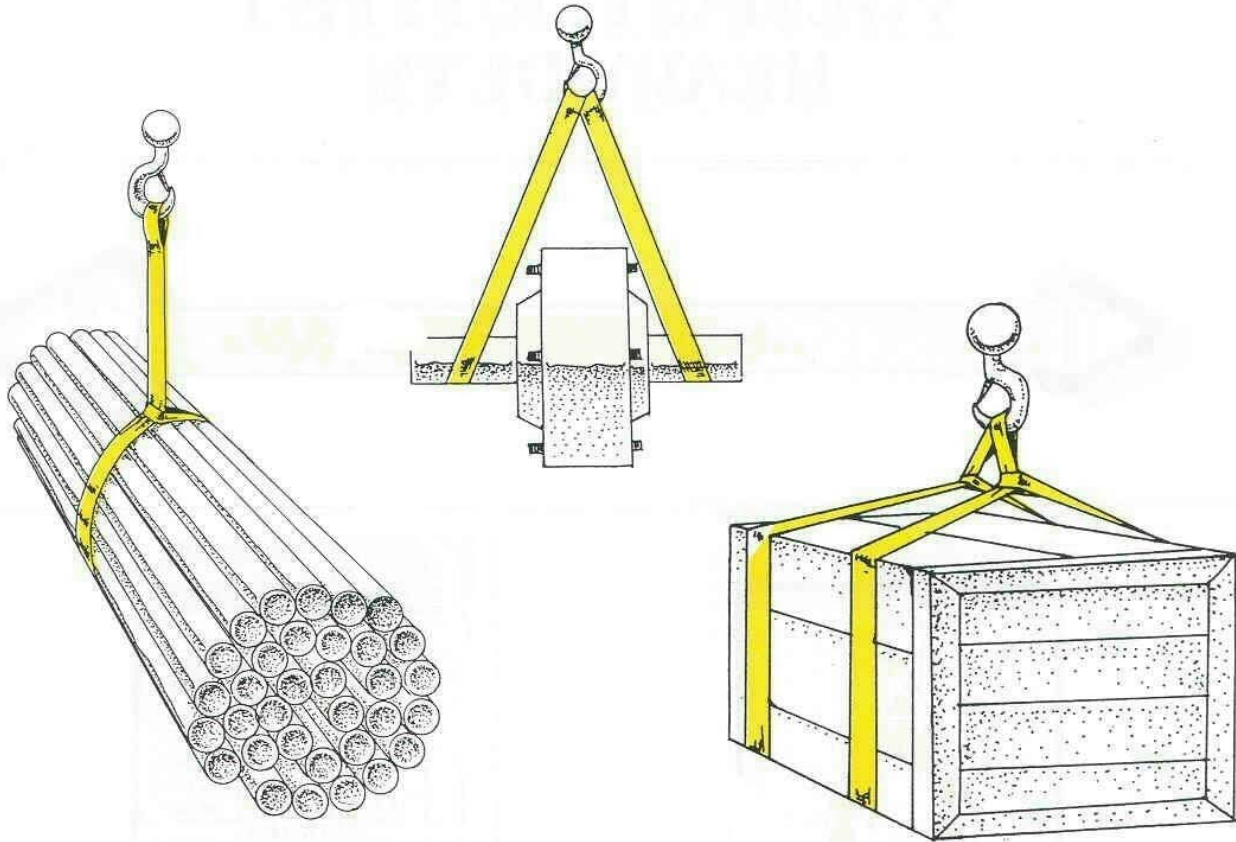


VOLMASTER

SYNTHETIC WEB PRODUCTS

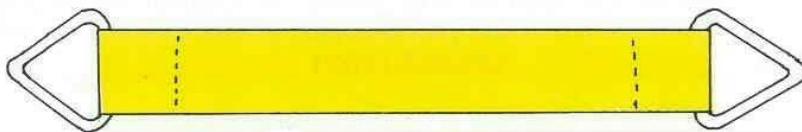


VOLUNTEER WIRE ROPE & SUPPLY CO., INC.

