 12, Survey No. 824/4, Bachu Bhai Industrial Area Near Bido Naka, Village Mahim Palghar (W) Maharashtra (India)

has been assessed and Certified by Otabu Certification Limited as meeting the requirements of:

ISO 9001:2015

Quality Management System
For the following scope of activities:
Inaufacture, Design and Supply of Narrow Moven Fabrics, Polyester Web
Slings, Polyester Round Slings, Carpo Ratchet Lashing, Multi Legged
Slings, Safety Harnesses, Fall Protection Equipments, Ropes &
Safety Wark Wear\*

Date of Registration

1st Surveillance Due

2nd Surveillance Due

Recertification due Gui

07th June 2016 06th June 2017 06th June 2018 06th June 2019







#### Otabu Certification Limited (UK)

Suite 48, 88-90 Hatton Garden, London, ECIN 8PN, UK





#### Certificate of Compliance







Otabu Certification Limited (UK) Suite 48, 88-90 Hatton Garden, London, EC1N 8PN, UK





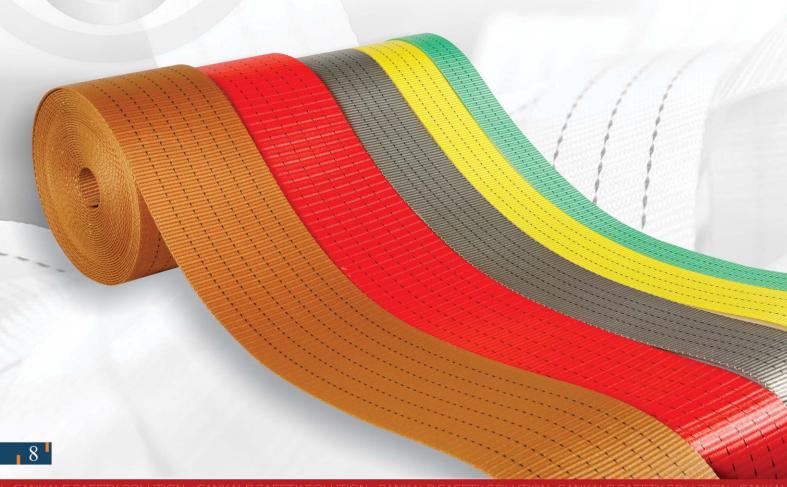
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# NARROW WOVEN FABRICS



Polyester is a synthetic (man made) material that is extremely light weight and when made into lifting slings makes a very cost effective lifting sling. The material is soft to touch and therefore is less likely to cause damage to the goods when they are lifted and will not cause the type of injuries to the user associated with wire rope sling. Synthetic polyester (fibre material) slings are much lighter weight than both wire rope or chain slings and therefore this type of lifting sling is much easier to handle along with greater factor of safety.





SANKALP manufacture Polyester Web Slings from 100% heavy duty high tenacity polyester yarn and produce each sling with the following specifications (dependent on requirements)

- 25mm upto 300mm widths
- 250kg upto 48,000kg
- Colour coded according to tonnage and to the relevant standard
- We recommend Wear Sleeves where sharp edges occur Colour coded according to tonnage
- Factor of Safety 4:1 TO 8:1
- The maximum Elongation permitted is only 3% at WLL Temp. Range: -40C to +100C
- Polyester can deal with weaker acids and, oil and grease.
- Individual serial number is printed on a blue label along with length, swl, mode factors.
- UV-resistant, helps prolong the life of the webbing
- Manufactured as per EN Standard , IS Standard , and ASME Standard



### SANKALP



Item Code	S.W.L (Kgs.)	Color Code	Width (MM)	No. of Ply	Straight Lift	Chocked Lift	Basket Lift
						b	
SPWS - 01	1000	VOILET	25	2	1000	800	2000
SPWS - 02	2000	GREEN	50	2	2000	1600	4000
SPWS - 03	3000	YELLOW	75	2	3000	2400	6000
SPWS - 04	4000	GREY	100	2	4000	3200	8000
SPWS - 05	5000	RED	125	2	5000	4000	10000
SPWS - 06	6000	BROWN	150	2	6000	4800	12000
SPWS - 08	8000	BLUE	200	2	8000	6400	16000
SPWS - 10	10000	ORANGE	250	2	10000	8000	20000
SPWS - 12	12000	ORANGE	300	2	12000	9600	24000
SPWS - 15	15000	ORANGE	250	3	15000	12000	30000
SPWS - 16	16000	ORANGE	200	4	16000	12800	32000
SPWS - 20	20000	ORANGE	250	4	20000	16000	40000
SPWS - 24	24000	ORANGE	300	4	24000	19200	48000





Polyester Web Slings offers several attractive features which promote their popularity among rigging products. They are often selected when expensive, highly polished, fragile or delicate loads must be lifted. The softness of the web will not mar, deface or scratch loads, while its flexibility assures a firm, secure grip around the item being lifted. The light weight of the material, combined with superb flexibility allow the slings to be quickly and safely handled by riggers.

Web Slings have the ability to elongate, absorbing and minimizing the effects of heavy shock loads. Nylon slings may stretch 6-8% at rated capacity, while polyester slings limit stretch to approximately 3% under similar circumstances. Long life cycles may be experienced since synthetic web is unaffected by moisture, mildew, rot and certain chemicals. Polyester should be used in the presence of acids and nylon should be used where alkalis exist.

Polyester web slings are manufactured from light or heavy duty material that has been surface "treated" to improve abrasion resistance, seal out moisture, and prevent grit from penetrating the web and causing internal wear. Slings can be fabricated from single or multiple plies, may include accessories such as edgeguard, wear pads or sleeves, and are available in several configurations:

#### Type 1

Triangle & Choker (TC) - Hardware on each end produces the most effective choker hitch. Can also be used in vertical and basket hitches.

