PROLINE12® UHMPE Rope Slings - General Information:

When compared to Wire Rope Slings, Lift-It® PROLINE12® UHMPE Synthetic Rope Slings offer:

- o Superior strength-to-weight ratio.
- o Excellent bending fatigue.
- o Similar elongation properties at approximately 1%.
- o Will not sink, UHMPE Slings float!
- o 1/7 the weight of Wire Rope Slings.
- o Non corrosive, does not require lubrication.
- o Easy to inspect.

UHMPE Rope is treated to provide protection against abrasion and UV light degradation.

PROLINE12® Ultra High Molecular Weight Polyethylene (UHMPE), also known as HMPE (High Modulus Polyethylene). UHMPE Ropes are valued for their performance in vehicle recovery, industrial & marine applications, performance yachting, aquaculture, commercial fishing, and PROLINE12® can be the ideal substitute for wire rope. PROLINE12® UHMPE ropes have long been used for mooring of Tanker vessels, as pennant lines for offshore rigs, tow hawsers, ship assist lines and more.

UHMPE ropes are 7-9 times stronger than steel (by weight) and 3 times stronger than Polyester of equal weight. PROLINE12® 12-strand torque-free braided construction gives UHMPE rope superior strength, very low stretch, improved handling and excellent wear characteristics. UHMPE rope is naturally white, when coated with Polyurethane the rope is enhanced with inherent UV and abrasion resistance, increasing service life.

The many advantages of PROLINE12® UHMPE rope make it an excellent choice for all load handling, winch line, recovery and marine towing line applications.

APPLICATIONS

Load Handling

Recovery

Winch Line

Marine Towing Line



BENEFITS / FEATURES

High Abrasion Resistance

Buoyant Durable

Very Low Stretch Lightweight Easy to Splice Does Not Kink



CHARACTERISTICS				
Material	Coated UHMPE Fiber			
Specific Gravity	.97			
Construction	12 Strand Braided			
UV Resistance	Excellent			
Chemical Resistance	Excellent			
Melting Point	296°F (147°C)			
Critical Temperature	149°F (65°C)			
Working Stretch	<1.5%			
Fiber Water Absorption	None			
Wet Abrasion	Excellent			
Dry Abrasion	Excellent			

APPLICATIONS BENEFITS / FEATURES

Load Handling High Abrasion Resistance

Buoyant

Recovery Durable

Marine Towing Line

Winch Line Very Low Stretch
Lightweight

Easy to Splice
Does Not Kink

PROLINE12X12® UHMPE ropes offer all of the benefits of PROLINE12® 12 Strand rope, with improved load balance throughout the rope fibers when constructed in larger diameters. To maximize efficiency on larger diameters/ capacities, each of the 12 major strands is made up of 12 minor strands, providing users with an exceptionally strong, balanced and lightweight rope that offers excellent torque-free load handling characteristics.

Many of the largest mining operations in the world trust PROLINE12X12® UHMPE ropes to recover haul trucks and other equipment quickly and efficiently. We stock a large inventory of all PROLINE12X12® sizes and have skilled personnel to handle emergency jobs to keep operations going, living up to our reputation of 24/7/365 service.

PROLINE12X12® UHMPE ropes bring the oldest form of rigging to the forefront of technological advancement. Whether you are rigging, recovering or towing, choose PROLINE12X12® UHMPE ropes.

Choker Hitch Considerations for Lift-It- UHMPE Rope Slings

Choke point protection for UHMPE Rope Slings is MANDATORY! When UHMPE Rope Slings are used in a choker hitch, protection MUST be properly placed at the choke point to reduce friction and prevent rope-on-rope damage. Endless Slings will require additional or larger protection devices to cover all rope components at the

choke point. The protection must always be of sufficient strength, thickness and construction, such as but not limited to CornerMax® Sleeve (depicted). A qualified person and/or properly informed and trained consumer must determine protection adequacy.

A single sling should never be used to handle unbalanced loads.

When using PROLINE12® UHMPE Rope Slings to handle unbalanced, loose loads, and/or long loads, multiple slings must be used and the load secured to prevent shifting during use. NEVER allow slings to slip or slide.

Whenever a sling is used in a choker hitch that results in an Angle of Choke that is less than 120°, the choker WLL decreases.

To determine the actual reduced choker WLL multiply the sling's choker WLL by the appropriate Angle of Choke Reduction Factor listed in Table 2.

