



**KAYA
ROPES**

FAST ROPES

2021 | ENG

Upgrade Your Lines





KAYA COMPANIES

www.kayacompanies.com

Kaya Companies;

A leader in its field today, Kaya Group began business in the 1980's as Kaya Construction. Kaya Group is now preparing to celebrate its 40th year of operation. Kaya Group concentrates its knowledge and experience in four main areas of activity; the production of technical ropes, industrial work safety and work at height, health and safety at work training and consulting services. Since being fully aware of the dimension of social responsibility attached to the sector, the company obtains national and international certificates for all products that are developed and manufactured.

By providing education and consultation services concerning the correct use of its products, the Kaya Group has gained the knowledge, experience and level of competence that have given the company the confidence and resources to be able to make new advances from a sound base. With its 40- year experience, the Kaya Group is the largest organization in the sector. In 2010, with new products, services and investments, the company is firmly on the path towards becoming an important brand in the international market.

Our Vision;

To make Kaya the undisputed world's strongest, most prestigious and trusted brand in its sector.

Mission Statement;

Our mission is to conduct research and development based on accurate analysis of needs in the sector and thereby develop new products; to employ modern machinery and a competent workforce in the manufacture of world-class, high quality goods; to provide training and consulting services to create knowledgeable workers and managers and help establish a culture of work safety in Turkey; and to provide complete solutions Via our integrated services.

Company Philosophy;

Based on the value we place on human life, our goal is to design products that will safeguard human life on the job, to manufacture such products and to raise awareness about work safety by training workers and managers and providing consultation services in this regard.

KAYA ROPES KAYA TRAINING KAYA SAFETY KAYA CONSTRUCTION KAYA LIFTING KAYA DEFENCE
KAYA ADVENTURE KAYA SPORT KAYA CONSULTING KAYA RESCUE KAYA ARCHITECTURE KAYA NATURAL



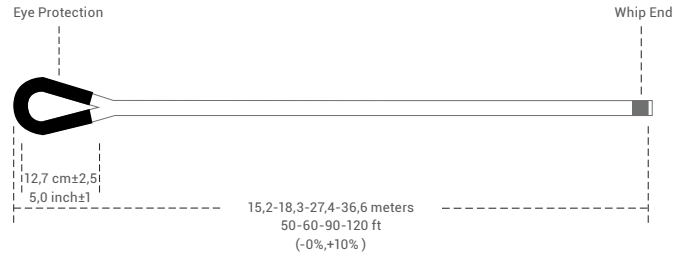
LUPES® FAST-EST

APPLICATIONS

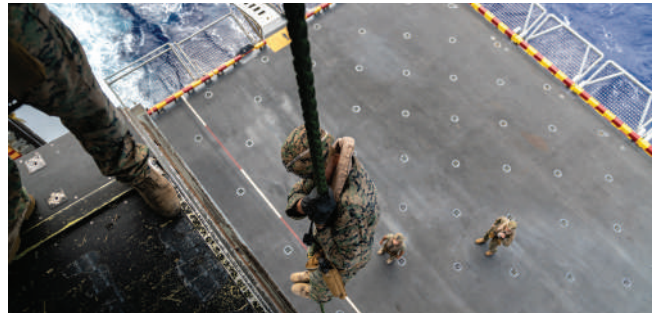
Personnel Insertion

BENEFITS / FEATURES

- Good Breaking Load
- Minimal Slippage
- Soft Touch
- Durable
- Easy To Splice
- Does Not Kink



Lupes® Fast - EST exclusively designed for quick deployment from helicopter. The eye spliced shall be made using a minimum of three full tucks and two half tucks. The free end shall be seared and whipped.



SPECIFICATIONS

Material	:	100% Spun Polyester Fiber
Type	:	L
Specific Gravity	:	~ 1,38 kg/dm ³
Construction	:	8 Strand Braided
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Elongation at Break	:	Max. %59
Fiber Water Absorption	:	Approx. %1-2
Wet Abrasion	:	Good
Dry Abrasion	:	Good
Standard	:	MIL-F-44422 (Only Applies to 44 mm)
Length	:	50-60-90-120 ft

Other Colours on Request

DIA (mm)	Weight (kg/100m)	Min. B.Load (kgf) Unspliced	Min. B.Load (kgf) Spliced	DIA (inch)	Weight (lbs/100ft)	Min. B.Load (lbs) Unspliced	Min. B.Load (lbs) Spliced
32	68,00	9.300	8.400	1-5/16"	45,70	20.460	18.480
40	100,00	14.300	12.900	1-5/8"	67,20	31.460	28.380
44	121,00	17.600	15.900	1-3/4"	81,30	38.720	34.980

Spliced Break Load (All tests are in Accordance with ISO 2307)