2706 JOHN DEERE DR.
KNOXVILLE, TN 37917

PHONE (865)546-8613 TOLL FREE (800)333-5789 FAX (865)522-6619

www.volwire.com



WEB SLINGS

HOW TO ORDER

DEFINITION OF WEB SLING ORDER CODE

VEE 19 04 15

SLING TYPE (3 LETTERS)

VTC – TYPE 1 – TRIANGLE & CHOKER
VTT – TYPE 2 – TRIANGLE EACH END
VEE – TYPE 3 – EYE & EYE (FLAT EYE STANDARD)
TYPE 4 – EYE & EYE (TWISTED EYE AS OPTION)
VEN – TYPE 5 – ENDLESS
VRE – TYPE 6 – REVERSED EYE
VWL – TYPE 7 – WIDE

NUMBER OF PLYS

1, 2, 3, OR 4

SLING LENGTH

USE ACTUAL PULL TO
PULL LENGTH (REACH IN FT)

SLING WIDTH

ACTUAL WIDTH IN INCHES.
EXCEPTIONS 1 3/4" WIDE SLINGS
WILL BE "30", 3 1/2" WIDE SLINGS
WILL BE "35".

WEB CLASS

6 = VOLMASTER 6000
9 = VOLMASTER 9000

DEFINITION OF WEB SLING ORDER CODE

SPECIFY:

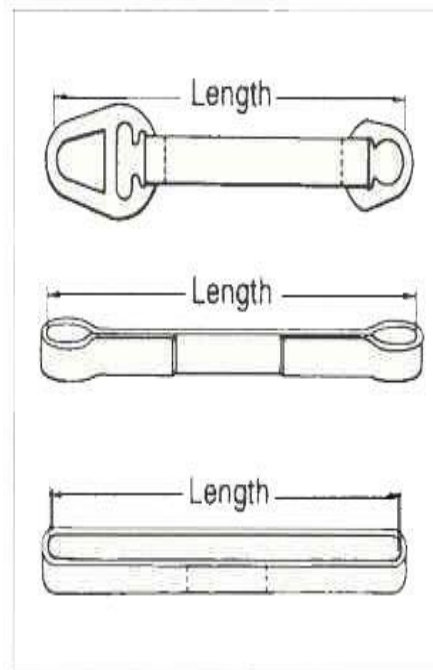
1. SLING TYPE
2. NUMBER OF PLYS
3. WEB CLASS
4. SLING WIDTH IN INCHES
5. SLING LENGTH

WHEN ORDERING SLINGS CONSIDER:

- TYPE OF HITCH
- CAPACITY TABLES
- SLING TO LOAD ANGLES
- ENVIRONMENTAL CONDITIONS

NOTE ON ABRASION TREATMENT

VOLMASTER SLINGS COME WITH AN ABRASION RESISTANT TREATMENT APPLIED TO THE SLING WEB.

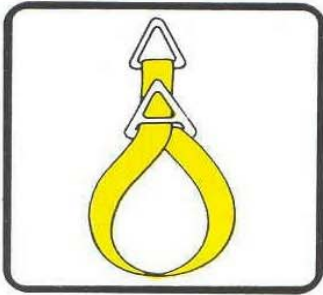
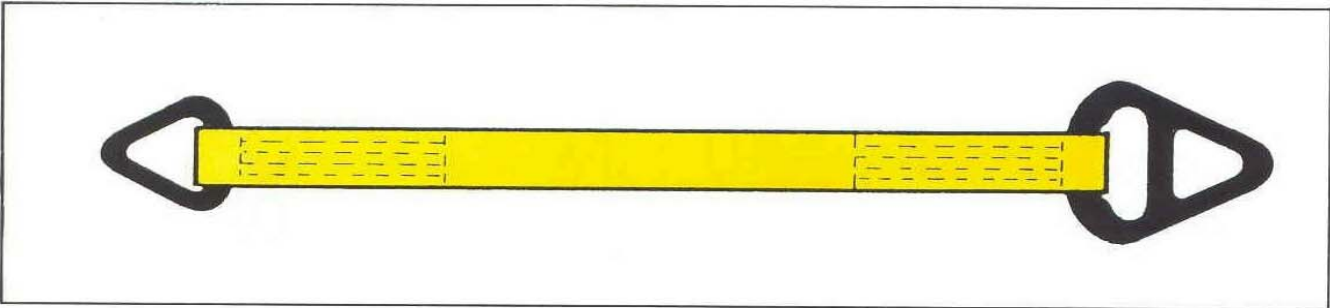