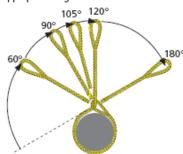
UHMPE Choker Hitch WLL Reductions					
Angle of Choke	Reduction				
(Degrees)	Factor				
120 - 180	1.00				
105 - 119	.82				
90 - 104	.71				
60 - 89	.58				
0 - 59	.50				

A single sling should never be used to handle unbalanced loads.

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Whenever a sling is used in a choker hitch that results in an Angle of Choke that is less than 120°, the choker WLL decreases.

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Rigging Practices and Considerations

WARNING Never use Slings and/or Rigging for pulling against stuck, snagged or restrained objects IF LOADING CANNOT BE DETERMINED. Load measuring devices and/or methods must be used to ensure that OVERLOADING DOES NOT OCCUR.

> Personnel must be alert to the potential for the Sling and/or load to become snagged or hung up during load handling activities. When these conditions occur, the Rigging may be overloaded.

A WARNING Overloaded Rigging may fail and the unplanned release of tension and deadly recoil and/or impact force may result in SEVERE INJURY or DEATH.

WARNING Work Load Limits are based on a moderate rate of movement. Lifting and/or load handling equipment and load movement should be SLOW and STEADY. NEVER shock load Rigging. Unplanned, instantaneous changes (rapid acceleration or sudden stops) constitute hazardous shock loading which may overload Slings, Rigging Hardware and/or Sling Protection, leading to Rigging failure. Rigging failure and the unplanned release of tension, deadly recoil and/or impact force and/or loss of load control, and may result in SEVERE INJURY or DEATH. As an example, shock loading affects Slings with less elongation much more profoundly than Slings with a greater rate of elongation. Likewise, a shorter Sling is affected to a greater degree by shock loading, than a longer Sling.

- · When Slings are used in a choker hitch, the choke action should occur on the body of the Sling, NOT on the Sling eyes, Fittings, splices, Sling tag and/or Tuck & Bury Region. Sling Protection must ALWAYS be used at CHOKE POINTS.
- Slings shall be shortened, lengthened or adjusted only by methods approved by the Sling manufacturer or a qualified person and/or properly informed and trained consumer.
- NEVER use ADJUSTABLE UHMPE Rope Slings in a choker hitch.
- During use in basket hitches, ANY CONTACT with Adjustable UHMPE Rope Slings must be on the ROPE BODY between splices.
- . During use. NEVER allow the Tuck & Bury Region to contact the load and/or connection/suspension points.
- During use, the Handle must NEVER contact the Exit Point of the Tuck & Bury Region.
- During use, the Free Rope must extend a MINIMUM of 6 inches from the Exit Point.
- Slings shall not be shortened or lengthened by knotting or twisting and/or be joined by knotting.
- Twisting and kinking MUST be avoided. Twists MUST be removed before applying tension.
- Equipment should not be driven over Slings and loads should not be rested on Slings.
- Slings should not be pulled from under a load when the load is resting on the Sling. When possible, place supports (cribbing) under the load to allow for the removal of Slings.
- Slings should not be dragged on the floor and/or over abrasive surfaces. Dirt and foreign material may work into the Sling and may cause damage which may seriously affect Sling strength and performance.
- If synthetic rope Slings incorporate thimbles, they must be installed and maintained so they cannot rotate or fall out.
- Do not drop Slings equipped with metal Fittings.
- Slings should not be bunched or pinched between the ears of a Shackle or by the load, Hook or Fitting.

Endless UHMPE Rope Sling Considerations If possible, center the Sling The Sling Adjustable Splice is larger Splice over the lift and/or **UHMPE** Rope connection point to allow for in diameter Sling Anatomy. and elongates equalized elongation in the differently than UHMPE Endless Rope Sling the Sling Body. body members. Splice Handle Sling Slina Splice Body 6 inch Rope Body MINIMUM Free Rope Exit Tuck & Bury Point Region Sling Splice Adjustable

Never use Slings and/or Rigging for pulling against stuck, snagged or restrained objects IF LOADING CANNOT BE DETERMINED.

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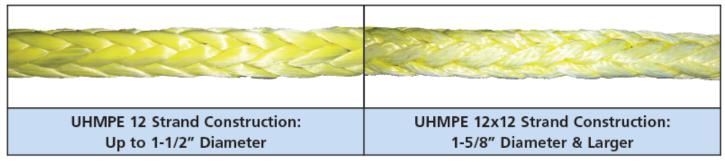
Endless UHMPE Rope Sling Considerations

The Sling Splice is larger in diameter and elongates differently than the Sling Body.

