



SLINGS

SLINGS - WEB & WIRE ROPE



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VANGUARD STEEL LTD.



SYNTHETIC WEB SLINGS TABLE OF CONTENTS

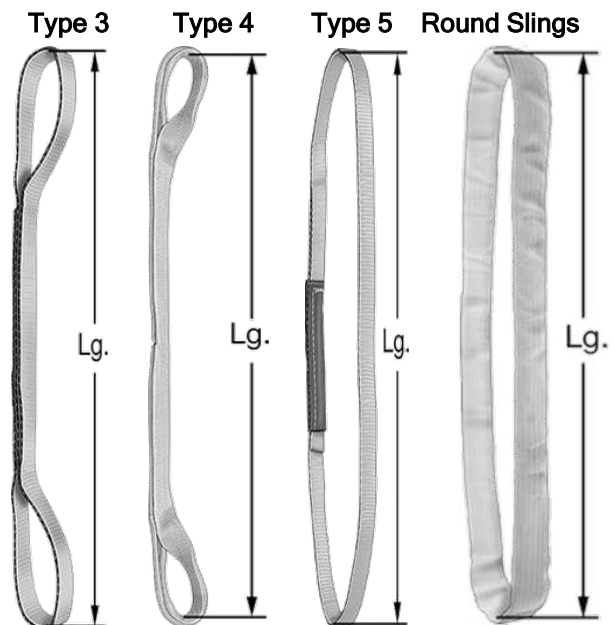
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Polyester Slings Product Codes

Flat Slings				
Single Ply				
	Vertical WLL	Width		Product Codes
Type 3	1,600	1" width		340311xxL
	3,200	2" width		340312xxL
	4,700	3" width		340313xxL
	6,200	4" width		340314xxL
Double Ply				
Type 3	3,100	1" width		340301xxL
	6,200	2" width		340302xxL
	8,800	3" width		340303xxL
	11,000	4" width		340304xxL
	16,500	6" width		340306xxL
Type 4	3,100	1" width		340401xxL
	6,200	2" width		340402xxL
	8,800	3" width		340403xxL
	11,000	4" width		340404xxL
	16,500	6" width		340406xxL
Type 5	6,200	1" width		340501xx
	12,400	2" width		340502xx
	17,600	3" width		340503xx
	22,000	4" width		340504xx

x x = Length

Round Slings			
	Vertical WLL		Product Codes
Purple	2,600		340610xxL
Green	5,300		340620xxL
Yellow	8,400		340630xxL
Tan	10,600		340640xxL
Red	13,200		340650xxL
White	17,000		340660xxL
Blue	21,200		340670xxL
Orange	25,000		340680xxL
Gray	31,000		340690xxL
Orange	40,000		340601xxL
Brown	53,000		340611xxL
Olive	66,000		340612xxL
Black	90,000		340613xxL
FX	5,300		340620xx1L



Double Ply Polyester Lifting Slings

Synthetic web slings offer a number of advantages for rigging purposes.

The web slings are a good choice where highly finished parts or delicate equipment must be protected from damage. The synthetic material has stretch and flexibility to help the slings mold to the shape of the load, gripping securely, while cushioning and absorbing shock more than that of a wire rope or chain. They are lightweight and very easy to handle.

Full Safety factor of 5 to 1

We offer these slings in various widths, lengths, and configurations









Type 3 Flat Eye and Eye c/w added eye protection to increase sling life

Type 4 Twisted Eye and Eye c/w added eye protection to increase sling life

Type 5 Endless



Rated Loads for Two-Ply Class 7 Synthetic Webbing Slings

Types I, II, III and IV								Type V
Single-Leg - Hitch Types				Two Leg - Horizontal Angles				Endless Vertical
Webbing Width (in.)	Vertical	Choker	Vertical Basket	Vertical Basket	60°	45°	30°	
								