**CAUTION – DO NOT EXCEED THE MAXIMUM
LOAD/RATED CAPACITIES**

WEB SLINGS

WEB SLINGS

VOLMASTER TYPE 1/VTC HEAVY DUTY



Web Width	RATED CAPACITIES IN LBS.		
	Vertical	Choker	Basket
SINGLE PLY			
2"	3,200	2,400	6,400
3"	4,800	3,600	9,600
4"	6,400	4,800	12,800
5"	8,000	6,000	16,000
6"	9,600	7,200	19,200
8"	12,800	9,600	25,600
10"	16,000	12,000	32,000
12"	19,200	14,400	38,400
TWO PLY			
2"	6,400	4,800	12,800
3"	8,600	6,500	17,200
4"	11,500	8,600	23,000
5"	14,000	10,500	28,000
6"	16,800	12,600	33,600

CHART IS FOR VOLMASTER 9000

TYPE I—Sling made with a triangle fitting on one end and a slotted triangle choker fitting on the other end. It can be used in a vertical, basket or choker hitch.

SLING HITCHES



VERTICAL HITCH



CHOKER HITCH



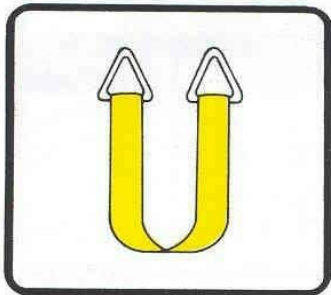
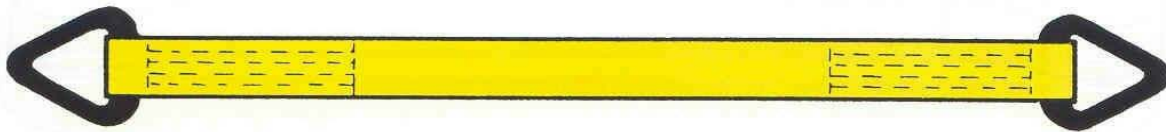
BASKET HITCH

**CAUTION - DO NOT EXCEED THE MAXIMUM
LOAD/RATED CAPACITIES**

WEB SLINGS

WEB SLINGS

VOLMASTER TYPE 2/VTT HEAVY DUTY



Web Width	RATED CAPACITIES IN LBS.		
	Vertical	Choker	Basket
SINGLE PLY			
2"	3,200		6,400
3"	4,800		9,600
4"	6,400		12,800
5"	8,000		16,000
6"	9,600		19,200
8"	12,800		25,600
10"	16,000		32,000
12"	19,200		38,400
TWO PLY			
2"	6,400		12,800
3"	8,600		17,200
4"	11,500		23,000
5"	14,000		28,000
6"	16,800		33,600

CHART IS FOR VOLMASTER 9000

TYPE II—Sling made with a triangle fitting on both ends. It can be used in a vertical or basket hitch.