If possible, center the Sling Splice over the lift and/or connection point to allow for equalized elongation in the UHMPE Endless Rope Sling body members.

Adjustable UHMPE Rope Sling Anatomy.

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 Tuck & Bury Region. Sling Protection must ALWAYS be used at CHOKE POINTS.
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- NEVER use ADJUSTABLE UHMPE Rope Slings in a choker hitch.
- During use in basket hitches, ANY CONTACT with Adjustable UHMPE Rope Slings must be on the ROPE BODY between splices.
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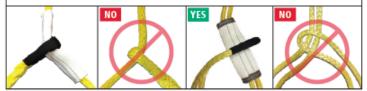
UHMPE Rope is treated to provide protection against abrasion and UV light degradation.

WARNING Do not use Lift-It® UHMPE Rope Slings in contact with objects or at temperatures above 140°F (60°C) or below -40°F (-40°C).

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UHMPE 12 Strand Construction: Up to 1-1/2" Diameter

UHMPE 12x12 Strand Construction: 1-5/8" Diameter & Larger

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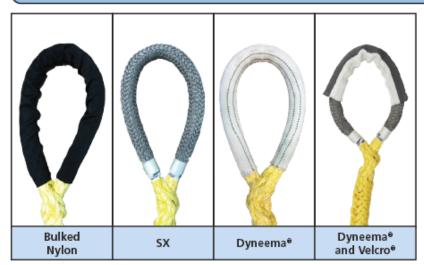
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EYE SLEEVES



Bulked Nylon (Cordura®) Eye Sleeves are provided at no additional charge in all Sling eyes.

WARNING

Abrasion resistant covers provide no protection against cutting.

SX Eye Sleeves are provided for an additional charge and combine the light weight and non-absorbing UHMPE properties into a braided sleeve.

Dyneema® Eye Sleeves are available for an additional charge and are more cut resistant than Cordura® and/or SX Eye Sleeves.

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BODY COVERS

Body covers are provided for an additional charge and may prevent abrasion damage and the penetration of dirt and debris into the rope fibers. YKK® No. 10c Heavy Duty Marine Grade Zipper closure enables easy installation and removal, streamlining sling inspection. Body Covers are captivated at each sling end by Retainer Straps which prevent the cover from shifting.

All covers feature tags, which include stock number and serial number for ease of identification and re-ordering.

MATERIAL CHOICES:

Cordura® Fabric Cordura® with Inner Vinyl





WARNING See the appropriate section of the Lift-It® Resource Guide for Important Safety, Use and Inspection Information.