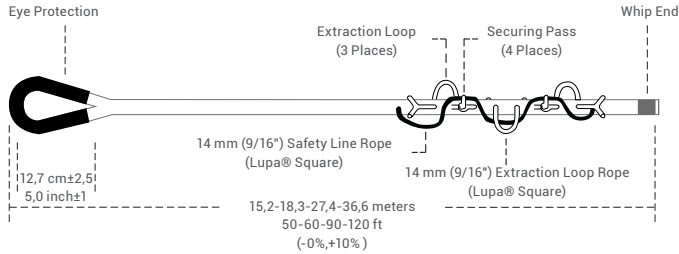
LUPES® FAST-EST/F.R.I.E.S

APPLICATIONS

Personnel Insertion and Extraction

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LUPES® FAST-EST/F.R.I.E.S ▶ INSERTION / EXTRACTION



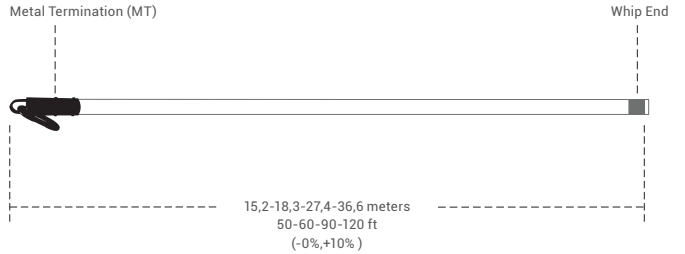
LUPES®FAST-MT

APPLICATIONS

Personnel Insertion

BENEFITS / FEATURES

- Good Breaking Load
- Minimal Slippage
- Soft Touch
- Durable
- Easy To Splice
- Does Not Kink



Lupes® Fast - MT exclusively designed for quick deployment from helicopter. Metal termination minimum strength **4.100 kgf (9.000 lbs)**.



SPECIFICATIONS

Material	:	100% Spun Polyester Fiber
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Construction	:	8 Strand Braided
UV Resistance	:	Excellent
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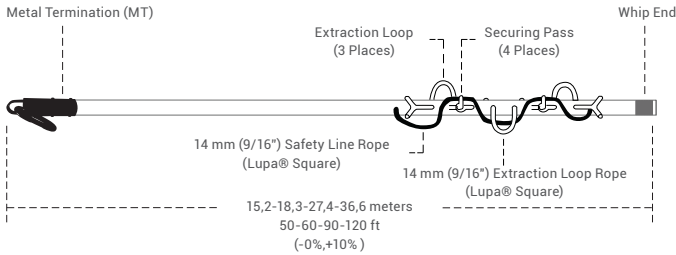
LUPES® FAST-MT/F.R.I.E.S

APPLICATIONS

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LUPES® FAST-MT/F.R.I.E.S INSERTION / EXTRACTION





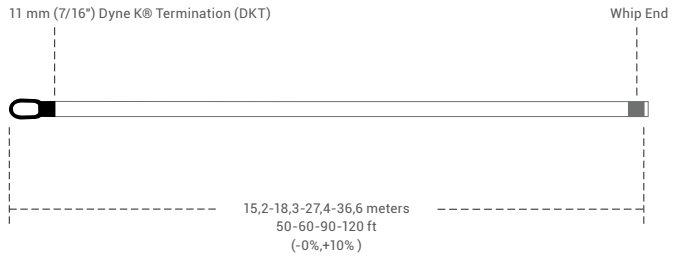
LUPES® FAST-DKT

APPLICATIONS

Personnel Insertion

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Lupes® Fast - DKT exclusively designed for quick deployment from helicopter. Dyne K® termination minimum strength **7.700 kgf (17.000 lbs)**.



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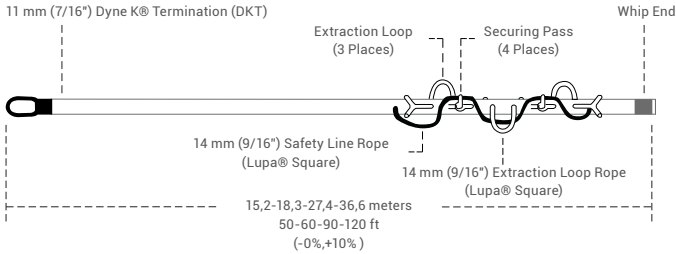
LUPES® FAST-DKT/F.R.I.E.S