1	3,100	2,480	6,200	6,200	5,400	4,400	3,100	6,200
1 1/2	4,700	3,760	9,400	9,400	8,100	6,600	4,700	9,400
1 3/4	5,400	4,320	10,800	10,800	9,400	7,600	5,400	10,800
2	6,200	4,960	12,400	12,400	10,700	8,800	6,200	12,400
3	8,800	7,040	17,600	17,600	15,200	12,400	8,800	17,600
4	11,000	8,800	22,000	22,000	19,100	15,600	11,000	22,000
5	13,700	10,960	27,400	27,400	23,700	19,400	13,700	27,400
6	16,500	13,200	33,000	33,000	28,600	23,000	16,500	33,000
8	22,750	18,200	42,350	45,400	36,700	29,900	22,750	42,350
10	28,400	22,720	52,900	56,800	45,800	37,400	28,400	52,900
12	34,100	27,280	63,500	68,200	55,000	44,900	34,100	63,500
Rated Capacities in Pounds								

Our Polyester slings have been tested in accordance with the requirements of ASME / ANSI B 30.9 and are made of class 7 material with a minimum certified tensile strength of 9800 lbs per inch of width.

Single Ply Polyester Lifting Slings

Synthetic web slings offer a number of advantages for rigging purposes.

The web slings are a good choice where highly finished parts or delicate equipment must be protected from damage. The synthetic material has stretch and flexibility to help the slings mold to the shape of the load, gripping securely, while cushioning and absorbing shock more than that of a wire rope or chain. They are lightweight and very easy to handle.

Full Safety factor of 5 to 1

We offer these slings in various widths, lengths, and configurations









Type 3 Flat Eye and Eye c/w added eye protection to increase sling life

Type 4 Twisted Eye and Eye c/w added eye protection to increase sling life

Type 5 Endless



Rated Loads for Single Ply Class 7 Synthetic Webbing Slings

Types I, II, III and IV								Type V
Webbing Width (in.)	Single-Leg - Hitch Types			Two Leg - Horizontal Angles				Endless Vertical
	Vertical	Choker	Vertical Basket	Vertical Basket	60°	45°	30°	
								
1	1,600	1,280	3,200	3,200	2,771	2,262	1,600	3,200
1 1/2	2,300	1,840	4,600	4,600	3,984	3,252	2,300	4,600
1 3/4	2,700	2,160	5,400	5,400	4,676	3,818	2,700	5,400
2	3,100	2,325	6,200	6,200	5,369	4,383	3,100	6,200
3	4,700	3,525	9,400	9,400	8,140	6,646	4,700	9,400
4	6,200	4,650	12,400	12,400	10,738	8,767	6,200	12,400
5	7,800	6,240	15,600	15,600	13,510	11,029	7,800	15,600
6	9,300	7,440	18,600	18,600	16,108	13,150	9,300	18,600
8	11,800	9,440	23,600	23,600	20,438	16,685	11,800	23,600
10	14,700	11,760	29,400	29,400	25,460	20,786	14,700	29,400
12	17,600	14,080	35,200	35,200	30,483	24,886	17,600	35,200

Rated Capacities in Pounds

Our Polyester slings have been tested in accordance with the requirements of ASME / ANSI B 30.9 and are made of class 7 material with a minimum certified tensile strength of 9800 lbs per inch of width.

Polyester Endless Round Slings

The most basic round sling, yet they offer great versatility.

Made from a continuous loop of polyester fibers encased in a tough double wall tubular polyester cover, they are light in weight, but high in strength, conforming well to irregularly shaped loads. Endless round slings may be used in a vertical, choker or basket type hitch.

Sling life extended through rotation of bearing points. Low stretch 3 %, at rated capacity

Round Slings are colour-coded according to work load limit.