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Cordura_® Fabric

Cordura with Inner Vinyl

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			Working Load Limits (Lbs.)					
			Choker* Vertical Basket @ 90					
Rope Diameter (Inches)	Rope Diameter (mm)	Stock Number	Å	Î	Ü	Minimum Length Weight (Lbs.)	Adder / Ft. Weight (Lbs.)	Bearing (Feet-Inches)
1/4"	6 mm	EE-UHMPE-1/4	1,280	1,600	3,200	0.1	0.02	2'-2"
5/16"	8 mm	EE-UHMPE-5/16	1,840	2,300	4,600	0.2	0.03	2'-10"
3/8"	9 mm	EE-UHMPE-3/8	2,800	3,500	7,000	0.2	0.04	3'-4"
7/16"	11 mm	EE-UHMPE-7/16	3,360	4,200	8,400	0.2	0.04	3'-10"
1/2"	12 mm	EE-UHMPE-1/2	4,960	6,200	12,400	0.5	0.06	4'-5"
9/16"	14 mm	EE-UHMPE-9/16	6,000	7,500	15,000	0.6	0.08	5′
5/8"	16 mm	EE-UHMPE-5/8	8,160	10,200	20,400	1.1	0.11	5′-7″
3/4"	18 mm	EE-UHMPE-3/4	10,960	13,700	27,400	1.4	0.13	6′-7″
13/16"	20 mm	EE-UHMPE-13/16	11,840	14,800	29,600	2.1	0.16	7′-2″
7/8″	22 mm	EE-UHMPE-7/8	14,800	18,500	37,000	2.8	0.20	7′-10″
1″	24 mm	EE-UHMPE-1	17,600	22,000	44,000	3.5	0.23	8'-10"
1-1/16"	26 mm	EE-UHMPE-1-1/16	20,640	25,800	51,600	4.2	0.28	9′-5″
1-1/8"	28 mm	EE-UHMPE-1-1/8	23,520	29,400	58,800	5.1	0.32	10'-1"
1-1/4"	30 mm	EE-UHMPE-1-1/4	26,400	33,000	66,000	6.8	0.36	11'
1-5/16"	32 mm	EE-UHMPE-1-5/16	31,360	39,200	78,400	8.4	0.42	11′-7″
1-1/2"	36 mm	EE-UHMPE-1-1/2	35,360	44,200	88,400	11.4	0.52	13'-2"
1-5/8"	40 mm	EE-UHMPE-1-5/8	46,400	58,000	116,000	15.8	0.66	14'-6"
1-3/4"	44 mm	EE-UHMPE-1-3/4	49,600	62,000	124,000	20.3	0.78	15′-8″
2"	48 mm	EE-UHMPE-2	56,800	71,000	142,000	26.4	0.91	17'-7"
2-1/8"	52 mm	EE-UHMPE-2-1/8	68,000	85,000	170,000	33.8	1.1	18′-11″
2-1/4"	56 mm	EE-UHMPE-2-1/4	76,800	96,000	192,000	40.3	1.2	20′-1″
2-1/2"	60 mm	EE-UHMPE-2-1/2	84,800	106,000	212,000	54.8	1.5	22′-1″
2-5/8"	64 mm	EE-UHMPE-2-5/8	95,200	119,000	238,000	71.8	1.7	23′-4″
2-3/4"	68 mm	EE-UHMPE-2-3/4	105,600	132,000	264,000	91.6	1.9	24'-6"
3″	72 mm	EE-UHMPE-3	124,800	156,000	312,000	119.8	2.1	26'-6"
3-1/8"	76 mm	EE-UHMPE-3-1/8	136,000	170,000	340,000		2.4	27′-8″
3-1/4"	80 mm	EE-UHMPE-3-1/4	150,400	188,000	376,000		2.6	28′-11″
3-1/2"	84 mm	EE-UHMPE-3-1/2	176,800	221,000	442,000		3.0	30′-11″
3-5/8"	88 mm	EE-UHMPE-3-5/8	200,000	250,000	500,000		3.2	32′-1″
3-3/4"	92 mm	EE-UHMPE-3-3/4	210,400	263,000	526,000		3.4	33'-4"
4"	96 mm	EE-UHMPE-4	243,200	304,000	608,000		3.9	35'-4"
4-1/8"	100 mm	EE-UHMPE-4-1/8	259,200	324,000	648,000		4.6	36'-6"
4-1/4"	104 mm	EE-UHMPE-4-1/4	271,200	339,000	678,000		5.1	37'-10"
4-1/2"	108 mm	EE-UHMPE-4-1/2	292,000	365,000	730,000		5.3	39'-8"
4-5/8"	112 mm	EE-UHMPE-4-5/8	300,800	376,000	752,000		5.5	40′-11″
4-3/4"	116 mm	EE-UHMPE-4-3/4	308,000	385,000	770,000		5.9	42′-2″
5″	120 mm	EE-UHMPE-5	330,400	413,000	826,000		6.1	44'-1"
5-1/8"	124 mm	EE-UHMPE-5-1/8	353,600	442,000	884,000		6.6	45'-5"
5-1/4"	128 mm	EE-UHMPE-5-1/4	376,800	471,000	942,000		7.0	46'-7"
5-1/2"	132 mm	EE-UHMPE-5-1/2	399,200	499,000	998,000		7.5	48'-6"
5-5/8"	136 mm	EE-UHMPE-5-5/8	422,400	528,000	1,056,000		8.1	49′-10″
5-3/4"	140 mm	EE-UHMPE-5-3/4	444,800	556,000	1,112,000		8.7	51′-0″
6"	144 mm	EE-UHMPE-6	468,000	585,000	1,170,000		9.3	52'-11"
6-1/8"	148 mm	EE-UHMPE-6-1/8	490,400	613,000	1,226,000		9.9	54'-2"
6-1/4"	152 mm	EE-UHMPE-6-1/4	512,000	640,000	1,280,000		10.4	55′-5″
6-1/2"	156 mm	EE-UHMPE-6-1/2	536,000	670,000	1,340,000		11.0	57′-5″
6-5/8"	160 mm	EE-UHMPE-6-5/8	552,000	690,000	1,380,000		11.6	58'-7"
6-3/4"	164 mm	EE-UHMPE-6-3/4	576,000	720,000	1,440,000		12.3	59'-10"
7"	168 mm	EE-UHMPE-7	600,000	750,000	1,500,000		12.8	61′-10″
7-1/8"	172 mm	EE-UHMPE-7-1/8	632,000	790,000	1,580,000		13.3	63'-0"
7-1/4"	176 mm	EE-UHMPE-7-1/4	648,000	810,000	1,620,000		13.9	64'-2"
7-1/2"	180 mm	EE-UHMPE-7-1/2	672,000	840,000	1,680,000		14.5	66'-2"
7-5/8"	184 mm	EE-UHMPE-7-5/8	696,000	870,000	1,740,000		15.3	67'-5"
7-3/4"	188 mm	EE-UHMPE-7-3/4	712,000	890,000	1,780,000		15.9	68'-7"
8"	192 mm	EE-UHMPE-8	736,000	920,000	1,840,000		16.5	70′-7″
8-1/8"	196 mm	EE-UHMPE-8-1/8	760,000	950,000	1,900,000		17.3	71′-10″
8-1/4"	200 mm	EE-UHMPE-8-1/4	784,000	980,000	1,960,000		18.0	73′-1″