#### Type 2

Triangle & Triangle (TT) - Hardware on each end for use in basket or vertical hitch.

#### Type 3

Flat Eye & Eye (EE) - Popular, versatile sling used in vertical, choker & basket hitches. Easy to remove from underneath loads.

#### Type 4

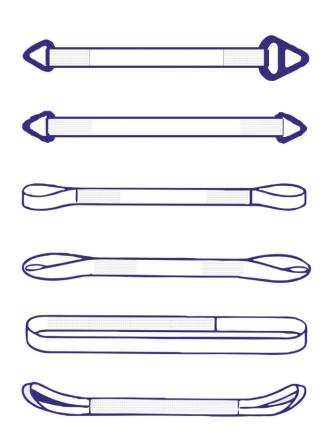
Twisted Eye & Eye (EE) - Eyes turned at a right angle to sling body. Forms superior choker hitch & allows better fit on crane hook in basket hitch.

#### Type 5

Endless (EN) - Economical & adaptable sling with no fixed wear points. Used in all hitches.

#### Type 6

Reversed Eye (RE) - Extremely strong & durable for continuous &/or abusive applications. Wear pads on both sides of body.





### **Every Lift Uses 1 of 3 Basic Hitches**



#### **Vertical Hitch**

This hitch is made directly from the crane hook to the load, usually attached by means of a hook.



#### **Choker Hitch**

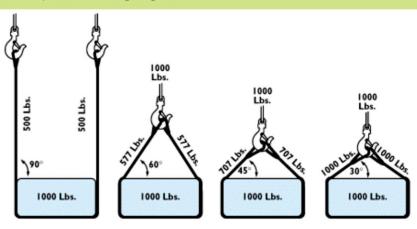
The sling passes entirely around the load with one loop passing through the other to form a slip noose or "choker".



#### **Basket Hitch**

This hitch is made by passing the sling under the load and having both eyes going to the crane hook

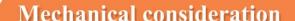
Sling angles have a direct and oftentimes dramatic affect on the rated capacity of a sling. This angle, which is measured between a horizontal line and the sling leg or body, may apply to a single leg sling in an angled vertical or basket hitch, or to a multi-legged bridle sling. Anytime pull is exerted at an angle on a leg, the tension or stress on each leg is increased. To illustrate, each sling leg in a vertical basket hitch absorbs 500 lbs. of stress from a 1,000 lb. load. The same load, when lifted in a 60 degree basket hitch, exerts 577 lbs. of tension on each leg. It is critical therefore, that rated capacities be reduced to account for sling angles. Angles less than 45 degrees are not recommended and those below 30 degrees should be avoided whenever possible. Use the formula and chart shown below to calculate the reduction in rated capacities caused by various sling angles.







Sling Angles in Degrees	Factor	Sling Angles in Degrees	Factor
15	.259	55	.819
20	.342	60	.866
25	.423	65	.906
30	.500	70	.940
35	.574	75	.966
40	.643	80	.985
45	.707	85	.996
50	.766	90	1.000



- Determine weight of the load.
- Select sling having suitable characteristics for the type of load, hitch and environment.
- Slings shall not be loaded in excess of the rated capacity. Consideration should be given to sling angles, which are discussed below.
- Slings with fittings used in a choker hitch shall be of sufficient length to assure that the choking action is on the webbing.
- Slings used in a basket hitch shall have the load balanced to prevent slippage.
- Slings shall not be dragged on the floor or over an abrasive surface.
- Slings shall not be twisted or tied into knots, or joined by knotting.
- Slings shall not be pulled from under loads when the load is resting on the sling.
- Slings shall always be protected from being cut by sharp corners, sharp edges, protrusions or abrasive surfaces.
- Do not drop slings equipped with metal fittings.
- The opening in fittings shall be the proper shape and size to insure that the fitting will seat properly in the hook or other attachment

#### **Environment consideration**

- Chemically active environments can affect the strength of synthetic web slings in varying degrees ranging from none to total degradation. The sling manufacturer should be consulted before using slings in chemically active environments.
- Polyester is resistant to many acids, but is subject to degradation ranging from none to moderate in some acids.
- Polyester is subject to degradation in alkalis, ranging from none to total degradation.
- Polyester slings shall not be used at temperatures in excess of 194 degree F (90 degree C), however, they may be used in temperatures as low as -40 degree F (-40 degree C).
- Slings incorporating aluminum fittings shall not be used where fumes, vapors, sprays, mists or liquids of alkalis and/or acids are present.



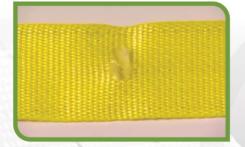
### **IDENTIFICTION OF WEAR & TEAR OF SLINGS**



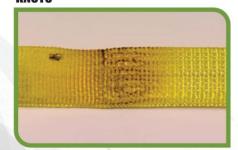


**CUTS** 

**KNOTS** 



HOLE



**MELTING OR CHEMICAL DAMAGE** 



**TEARS, SNAGS AND ABRASIONS** 



**WORN OR BROKEN STITCHING** 



**WEAK OR EXCESSIVELY RUGGED** 

IF ANY OF THESE PROBLEMS OCCUR IN POLYESTER SLINGS THEY SHOULD BE REMOVED FROM SERVICE IMMEDIATELY.

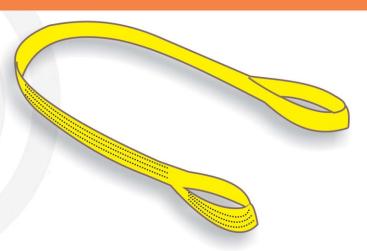
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# SIMPLEX WEB SLING



Single layer of webbing or 1 Ply polyester lifting sling, available with in various eye types and widths.