Full Safety factor of 5 to 1



Rated Load for Single-Leg Polyester Round Slings

Item	Colour	Hitch Type			Horizontal Angle, deg.			Wt. (lbs.ft)
		Vertical	Choker	Vertical Basket	60°	45°	30°	
ENRS-1	Purple	2,600	2,080	5,200	4,500	3,700	2,600	0.20
ENRS-2	Green	5,300	4,200	10,600	9,200	7,500	5,300	0.30
ENRS-3	Yellow	8,400	6,700	16,800	14,500	11,900	8,400	0.40
ENRS-4	Tan	10,600	8,480	21,200	18,400	15,000	10,600	0.50
ENRS-5	Red	13,200	10,560	26,400	22,900	18,700	13,200	0.70
ENRS-6	White	17,000	13,400	33,600	29,100	23,800	16,800	0.80
ENRS-7	Blue	21,200	17,000	42,400	36,700	30,000	21,200	1.10
ENRS-8	Orange	25,000	20,000	50,000	43,300	35,400	25,000	1.30
ENRS-9	Gray	31,000	24,800	62,000	53,700	43,800	31,000	1.50
ENRS-10	Orange	40,000	32,000	80,000	69,300	26,600	40,000	2.00
ENRS-11	Brown	53,000	42,400	106,000	91,800	74,900	53,000	3.00
ENRS-12	Olive	66,000	52,800	132,000	114,300	93,300	66,000	3.25
ENRS-13	Black	90,000	72,000	180,000	155,900	127,300	90,000	3.75

Rated Capacities in Pounds

Colour codes and rated capacities may vary among manufacturers

ALWAYS CHECK THE IDENTIFICATION TAG TO DETERMINE IF THE POLYESTER ROUNDSLING RATED CAPACITY IS APPLICABLE FOR THE LIFT

Our Polyester slings have been tested in accordance with the requirements of ASME / ANSI B 30.9 and are made of class 7 material with a minimum certified tensile strength of 9800 lbs per inch of width.

FX-Polyester Endless Round Slings Stage Rigging

For stage rigging, the most basic round sling, yet they offer great versatility.

These lightweight conventional polyester core round slings are ideal for easy and inconspicuous suspension of stage sound and lighting equipment.

All Black to help sling blend into its surroundings.







Soft and pliable, conforms well to irregularly shaped loads and will not scratch load surface

Offers tighter choke with easier release.

Full Safety factor of 5 to 1



Rated Load for Single-Leg Polyester Round Slings

Item	Color	Hitch Type			Horizontal Angle, deg.			Wt. (lbs.ft)
		Vertical	Choker	Vertical Basket	60°	45°	30°	
								
FXRS-2	Black	5,300	4,200	10,600	9,200	7,500	5,300	0.30
Rated Capacities in Pounds								

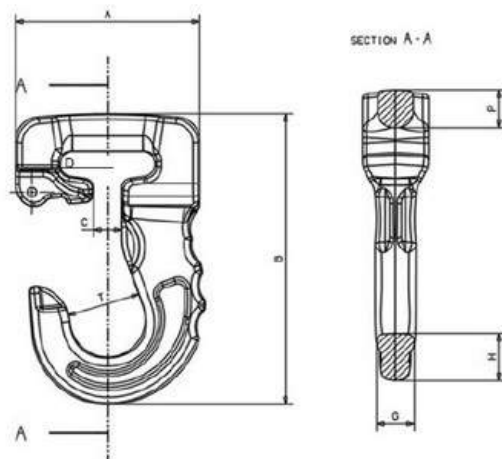
Our Polyester slings have been tested in accordance with the requirements of ASME / ANSI B 30.9 and are made of class 7 material with a minimum certified tensile strength of 9800 lbs per inch of width.

Round Sling Hooks

Synthetic Sling Hooks color coded matching Round Slings of same color, with 5:1 SF.



Color	WLL lbs	Dimensions in Inches								Weight lbs	Product Code
		A	B	C	D	G	H	P	T		
Purple	2,600	3.07	4.84	0.47	1.61	0.67	0.79	0.63	1.22	1.54	34061000
Green	5,300	3.58	5.83	0.75	1.77	0.83	1.02	0.67	1.57	2.65	34062000
Yellow	8,400	4.45	6.89	0.83	2.17	0.98	1.26	0.98	1.97	4.85	34063000
Red	13,200	5.23	8.78	1.57	2.76	1.42	1.57	1.42	2.34	9.92	34065000



Our Polyester slings have been tested in accordance with the requirements of ASME / ANSI B 30.9 and are made of class 7 material with a minimum certified tensile strength of 9800 lbs per inch of width.

EYE & EYE MECHANICALLY PRESSED FLEMISH SLEEVES



These premade wire rope slings are an economical option and have the following qualities that often exceed their counterpart.