UHMPE PROLINE12® Endless Rope Slings





Super strong, ultra-light Lift-It® PROLINE12® UHMPE Rope Slings have similar elongation properties but are 1/7 the weight of heavy, cumbersome Wire Rope Slings. UHMPE Rope Slings also offer the advantages of flexibility as well as the absence of lubricants and corrosion when compared to Wire Rope Slings. Unlike Wire Rope Slings, UHMPE Rope Slings are neutrally buoyant for ease of handling in diving, salvage, maintenance and marine construction activities for oil, gas and alternative energy companies.

- Lift-It® UHMPE Rope Slings do not absorb water and sling capacity is not reduced while wet.
- UHMPE Rope Slings are easy to inspect when compared to rigid Wire Rope Slings and Roundslings.
- External and internal wear is more readily identifiable with 12 x 12 braided strand UHMPE Rope Slings.
- UHMPE Rope Slings have recommended usage diameters that have been validated through destruction testing.

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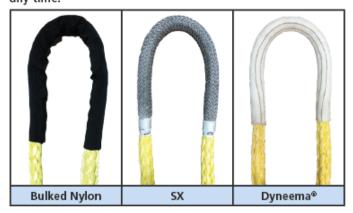
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- UHMPE Rope Slings have recommended usage diameters that have been validated through destruction testing.

CONNECTION POINT SLEEVES

UHMPE ENDLESS ROPE SLINGS – FIXED EYE

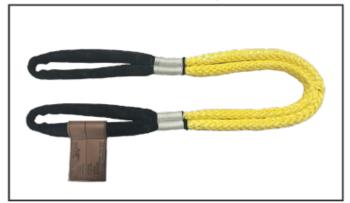
Bulked Nylon (Cordura®) Connection Point Sleeves are automatically supplied on Lift-It® UHMPE Rope Slings. SX and Dyneema® Sleeves are available on request for an additional charge.

Dyneema® Connection Point Sleeves utilizing YKK® No. 10c Heavy Duty Marine Grade Zipper closure are also available enabling the user to add Connection Point Sleeves at any time.



Lift-It® UHMPE Endless Rope Slings can be fabricated into a Fixed Eye configuration where the two endless body members are set and secured beside each other. In this configuration, sling users have the convenience of a unitized sling body but are unable to rotate the sling connection points.

Unless otherwise specified, Endless Slings will be supplied. To order the Fixed Eye configuration, "FE" must be added after "EN" to the stock number. Example: EN-FE-UHMPE-2.



Bulked Nylon (Cordura*) Connection Point Sleeves are automatically supplied on Lift-It* UHMPE Rope Slings. SX and Dyneema* Sleeves are available on request for an additional charge.

Dyneema• Connection Point Sleeves utilizing YKK• No. 10c Heavy Duty Marine Grade Zipper closure are also available enabling the user to add Connection Point Sleeves at any time.