NYLON PERFORMANCE CHARACTERISTICS

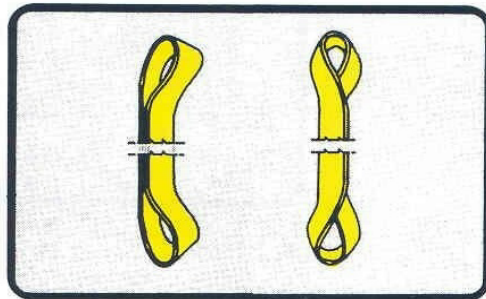
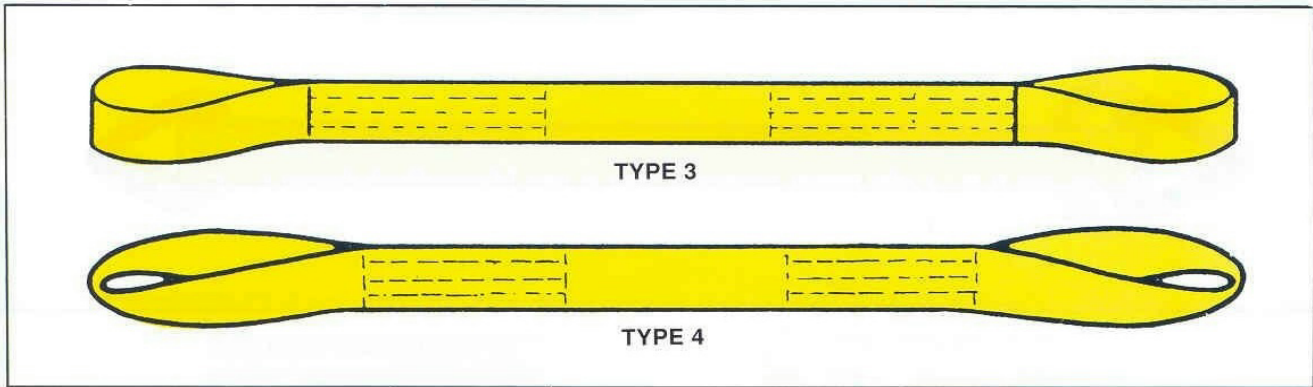
NYLON is a general purpose synthetic webbing. It is unaffected by grease or oil, and has a good chemical resistance to aldehydes, ethers, and strong alkalis. Nylon should not be exposed to either acids or to bleaching agents. This material should never be exposed to temperatures greater than 200 degrees F. Stretch at rated capacity of a nylon sling will be approximately 6%.

**CAUTION – DO NOT EXCEED THE MAXIMUM
LOAD/RATED CAPACITIES**

WEB SLINGS

WEB SLINGS

VOLMASTER TYPES 3 & 4/VEE HEAVY DUTY



Web Width	RATED CAPACITIES IN LBS.		
	Vertical	Choker	Basket
SINGLE PLY			
1"	1,600	1,200	3,200
2"	3,200	2,400	6,400
3"	4,800	3,600	9,600
4"	6,400	4,800	12,800
5"	8,000	6,000	16,000
6"	9,600	7,200	19,200
TWO PLY			
1"	3,200	2,400	6,400
2"	6,400	4,800	12,800
3"	8,600	6,500	17,200
4"	11,500	8,600	23,000
5"	13,600	10,200	27,200
6"	16,300	12,200	32,600

CHART IS FOR VOLMASTER 9000

TYPE III—Sling made with a flat loop eye on each end with loop eye opening on same plane as sling body. This type of sling is sometimes called a flat eye and eye, eye and eye, or double eye sling.

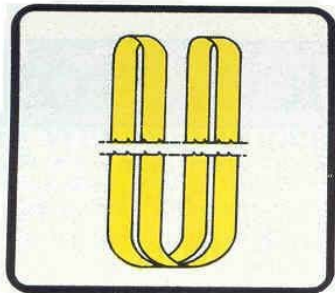
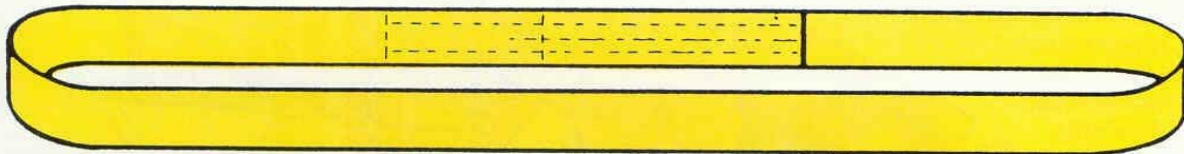
TYPE IV—Sling made with both loop eyes formed as in Type III, except that the loop eyes are turned to form a loop eye which is at a right angle to the plane of the sling body. This type of sling is commonly referred to as a twisted eye sling.