- 25mm upto 300mm widths
- 500kg upto 6000kg
- Available with or without Woven tonnage stripes
- Becket Eyes with Eye protection / Flat Eyes / Metal ends or master links



### Eye & Eye Type



		S.W.L S.W.L S.W.L S.W.L S.W.L Breaking Vertical Basket Choker 45 Deg 90 Deg Load						
Item Code	Width	Colour	)	11	, l	B	N	
	MM		M* = 1 Kgs	M = 2 Kgs	M = 0.8 Kgs	M = 1.8 Kgs	M = 1.4 Kgs	Kgs
SSWS - 0.5	25	VOILET	500	1000	400	900	700	3500
SSWS - 01	50	GREEN	1000	2000	800	1800	1400	7000
SSWS - 1.5	75	YELLOW	1500	3000	1200	2700	2100	10500
SSWS - 02	100	GREY	2000	4000	1600	3600	2800	14000
SSWS - 2.5	125	RED	2500	5000	2000	4500	3500	17500
SSWS - 0.3	150	BROWN	3000	6000	2400	5400	4200	21000
SSWS - 04	200	BLUE	4000	8000	3200	7200	5600	28000
SSWS - 05	250	ORANGE	5000	10000	4000	9000	7000	35000
SSWS - 06	300	ORANGE	6000	12000	4800	10800	8400	42000



# DUPLEX SLING



Two layers of webbing or 2 Ply polyester lifting sling, available with in various eye types and widths.

- 25mm upto 300mm widths
- 1000kg upto 12000kg
- Available with or without Woven tonnage stripes
- Becket Eyes with Eye protection / Flat Eyes / Metal ends or master links





							CAPA		
				S.W.L Vertical	S.W.L Basket	S.W.L Choker	S.W.L 45 Deg	S.W.L 90 Deg	Breaking Load
Item (	Code	Width	Colour		U	8	B	7	
		MM		M* = 1 Kgs	M = 2 Kgs	M = 0.8 Kgs	M = 1.8 Kgs	M = 1.4 Kgs	Kgs
SDW	S - 01	25	VOILET	1000	2000	800	1800	1400	7000
SDWS	S - 02	50	GREEN	2000	4000	1600	3600	2800	14000
SDW	S - 03	75	YELLOW	3000	6000	2400	5400	4200	21000
SDW	S - 04	100	GREY	4000	8000	3200	7200	5600	28000
SDWS	S - 05	125	RED	5000	10000	4000	9000	7000	35000
SDWS	S - 06	150	BROWN	6000	12000	4800	10800	8400	42000
SDWS	S - 08	200	BLUE	8000	16000	6400	14400	11200	56000
SDWS	S - 10	250	ORANGE	10000	20000	8000	18000	14000	70000
SDW	S -12	300	ORANGE	12000	24000	9600	21600	16800	84000

# TRIPLEX WEB SLING







- 25mm upto 300mm widths
- 1500kg upto 18000kg
- Available with or without Woven tonnage stripes
- Becket Eyes with Eye protection / Flat Eyes / Metal ends or master links





			S.W.L	S.W.L	S.W.L	CAPA S.W.L	Breaking	
			Vertical	Basket	Choker	45 Deg	S.W.L 90 Deg	Load
Item Code	Width	Colour		U	8	B	>	
	MM		M* = 1 Kgs	M = 2 Kgs	M = 0.8 Kgs	M = 1.8 Kgs	M = 1.4 Kgs	Kgs
STWS- 1.5	25	VOILET	1500	3000	1200	2700	2100	10500
STWS- 03	50	GREEN	3000	6000	2400	5400	4200	21000
STWS- 4.5	75	YELLOW	4500	9000	3600	8100	6300	31500
STWS- 06	100	GREY	6000	12000	4800	10800	8400	42000
STWS- 7.5	125	RED	7500	15000	6000	13500	10500	52500
STWS- 09	150	BROWN	9000	18000	7200	16200	12600	63000
STWS- 12	200	BLUE	12000	24000	9600	21600	16800	84000
STWS- 15	250	ORANGE	15000	30000	12000	27000	21000	105000
STWS- 18	300	ORANGE	18000	36000	14400	32400	25200	126000





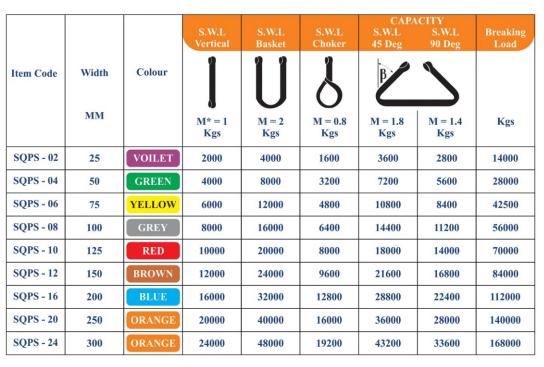


Four layers of webbing or 4 Ply polyester lifting sling, available with in various eye types and widths.

- 300mm upto 600mm widths
- 2000kg upto 24000kg
- Becket Eyes with Eye protection / Metal ends or master links







# **HEAVY DUTY WEB SLINGS** (SIX PLY & EIGHT PLY)



These mammoth goods act differently and need special care to be lifted. These special goods need nothing less than Sankalp MSlings. These slings are available with flat eye, Twisted eye and half eye.

Six and Eight layers of webbings or 6 Ply and 8 ply polyester lifting sling, available with in various eye types and widths.

- 25mm upto 300mm widths
- 2000kg upto 24000kg
- Becket Eyes with Eye protection / Metal ends or master links.