UHMPE ENDLESS ROPE SLINGS – FIXED EYE

Lift-It- UHMPE Endless Rope Slings can be fabricated into a Fixed Eye configuration where the two endless body members are set and secured beside each other. In this configuration, sling users have the convenience of a unitized sling body but are unable to rotate the sling connection points.

Unless otherwise specified, Endless Slings will be supplied. To order the Fixed Eye configuration, "FE" must be added after "EN" to the stock number. Example: EN-FE-UHMPE-2.

UHMPE ENDLESS ROPE SPLICE PLACEMENT

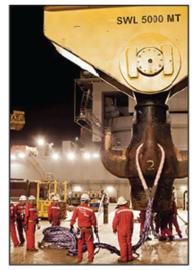
Depending upon the length of Lift-It® UHMPE Endless Rope Sling, you may have a choice where to place the splice.

elongates differently than the body of the UHMPE Endless Rope Sling.

SPLICE

BODY

The splice is larger in diameter and



If possible, place the splice over the lift or connection point to allow for equalized elongation in the UHMPE Endless Rope Sling body members.



WARNING See the appropriate section of ASME B30, the Lift-It* and/or manufacturer's website and/or supplied bulletins/user guides for Important Safety, Use and Inspection Information.

UHMPE ENDLESS ROPE SPLICE PLACEMENT

Depending upon the length of Lift-It-UHMPE Endless Rope Sling, you may have a choice where to place the splice.

The splice is larger in diameter and elongates differently than the body of the UHMPE Endless Rope Sling. If possible, place the splice over the lift or connection point to allow for equalized elongation in the UHMPE Endless Rope Sling body members.

WARNING See the appropriate section of ASME B30, the Lift-It* and/or manufacturer's website and/or supplied bulletins/user guides for Important Safety, Use and Inspection Information.