**CAUTION - DO NOT EXCEED THE MAXIMUM
LOAD/RATED CAPACITIES**

WEB SLINGS

WEB SLINGS

VOLMASTER TYPE 5/VEN HEAVY DUTY



Web Width	RATED CAPACITIES IN LBS.		
	Vertical	Choker	Basket
SINGLE PLY			
1"	3,200	2,500	6,400
2"	6,400	5,000	12,800
3"	8,600	6,900	17,200
4"	11,500	9,200	23,000
5"	13,600	10,900	27,200
6"	16,300	13,000	32,600
TWO PLY			
1"	6,100	4,900	12,200
2"	12,200	9,800	24,400
3"	16,300	13,000	32,600
4"	20,700	16,500	41,400
5"	24,500	19,600	49,000
6"	28,600	23,000	57,200

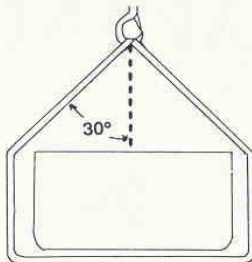
CHART IS FOR VOLMASTER 9000

TYPE V—Endless sling, sometimes referred to as a grommet. It is a continuous loop formed by joining the ends of the fabric together with a splice.

AS THE ANGLE INCREASES THE SLING CAPACITY DECREASES

Angle (Degrees)	Reduction Factor	Angle (Degrees)	Reduction Factor
0	1.0000	40	0.7660
5	0.9962	45	0.7071
10	0.9848	50	0.6428
15	0.9659	55	0.5736
20	0.9397	60	0.5000
25	0.9083	65	0.4226
30	0.8660	70	0.3420
35	0.8192	75	0.2588

All angles measured from vertical








The angle increases of the sling leg reduces its capacity. See chart for reduction factor. Determine the angle between the sling leg and the vertical plane, then multiply the sling rating by the reduction factor from the chart. This will determine the slings reduced capacity.

**CAUTION – DO NOT EXCEED THE MAXIMUM
LOAD/RATED CAPACITIES**

ROUND SLINGS



RATED CAPACITIES (WORKING LOAD LIMITS)

PART NO.	COLOR	APPROX DIAMETER INCH	APPROX WEIGHT/FT* LBS/FT	VERTICAL	CHOKE	VERT BASKET	30 DEGREE BASKET	45 DEGREE BASKET
				 LBS	 LBS	 LBS	 LBS	 LBS
VR1	PURPLE	0.60	0.30	2600	2080	5200	4500	3600
VR2	GREEN	0.80	0.40	5300	4240	10600	9100	7400
VR3	YELLOW	1.00	0.50	8400	6720	16800	14500	11800
VR4	TAN	1.20	0.60	10600	8480	21200	18300	15000
VR5	RED	1.30	0.80	13200	10560	26400	22800	18600
VR6	ORANGE	1.40	0.90	15900	12720	31800	27500	22500
VR7	BLUE	1.55	1.20	21200	16960	42400	36700	29900
VR8	ORANGE	1.75	1.50	25000	20000	50000	43300	35300
VR9	ORANGE	1.95	2.00	31000	24800	62000	53600	43800
VR10	ORANGE	2.35	2.80	40000	32000	80000	69200	56500
VR11	ORANGE	3.15	3.60	52900	42320	105800	91600	74800
VR12	ORANGE	3.95	4.60	66100	52880	132200	114400	93400
VR13	ORANGE	4.80	5.80	90000	72000	180000	115800	127200



HOW TO ORDER

1. DETERMINE WORKING LOAD LIMIT NEEDED
2. USING CHART ABOVE, PLEASE PROVIDE PART NUMBER AND DIAMETER.

- EXAMPLE: FOR A RED 10 FOOT ROUND SLING WITH A 13,200 LB VERTICAL CAPACITY, ORDER: VR5-10

**CAUTION – DO NOT EXCEED THE MAXIMUM
LOAD/RATED CAPACITIES**