Item Code	Colour	SWL Kgs	Width MM	No. of Ply		b	$\triangle$
SHPS - 01	VOILET	1000	25	2	1000	800	2000
SHPS - 02	GREEN	2000	50	2	2000	1600	4000
SHPS - 03	YELLOW	3000	75	2	3000	2400	6000
SHPS - 04	GREY	4000	100	2	4000	3200	8000
SHPS - 05	RED	5000	125	2	5000	4000	10000
SHPS - 06	BROWN	6000	150	2	6000	4800	12000
SHPS - 08	BLUE	8000	200	2	8000	6400	16000
SHPS - 10	ORANGE	10000	250	2	10000	8000	20000
SHPS - 12	ORANGE	12000	300	2	12000	9600	24000
SHPS - 15	ORANGE	15000	250	3	15000	12000	30000
SHPS - 16	ORANGE	16000	200	4	16000	12800	32000
SHPS - 20	ORANGE	20000	250	4	20000	16000	40000
SHPS - 24	ORANGE	24000	300	4	24000	19200	48000



### FLAT ENDLESS SLING



Sankalp manufactures flat webbing slings from polyester webbing which are most popular and versatile of the slings. These slings consist of webbing which is either sewn to each other at end or woven endless without sewn. These slings are specially used in lifting 'Pipe Bundles' which are manufactured for export purposes. It is the most economical, safe & efficient mode of lifting.

- 25mm upto 300mm widths
- 500kg upto 12000kg
- Available with or without Woven tonnage stripes

#### THESE SLINGS HAVE THE FOLLOWING ADVANTAGES:

- Low weight, therefore offering easy handling
- Protection against hand injuries
- Protection against cargo surface damage
- Highly flexible and adaptable to given shapes
- UV-resistant, eliminating material ageing or brittlement
- Heat resistant upto 100°C
- Water resistant fabric, preventing frost damage (down to -40°C)
- Colour coded as per latest EN standard
- Soft sewn eyes (Flat, Becket or Reverse eyes)
- Low elongation













#### ENDLESS ROUNDSLINGS

Round Slings are made with Multiple High tenacity polyester yarns covered in a jacket. Polyester Round Slings are made with Polyester yarns and a seamless double Polyester.

Round Slings have a high strength to weight ratio, which provides an extremely flexible and light weight lifting sling with low elongation. Our Super Slingers are a High Performance round sling available with Dyneema high performance yarns or EHP (Engineered Hybrid Power) high performance yarns. Covers for Super Slingers are available in Nylon Double seamless cover or Dyneema cover.





Item Code	Colour Code	SWL (Kgs)	Straight Lift	Chocked Lift	Basket Lift
				8	$\triangle$
SPRS - 01	VOILET	1000	1000	800	2000
SPRS - 02	GREEN	2000	2000	1600	4000
SPRS - 03	YELLOW	3000	3000	2400	6000
SPRS - 04	GREY	4000	4000	3200	8000
SPRS - 05	RED	5000	5000	4000	10000
SPRS - 06	BROWN	6000	6000	4800	12000
SPRS - 08	BLUE	8000	8000	6400	16000
SPRS - 10	ORANGE	10000	10000	8000	20000
SPRS - 25	ORANGE	25000	25000	20000	50000
SPRS - 50	ORANGE	50000	50000	40000	100000
SPRS - 100	ORANGE	100000	100000	80000	200000
SPRS - 150	ORANGE	150000	150000	120000	300000
SPRS - 200	ORANGE	200000	200000	160000	400000

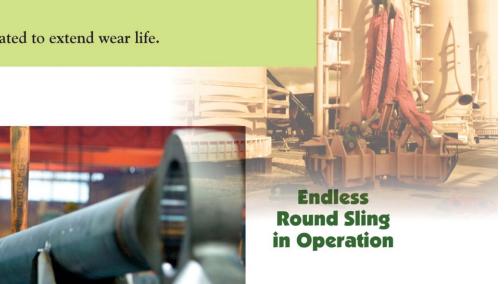
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# POLYESTER ROUND SLING

### **Round Sling Features**

- The most flexible sling available
- The sling conforms to the load extremely well, and provides the best choker hold
- Hook and load contact points can be continually rotated to extend the service lift of the sling
- Longer sling life means cost reduction in sling purchases
- The load bearing fibre never comes into contact with the load
- Protection to the load from sling damage
- Seamless cover, no edges to wear out
- Soft cover won't mar painted or polished surfaces or cut hands.
- Wide variety of sling lengths and load capacities
- Adapts to all types, sizes, and load configurations
- Light weight, easy to rig, store, and clean
- Excellent resistance to ultra-violet light, rot and mildew
- No loss of strength in water
- Only 3% elongation on Polyester Rounds and only 1% on high performance rounds
- Saves time, money and promotes safety in the workplace.
- Good up to 194° F.
- Endless Roundslings can be rotated to extend wear life.





Single, Two Leg & Four Leg Slings Can Be Made. We Can Use Customers Own Fittings Or Supply Them Ourselves.



### EYE TYPE ROUND SLINGS



Polyester Eye and Eye Round Slings are strong and versatile. They work exceptionally well in choker, vertical or basket hitches. SANKALP Polyester Eye and Eye Round Slings feature a jacket that covers the sling body forming a loop, or eyes, at each end. This construction makes polyester eye and eye round slings ideal for applications that expose the sling to additional wear and tear.

SANKALP Polyester Eye and Eye Round Slings are made with strands of polyester yarn enclosed in a tough two-ply woven tubular polyester jacket. SANKALP jacket provides an additional layer of protection against abrasion. All round slings are color coated to indicated load capacity. They come with a durable tag for easy identification. SANKALP Polyester Eye and Eye Round Slings are manufactured in EN 1492-2 and ASME B30.9 Standards.



#### EYE AND EYE SLINGS

- An eye (or loop) at each end makes this type of sling ideal for use in a basket hitch.
- This sling type can be used in a choker hitch by passing one eye around the load and through the opposite eye.
- Permits the use of wide slings on small crane hooks.
- On multi-ply slings, the bodies are stitched full length.