- Better at abrasion resistance than synthetic web and round sling.
- Often cheaper than Chain Slings and fit snugly in a choker hitch, keeping the load secure.
- Quick to notice flaws or damage to a wire rope sling than a chain sling.
- Lighter than a chain sling of comparable working load limit.

Wire rope slings are a type of lifting device used to lift and move heavy loads. They consist of a length of wire rope, which is made up of several smaller wires twisted together, and a fitting or attachment at each end that allows the sling to be connected to a crane, hoist, or other lifting equipment. The wire rope is flexible and strong and can be used to lift a wide range of loads, including heavy machinery, containers, and other large items.

Full Safety factor of: 5 to 1

SIZE	CONSTRUCTION	LENGTH OPTIONS IN FT	VERTICAL LBS	CHOKER LBS	BASKET LBS
1/4"	6X26 IWRC EIPS	4, 6, 8, 10, 12	1,120	840	2,200
3/8"	6X26 IWRC EIPS	4, 6, 8, 10, 12	2,400	1,860	4,800
1/2"	6X26 IWRC EIPS	4, 6, 8, 10, 12	4,400	3,200	8,000
5/8"	6X26 IWRC EIPS	4, 6, 8, 10, 12	6,800	5,000	13,600
3/4"	6X26 IWRC EIPS	4, 6, 8, 10, 12	9,800	7,200	19,600
1"	6X26 IWRC EIPS	4, 6, 8, 10, 12	17,000	12,800	34,000

COMPLETE WITH SAFETY TAG AND CERTIFICATE

WARNING: NEVER EXCEED WORKING LOAD LIMITS!
LOAD RATINGS ARE FOR WIRE ROPE SLINGS IN 'NEW CONDITION'!
INSPECT LIFTING SLINGS REGULARLY AND REPLACE ALL COMPONENTS SHOWING SIGNS OF WEAR!



General Warnings

All Vanguard rigging products are sold with the express understanding that both the purchaser and the end user are thoroughly familiar with the safe, proper and acceptable applications of the products.

It is the responsibility of the end user to establish proper safety programs and to provide thorough training for all personnel prior to use. The training programs must meet any federal/provincial/state/local code requirements, existing plant/site safety rules and regulations, and all instructions provided in the applicable section of this catalogue.

Product failure can occur due to abuse, misapplication, lack of maintenance, use by unqualified personnel and improper inspection prior to use. **Any failure of rigging products may result in property damage, personal injury and even death!!!!**

Standards

There are numerous government and industrial standards that cover rigging products. This catalogue makes no attempt to reference all of them; it references to the standards that are most frequently asked about.

Working Load Limit (WLL) – Safe Working Load (SWL)

The Working Load Limits shown in this catalogue are applicable to products that are new or “in as new” condition. The Working Load Limits ratings refer to the maximum amount of force or load that the rigging product can carry under normal working/environmental conditions. The Working Load Limits and Design Factor can be affected by wear, misuse, overloading, shock loading, side loading, corrosion, deformation, product alteration and other use conditions. Inspection of rigging products prior to use is required to determine whether the product continues to meet the assigned WLL provided in this catalogue, should be used at a reduced rating or removed from service.

The WLL rating must never be exceeded!!!!



General information disclaimer

The contents contained in this publication are for general information only.

Although every effort has been made to assure the accuracy of the information at time of print, persons who use the Catalog should note that ratings, laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication.

Vanguard Steel Ltd. assumes no liability for Catalog errors or omissions.

It is the responsibility of each person who uses this Catalog to ascertain current information that pertains to the individual lifting program, particularly with regard to satisfactory safety compliance requirements. Check your Provincial and Local safety standards before any operation or lift is attempted.

It is the responsibility of the person/operator to frequently search for updated reference information.

Do not use lesser than matching Grade components for any lifting application !

Do not use Slings, Chains or Accessories with signs of wear or deformation !

Inspections - Each day before being used, the sling and all fastenings and attachments shall be inspected for damage or defects by a competent person designated by the employer. Additional inspections shall be performed during sling use where service conditions warrant. Damaged or defective slings shall be immediately removed from service.