	Working Load Limits (Lbs.)				1			
			Choker*	Vertical	Basket @ 90			
Rope Diameter (Inches)	Rope Diameter (mm)	Stock Number	*		U	Minimum Length Weight (Lbs.)	Adder / Ft. Weight (Lbs.)	Bearing (Feet-Inches)
1/4"	6 mm	EN-UHMPE-1/4	1,900	2,376	4,752	0.1	0.04	1′-4″
5/16"	8 mm	EN-UHMPE-5/16	2,732	3,415	6,830	0.18	0.06	1′-8″
3/8"	9 mm	EN-UHMPE-3/8	4,157	5,197	10,394	0.28	0.08	2'
7/16"	11 mm	EN-UHMPE-7/16	4,989	6,237	12,474	0.36	0.08	2'-4"
1/2"	12 mm	EN-UHMPE-1/2	7,365	9,207	18,414	0.6	0.12	2'-8"
9/16"	14 mm	EN-UHMPE-9/16	8,909	11, 137	22,274	0.88	0.16	3'
5/8"	16 mm	EN-UHMPE-5/8	12,117	15, 147	30,294	1.32	0.22	3'-4"
3/4"	18 mm	EN-UHMPE-3/4	16,275	20,344	40,688	1.82	0.26	4'
13/16"	20 mm	EN-UHMPE-13/16	17,582	21,978	43,956	2.56	0.32	4'-5"
7/8"	22 mm	EN-UHMPE-7/8	21,977	27,472	54,944	3.6	0.4	4'-8"
1"	24 mm	EN-UHMPE-1	26,136	32,670	65,340	4.37	0.46	5′-5″
1-1/16"	26 mm	EN-UHMPE-1-1/16	30,650	38,313	76,626	5.6	0.56	5′-8″
1-1/8"	28 mm	EN-UHMPE-1-1/8	34,927	43,659	87,318	6.72	0.64	6'
1-1/4"	30 mm	EN-UHMPE-1-1/4	39,204	49,005	98,010	9	0.72	6′-8″
1-5/16"	32 mm	EN-UHMPE-1-5/16	46,569	58,212	116,424	10.92	0.84	7'
1-1/2"	36 mm	EN-UHMPE-1-1/2	52,509	65,637	131,274	14.56	1.04	8′
1-5/8"	40 mm	EN-UHMPE-1-5/8	68,904	86, 130	172,260	19.8	1.32	8'-8"
1-3/4"	44 mm	EN-UHMPE-1-3/4	73,656	92,070	184,140	25.74	1.56	9′-5″
2"	48 mm	EN-UHMPE-2	84,348	105,435	210,870	32.76	1.82	10'-8"
2-1/8"	52 mm	EN-UHMPE-2-1/8	100,980	126,225	252,450	42.51	2.18	11'-5"
2-1/4"	56 mm	EN-UHMPE-2-1/4	114,048	142,560	285,120	50.02	2.44	12'
2-1/2"	60 mm	EN-UHMPE-2-1/2	125,928	157,410	314,820	69.56	2.96	13'-5"
2-5/8"	64 mm	EN-UHMPE-2-5/8	141,372	176,715	353,430	93.52	3.34	14'-1"
2-3/4"	68 mm	EN-UHMPE-2-3/4	156,816	196,020	392,040	123.42	3.74	14'-8"
3″	72 mm	EN-UHMPE-3	185,328	231,660	463,320	162.64	4.28	16'-1"
3-1/8"	76 mm	EN-UHMPE-3-1/8	201,960	252,450	504,900			16'-8"
3-1/4"	80 mm	EN-UHMPE-3-1/4	223,344	279,180	558,360			17'-5"
3-1/2"	84 mm	EN-UHMPE-3-1/2	262,548	328,185	656,370			18'-8"
3-5/8"	88 mm	EN-UHMPE-3-5/8	297,000	371,250	742,500			19'-5"
3-3/4"	92 mm	EN-UHMPE-3-3/4	312,444	390,555	781,110			20'-1"
4"	96 mm	EN-UHMPE-4	361,152	451,440	902,880			21'-5"
4-1/8"	100 mm	EN-UHMPE-4-1/8	384,912	481,140	962,280			22'-1"
4-1/4"	104 mm	EN-UHMPE-4-1/4	402,732	503,415	1,006,830			22'-10"
4-1/2"	108 mm	EN-UHMPE-4-1/2	433,620	542,025	1,084,050			24'-1"
4-5/8"	112 mm	EN-UHMPE-4-5/8	446,688	558,360	1,116,720			24'-10"
4-3/4"	116 mm	EN-UHMPE-4-3/4	457,380	571,725	1,143,450			25'-5"
5"	120 mm	EN-UHMPE-5	490,644	613,305	1,226,610			26'-10"
5-1/8"	124 mm	EN-UHMPE-5-1/8	525,096	656,370	1,312,740			27'-5"
5-1/4"	128 mm	EN-UHMPE-5-1/4	559,548	699,435	1,398,870	-		28'-1"
5-1/2"	132 mm	EN-UHMPE-5-1/2	592,812	741,015	1,482,030			29'-5"
5-5/8"	136 mm	EN-UHMPE-5-5/8	627,264	784,080	1,568,160			30'-1"
5-3/4"	140 mm	EN-UHMPE-5-3/4	660,528	825,660 868 725	1,651,320			30'-10"
6" 6-1/8"	144 mm	EN-UHMPE-6 EN-UHMPE-6-1/8	694,980	868,725	1,737,450			32'-1" 32'-10"
6-1/8"	148 mm		728,244	910,305	1,820,610			33'-6"
6-1/4"	152 mm	EN-UHMPE-6-1/4	760,320	950,400	1,900,800			34'-10"
	156 mm	EN-UHMPE-6-1/2	795,960	994,950	1,989,900	1		
6-5/8" 6-3/4"	160 mm	EN-UHMPE-6-5/8 EN-UHMPE-6-3/4	819,720 855,360	1,024,650	2,049,300			35'-6" 36'-1"
7"	168 mm	EN-UHMPE-7	891,000	1,069,200 1,113,750	2,138,400			37'-6"
7-1/8"	172 mm	EN-UHMPE-7-1/8	938,520		2,227,500			38'-1"
				1,173,150	2,346,300			
7-1/4" 7-1/2"	176 mm 180 mm	EN-UHMPE-7-1/4 EN-UHMPE-7-1/2	962,280 997,920	1,202,850 1,247,400	2,405,700 2,494,800			38'-10" 40'-2"
7-1/2	184 mm	EN-UHMPE-7-5/8	1,033,560	1,247,400	2,583,900			40'-10"
7-3/4"	188 mm	EN-UHMPE-7-3/4	1,057,320	1,321,650	2,643,300			41'-6"
8"	192 mm	EN-UHMPE-8	1,092,960	1,366,200	2,732,400			42'-10"
8-1/8"	196 mm	EN-UHMPE-8-1/8	1,128,600	1,410,750	2,732,400			43'-6"
8-1/4"	200 mm	EN-UHMPE-8-1/4	1,164,240	1,410,730	2,910,600			44'-2"
U-1/4	200111111	2.7-01100 2-0-07	1,104,240	1,455,500	2,510,000			