#### TURNED EYE SLINGS

- On slings with turned eye construction, the eye openings are on the same plane as the flat webbing.
- Turned eye slings with tapered eyes are well adapted for both basket and choker hitches.

#### PRODUCT FEATURES:

- Flexible sling
- Soft cover won't tear painted or polished surfaces or cut hands.
- Lightweight and pliable for easy rigging and storage.
- Resistant to acids, ultra violet rays, rot and mildew.
- Heat resistant upto 194° F.
- Endless Roundslings can be rotated to extend wear life.





### **MULTI LEGGED SLING**





Polyester Webbing Slings, Multi Leg Polyester Slings are made of using either flat webbing slings straps or endless type round slings as per specific requirements depending upon uses and safe working loads. A set of polyester flat webbing slings, multi leg polyester slings includes master link, auxiliary links and different end fittings like eye hooks, swivel hooks, D-Shackles or Bow - Shackles as per required. All these fittings are made of quenched and tempered alloy steel grade-80 material. Flat Slings are stitched directly to the metal ring while endless round slings are attached with connecting links.

Anti-abrasive and Anti-cutting protection sleeves can be fitted as per specific requirements.

#### FEATURES

- Made of either flat webbing or endless round slings
- Multi bridle available as 2 leg, 3 leg and 4 leg
- High strength to weight ratio
- Colour coded for identification
- Anti-abrasion sleeves and anti cutting sleeves protection
- Different end fittings available
- Only hooks and link are metal components.
- Conform fully to European Standard EN 1492-2.



M= MODE		MULT	ULTI LEG SLING CAPACITY AT 90°					
FACTOR			SWL	SWL	SWL			
ITEM CODE	WIDTH	COLOUR	2 LEG SLING	3 LEG SLING	4 LEG SLING			
	MM		TON	TON	TON			
SMLS - 1	25	VOILET	1.4	2.1	2.8			
SMLS - 2	50	GREEN	2.8	4.2	5.6			
SMLS - 3	75	YELLOW	4.2	6.3	8.4			
SMLS - 4	100	GREY	5.6	8.4	11.2			
SMLS - 5	125	RED	7.0	10.5	14.0			
SMLS - 6	150	BROWN	8.4	12.6	16.8			
SMLS - 8	200	BLUE	11.2	16.8	22.4			
SMLS - 10	250	ORANGE	14.0	21.0	28.0			
SMLS - 12	300	ORANGE	16.8	25.2	33.6			



# **MULTI LEGGED SLING**

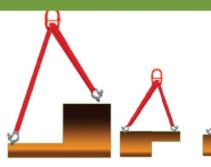
#### SAFE WORKING LOAD ANGLES

- The Safe Working Load values quoted in the tables have been rated using the uniform load method for a maximum angle for each leg of 45 degrees from the vertical, as shown in the diagrams. Slings may be rated at greater angles if required, please contact SANKALP for details.
- The textile elements of these Slings have a minimum Safety Factor of 7:1 and the metal elements a Safety Factor of 4:1



Self adjusting to centre of gravity for lifting non uniforms loads

- All specs as of Round Slings
- The heavy end should have double end



Code	Capacity	Dia	Shackle Bow
SALS 3	3 Tons	16 mm	3.2 Ton
SALS 5	5.5 Tons	22 mm	6.3 Ton
SALS 10	9.1 Tons	28 mm	12 Ton
SALS 20	18.2 Tons	40 mm	25 Ton
SALS 30	28 Tons	45 mm	35 Ton
SALS 45	41 Tons	57 mm	55 Ton

25<sub>1</sub>





We are offering our clients a wide range of Polyester Bag Slings that find application in manufacturing and other related industries. These Polyester Bag Slings offered in various shapes and sizes, have various lifting capacities. Renowned for reliability and non-corrosive nature, these Polyester Bag Slings can be custom designed as per the client's specific requirements.

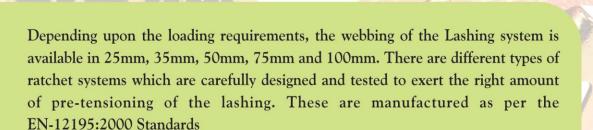


Sr. No.	Width of Sling Item Code (Capacity Wise)					
	(mm.)	(Inch.)	(2 Ton.)	(3 Ton.)	(4 Ton.)	(5 Ton.)
1.	200	8	SBS- 08- 2T	SBS- 08- 3T	SBS- 08- 4T	SBS- 08- 5T
2.	250	10	SBS- 10- 2T	SBS- 10- 3T	SBS- 10- 4T	SBS- 10- 5T
3.	300	12	SBS- 12- 2T	SBS- 12- 3T	SBS- 12- 4T	SBS- 12- 5T
4.	350	14	SBS- 14- 2T	SBS- 14- 3T	SBS- 14- 4T	SBS- 14- 5T
5.	400	16	SBS- 16- 2T	SBS- 16- 3T	SBS- 16- 4T	SBS- 16- 5T
6.	500	20	SBS- 20- 2T	SBS- 20- 3T	SBS- 20- 4T	SBS- 20- 5T
7.	800	32	SBS- 32- 2T	SBS- 32- 3T	SBS- 32- 4T	SBS- 32- 5T



### **CARGO RATCHET LASHING**

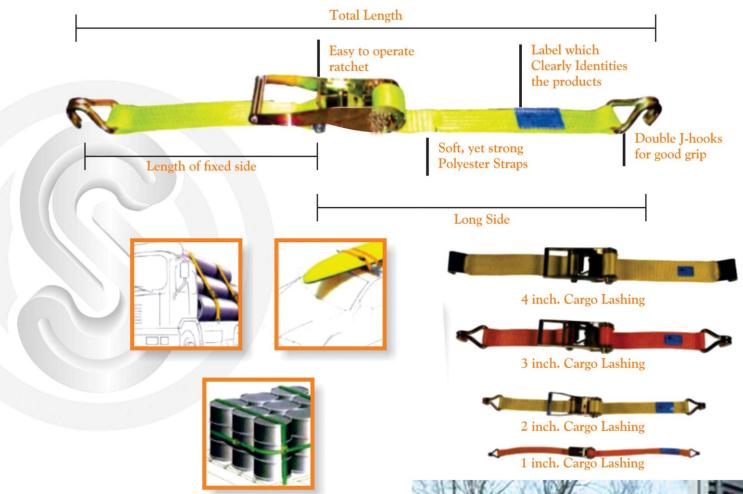
Ratchet lashings are used to fix the cargo while transporting, shifting or moving storage. It being more secure, reliable and much lighter in weight as compared to chains, wires and jute ropes which were traditionally used, it has become a more reliable method of securing all types of load across an entire spectrum of requirements. It also offers a significant advantage over steel banding, the latter being much heavier and more prone to damaging the finished goods, it provides a superior level of cargo control through high pre-tensioning.



SANKALP

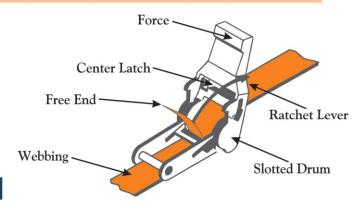
## CARGO RATCHET LASHING





#### FEATURES:

- It is reusable and light weight
- These have high resistance against abrasion
- Excellent ability to absorb shocks







### **RATCHET ENDLESS LASHING**

Ratchet Endless lashing system comprises of a tensioning device which is attached to the webbing. It is used for bundling purpose. This system can be provided in 25mm to 75mm and any lengths.

As one of the countries leading load restraint manufacturers the Company is also pleased to offer a bespoke service that can quickly produce lashings with alternative; lengths, end fittings, ratchets or webbing to order. WEBBING CAN ALSO BE CUSTOMER PRINTED WITH YOUR COMPANY LOGO OR OTHER DESIGN

#### IT FEATURES:

- Double locking long wide handle ratchet and high tenacity polyester webbing.
- Can be ordered and supplied to any length.
- Bespoke service that can quickly produce lashings with alternative; lengths, end fittings, ratchets or webbing to order.
- Webbing can also be customer printed with your company logo or other design.
- Compliant with EN12195-2: 2001, the European load restraint standard.

All this, added to the long experience in this sector, we are able to say that we do not only sell lashing systems, we produce safety and serenity/relief for the lashing of loads



BREAK FORCE -800KG TO 10000KG

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SANKAL

### CAR LASHING/WHEEL LASHING





We manufacture all types of lashing systems for cars , tractors & trucks. We are expert in designing systems for lashing for domestic & export transportation. Our lashing systems are pre stretched for less loosening while transit & are manufactured as per EN 12195-2 Standards.

For Safe vehicle transport by lashing-down all wheels. Equipment with wheel-protection belt prevents damage to the wheel carcass. Short and direct connection between vehicle and whatever is transporting it. Variable, can be used for different wheel sizes.

The offered lashings are manufactured with the help of premium grade material and contemporary machines in compliance with set industry norms. Further, these are strictly checked on different quality parameters assuring their flawlessness at user's end.

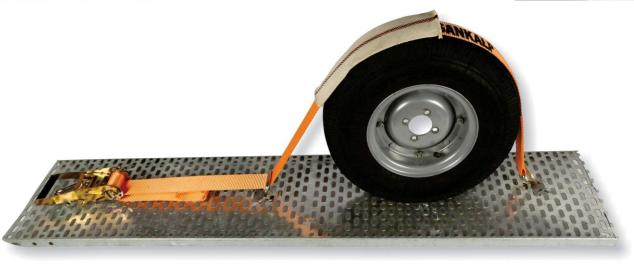
#### FEATURES

- Tear resistance
- Flexible
- Durability







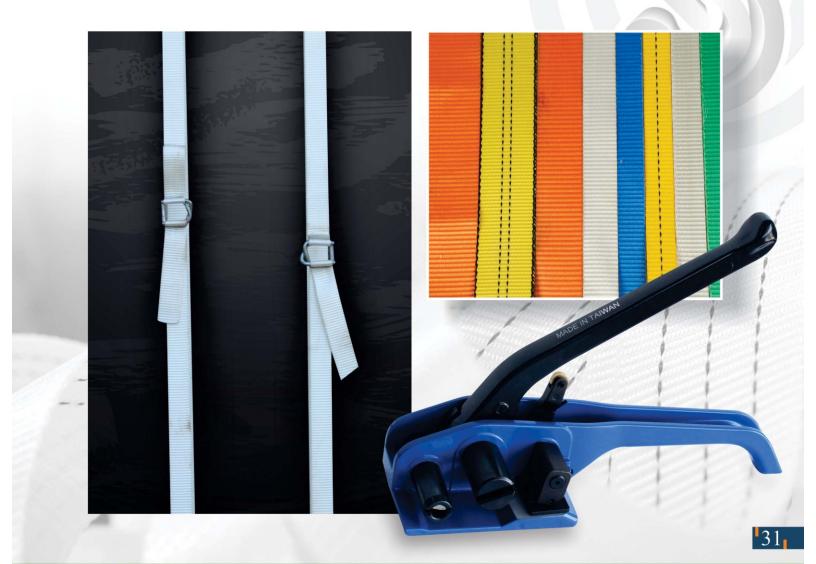




## ONE WAY LASHING

We are offering a wide range of one way lashing solutions. These are offered in form of webbing from very high tenacity polyester yarn, they replace conventional load restraint products like steel strapping, wire ropes, chains, ratchet straps etc. & also reduces the use of dunnage woods. The webbing structure of woven lashing makes it easy to use & hence enhances the performance of users.