PROLINE12[™] UHMPE Adjustable Rope Slings replace multiple, "non-adjustable" slings by accommodating a range of dimensional requirements with infinite adjustability. Available in single, double, three and four leg configurations, PROLINE12[™] UHMPE Adjustable Rope Slings are made from single braid, twelve strand, low elongation high performance synthetic rope. Stock lengths are shown below, however custom lengths and adjustment ranges are readily available.

UHMPE Adjustable Rope Slings provide higher Work Load Limits than standard, polyester adjustable rope slings. PROLINE12™ PROLINE12™ UHMPE Adjustable Rope Slings are treated with a coating to enhance abrasion and UV degradation resistance.

Lift-It® PROLINE12™ UHMPE Adjustable Rope Slings feature wear protection sleeves in the lift and connection eyes.

PROLINE12™ UHMPE Adjustable Rope Slings are labeled with the information currently required by the various regulatory agencies. Please see *Proper Sling Use – UHMPE Rope Slings* and *Sling Inspection – UHMPE Rope Slings* for more information on proper use and inspection.

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Lift-It® Three and Four Leg PROLINE12™ UHMPE Adjustable Rope Slings feature a Top Lifting Link. Depending upon your selection, based on Work Load, you must determine whether a Masterlink or Masterlink with Subassemblies makes the most sense from a fitting weight perspective. With either option, heavy duty thimbles are attached at the connection points to the Top Lifting Link.

PROLINE12™ UHMPE Adjustable Rope Slings with Top Lifting Links feature hardware that is not only based on the WLL, but also the correct size. We take into account not only the strength requirements, but the spatial relationship between sling attachment points and interfacing hardware.

Generally, Lift-It® Bridle Assembly capacities are lower than our competitors. Three leg capacities are based on 2-1/2 legs, while Four Leg Bridle Assembly capacities are based on three legs carrying the assigned capacity.

Lower capacities and more expensive, larger hardware will never allow us to be the successful, low bidder. Our conservative approach is respected by conscientious users and appreciated by sophisticated purchasers. In this instance, spending more for less provides for increased safety and longer sling service.

Lifts can be made with any two or three legs of the four leg, PROLINE12™ UHMPE Adjustable Rope Sling, if it has a Masterlink or Masterlink with subassembly. If three of the four legs are used, the assembly Work Load Limit must be reduced by 33% and is effectively the same as the rating for a two leg (double) sling.



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Recovery Rope – General information:

PROLINE12° Synthetic Recovery Ropes / tow lines have long been the best choice to replace heavy, cumbersome wire rope slings for off highway industrial towing and recovery applications. Each PROLINE12° Recovery Rope is constructed from UHMPE rope and features abrasion resistant HMPE eye protection. Each rope body is covered with Orange Cordura° chafe protection and all assemblies feature identification tags with Work Load Limits, straight line break strengths and unique serial numbers for tracking purposes.

Recovery Rope - Endless - EE:

PROLINE12° Endless - Eye & Eye Synthetic Recovery Ropes / tow lines offer the ease of use of an Eye & Eye configuration, with the increased Work Load Limit that an Endless design provides. Each PROLINE12° Endless - Eye & Eye Recovery Rope is constructed from UHMPE rope fabricated as an endless grommet, then eyes are expertly formed featuring abrasion resistant HMPE eye protection. Each rope body is covered with Orange Cordura° chafe protection and all assemblies feature identification tags with Work Load Limits, straight line break strengths and unique serial numbers for tracking purposes.

Recovery Rope - Soft Shackles:

PROLINE12® Soft Shackles can be used as a lightweight replacement for common heavy metal shackles. Each PROLINE12® Soft Shackle is constructed from UHMPE rope and includes Cordura® tubular chafe protection. Like all PROLINE12® fabricated products we do not source from other manufactures but rather develop, test and fabricate in our factory. PROLINE12® Soft Shackles are clearly labeled with Work Load Limits, won't rust and are so light they float!

NEVER use PROLINE12° Soft Shackles for lifting.