One way Lashing that is an ideal substitute to usual cargo tie down. These lashings are manufactured by an experienced team of professionals, with in-depth knowledge about the latest trends prevailing in the industry. In addition to this, these can be customized as per the need of clients.



### **ONE WAY LASHING**





#### FEATURES:

- High tensile strength
- High load bearing capacity
- Excellent finish



- One trip Straps or One way lashing is a substitute to usual cargo tie down. Cargo Straps are vulnerable to theft, single way strapping eliminate this. It stops the required to take lots of unreliable length of cargo straps.
- We present a huge series of one way strapping, with one way buckles in pushed steel, wire and fall forge. One Way hooks and tensioners. We can also provide webbing in 30 mm 35 mm 40 mm and 50 mm proper for these buckles.
- One way lashings are finest resolution for Container pouring where the Lashing method would not be next back and reduce price of Tensioners









### **CARGO NET**



We manufacture a wide variety of Cargo nets fabricated from polyester webbing. Made with utmost care, they are available in various sizes and width. Versatile in nature these nets can also be fabricated as per customer requirements and specifications used in military cargo control to aviation, also used in ports to handle sand, foodgrains, longs, pallets, heavy materials etc. cargo nets have proven to be the most effective means of limiting load shift than any other form of cargo control.







**3**3

### **ANTI ABRASIVE SLEEVE**







We have gained international acclaim due to our strict qualitative parameters in the manufacturing of these products. We offer a distinct range of Anti Abrasive Sleeves that is manufactured with premium quality raw materials.

Counted as one of the renowned organization, we are involved in offering a wide assortment of Anti Abrasive Sleeves. These are one of the most favored selections of clients owing to its unmatched quality, accurate dimensions and robustness. Our products are acclaimed for their user friendly application and reliability. Following the requirements of clients, we offer these devices in various technical specifications.

To prevent any accident due to sling failure, it is of upmost importance to provide sufficient padding to the edges and abrasive surfaces. This padding is made from a woven fabric or other material to provide extra protection to the sling without having any effect on its strength. The main purpose to use a wear protection or a sleeve is to basically increase the lift of the sling.

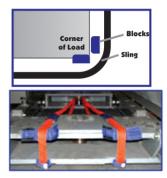
#### WEAR PROTECTION

The number one cause of synthetic sling failure is cutting as slings are not used as per the guidelines. When slings are cut, property damage and personal injury or death can result. Wear pads can help to reduce this problem by acting as a buffer between the load edge and the sling.

#### FEATURES, ADVANTAGES AND BENEFITS

- Promotes Safety
- Helps prevent sling cutting that can cause property damage, personal injury or death.
- Saves Money
- Protects both sling and load from damage
- Increases sling life
- User friendly design
- Easy and accurate clamping
- Maximum protection





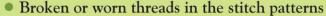


### **ANTI ABRASIVE SLEEVE**

#### INSPECTION OF WEAR PADS

If pad is damaged, the sling may also be damaged. Inspect both thoroughly and check slings for:

- Cuts on the face or edge of webbing
- Holes, tears, snags or crushed web
- Signs of excessive abrasive wear





Sleeves with velcro

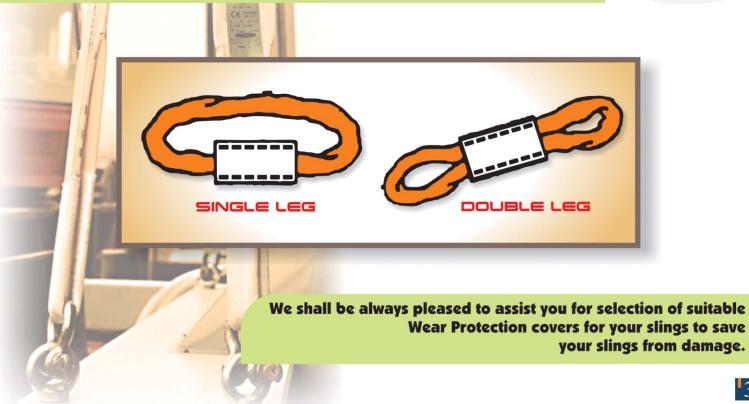
#### We also offer sleeves with velcro.

#### SAFE OPERATING PRACTICES

The sliding of slings along a load edge is a major cause of cutting. Loads must be rigged to prevent this. We recommend that, prior to making a lift, the load be raised slightly, then lowered so that the wear pads can be inspected for damage. If pads show evidence of cutting, the lift should be tested again using different pad material.

WHILE ORDERING WITH ROUND SLINGS, REMEMBER TO CONFIRM IF YOU NEED SINGLE LEG OR DOUBLE LEG SLING COVER ON YOUR SLING.





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### **ANTI CUT SLEEVES**





Sankalp provides polyurethane sleeve to lift almost anything. Ultra sharp edges are now easiest job for synthetic slings. Available for both Round Sling and Flat Webbing Slings for load upto 300 Ton. These sleeves stick to the job and are extremely cut resistant to be used for super sharp cut jobs. These are ideal for Steel coils, sheets or any other object having very sharp edges. It enhances the life of polyester slings.

Its available in square, round or square with round edges type sleeves which are movable on the slings. These are also available in permanent coating type layer on slings in low, medium & high variable coatings according to client's specific requirements.

These Anti cut sleeves are smooth yet the most robust anti-cut sleeves. These sleeves also available in different shapes and sizes as per customized requirement in movable hose like, Velcro type or stitched with other anti-abrasive sleeves.

#### FE*A*TURES

- Extreme Cut Resistant
- Wear & Abrasion Resistant
- Smooth Goods Handling
- Light Weight For Excellent Handling And Optimum Work Safety
- Ideal For Lifting Objects With Sharp Edges Such As Coils Or Machineries
- Long Life No Aging







# CAM BUCKLE LASHING



Cam Buckles are the easiest and most secure way to tie down the load, inside cars or trucks, or on top of the vehicle. Polyester Webbing and a Cam Buckle combine for a working load of 330 lbs. These lashing straps are excellent for light duty hauling.

This lashing is manufactured to order and can be supplied to any length.

Where applicable all lashings and straps are fully compliant with EN12195-2: 2001, the European load restraint Standard.

#### FEATURES:

- Alloy press release cam buckle
- 25mm width high-tenacity polyester webbing
- 250 daN lashing capacity (LC)
- 500 kg break force (BF)
- Manufactured to order
- Cast steel buckle with grip teeth to secure the load and quick release trigger.





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### **TOWING SLING**





Suitable for any debogging application as they are made from either polyester webbing with sewn eyes or as a lightweight round sling. Each sling is available with a webbing or Tubular protective cover in the middle, Polyester eyes. It quickly attaches to a vehicle using either a shackle or has a sewn in hook each end.

#### FEATURES

- Promotes safety
- No dangerous hooks or metal parts
- Absorbs the energy of sudden loading
- Saves time
- Saves money
- Lightweight, flexible, easy to use and store.



# DO NOT EXCEED TOWING CAPACITY SAFE OPERATING PRACTICES

- Do not use a damaged or defective strap
- Do not tie knots in strap
- Always protect straps from being cut by corners
- Do not attach to bumpers and hot exhaust systems
- Avoid dragging the sling along the ground
- The strap will be permanently damaged if exposed to temperatures in excess of 100°F.

Inspection Criteria for slings – inspect before each using and remove from service if any of the following are visible:

- Cuts on the face or edge of webbing
- Holes, tears, snags or crushed web
- Signs of excessive abrasive wear edges.
- Broken or worn threads in the stitch patterns
- Any other visible damage which will cause the sling to loose its strength.





Sankalp manufactures pipe lowering belt used for handling pipes at the job site, lowering pipe into the trench from side boom tractors, and holding pipe that goes in and out of pipe bending machines.

#### FEATURES

- Heavy duty polyester webbing for durability and strength
- Steel end irons for greater strength with less weight
- Plastic tag with clear protective cover to protect data
- End irons painted Belts used around the world, in all types of climates, in sizes upto 60" diameter pipe
- Lowering-in Belt and Head Iron sold separately capacity from 20 ton to 60 ton



Extra wide webbing sling for wide-bodied loads



Pipe Laying Sling

## **METAL FITTINGS**



We are involved in manufacturing and supplying a premium quality range of steel hooks with the use of high quality raw materials and latest technology. These hooks are designed in conformity with the defined industry standards. These are further stringently checked on defined industry parameters to ensure the supply of a defect free range to our customers. For the maximum satisfaction, we also customize our range as per the specifications detailed by the customers.



### **Drum Sling & Drum Lifter**

Drum slings and drum lifters move 55 gallon drums effortlessly and efficiently. Choose from a harness design or one with hooks; both types of drum handling equipment are designed for use with a forklift or crane. The harness drum sling can also be used to dump or pour contents from a ribbed drum or barrel.







Horizontal

Vertical

### WE HAVE HEAVY DUTY DRUM LIFTERS FOR LIFTING DRUMS OF :-

- Chemicals
- Glue
- Welding Wires
- Food Materials
- Paints
- Sugar Industry

Lifting drums upto 3 tons is now as easy as normal operations. No need of bulky drum lifters, for attachments and lifters as a single person can handle and tilt the drum. Available in both Vertical and Horizontal type Lifting.

SANKALP Sling Type Drum Lifters are made by 100% Polyster Webbing, specially designed to lift 210 litre (55 gallon) drums vertically. Easy to use for fast lifting and repositioning of drums.

**4**1

# **GLASS LIFTING SLING**





Using these certified tough polyester incline carrying straps is a safe way to carry large pieces of glass up steps, stairs and steep inclines.

Glass lifting Sling allow the sow the sling user to maneuver and stack glass panels or wood crates in tight areas. These slings are protected from load edges by various types of wear protection material and feature side bridles for additional load control. Flat Slings are designed to fit your requirements.

Made from tough polyester with abrasion resistant resting pads, the Incline Carrying Straps include four reinforced rubber handles and a ratchet strap system that completely surrounds the load . A bespoke item .

#### KEY FEATURES:

- Total length of strap: 3.5m
- Safe
- Sling for glass
- ISO9001:2015









We manufacture web ladders upto 100 meters long with connectors to make the ladder flexible to go upto any length required. The non slip and load bearing pattern makes it best product to be used in confined spaces, mine access, scaffolding roofing, oil and gas and lowering purpose. The weight carrying capacities can go upto 2 tons so it is most ideal ladder for rescue operations, paramilitary forces and mountaineering usages. We manufacture the same in bright colors for distant locations.

#### FEATURES

- Lightweight
- Staggered rungs
- Rigid and reinforced
- Easy anchorage
- Easy installation











N.C. Corporation, Plot No. A, Survey No. 43/5 & 6, Old Satpati Road, Near Hi-tech Industrial, Valan Naka, Village Aliyali, Palghar (w) - 401404



Plot No. 12, Sr. No. 824/4, Bachu Bhai Industrial Area, Near BIDCO Naka, Village Mahim, Palghar (w) Maharashtra (INDIA) Contact: +91 9598925888, +91 8552965703 E-mail: sankalpsafety@gmail.com Website: www.sankalpsafetysolution.com

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