APPLICATIONS

Personnel Insertion and Extraction

BENEFITS / FEATURES

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LUPES® FAST-DKT/F.R.I.E.S. INSERTION / EXTRACTION



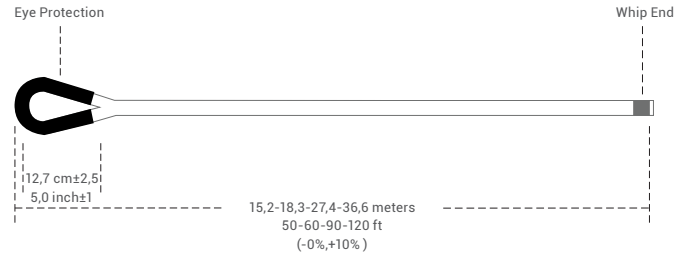
LUPA® FAST-EST

APPLICATIONS

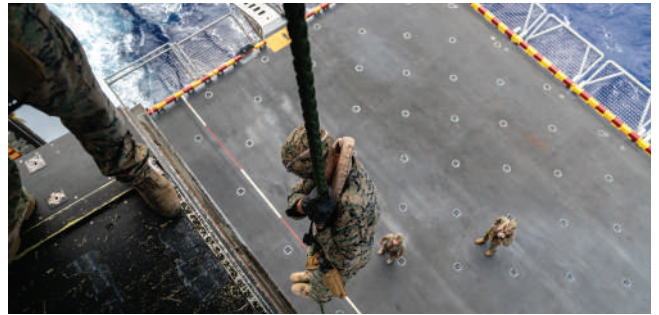
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Material	: 100% Polyamid BCF Fiber
Type	: L
Specific Gravity	: 1,14 kg/dm ³
Construction	: 8 Strand Braided
UV Resistance	: Very Good
Chemical Resistance	: Good
Melting Point	: 218°C
Critical Temperature	: 130°C
Elongation at Break	: Max. %59
Fiber Water Absorption	: Approx. %3-4
Wet Abrasion	: Sufficient
Dry Abrasion	: Good
Standard	: -
Length	: 50-60-90-120 ft

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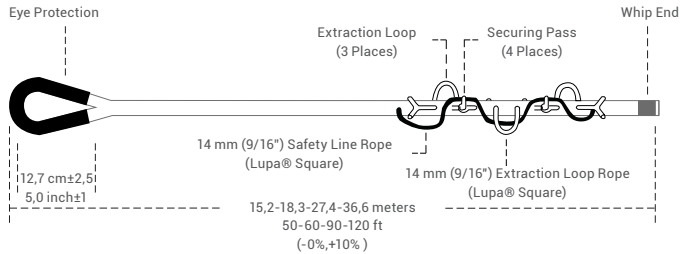
LUPA® FAST-EST/F.R.I.E.S

APPLICATIONS

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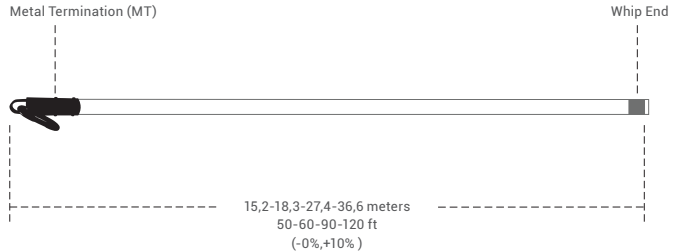
LUPA® FAST-MT

APPLICATIONS

Personnel Insertion and Extraction

BENEFITS / FEATURES

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Lupa® Fast - MT exclusively designed for quick deployment from helicopter. Metal termination minimum strength **4.100 kgf (9.000 lbs)**.



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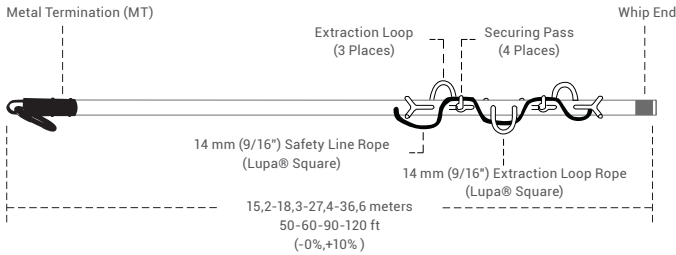
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LUPA® FAST-MT/F.R.I.E.S ▲ INSERTION / EXTRACTION



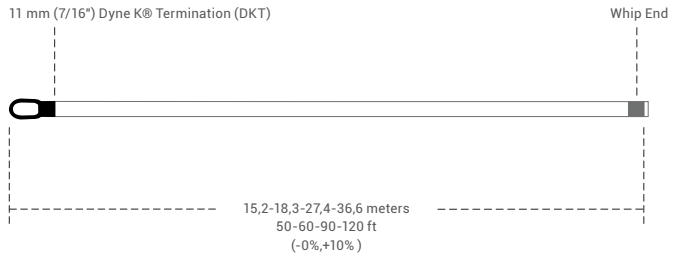
LUPA® FAST-DKT

APPLICATIONS

Personnel Insertion and Extraction

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Lupa® Fast - DKT exclusively designed for quick deployment from helicopter. Dyne K® termination minimum strength **7.700 kgf (17.000 lbs)**.



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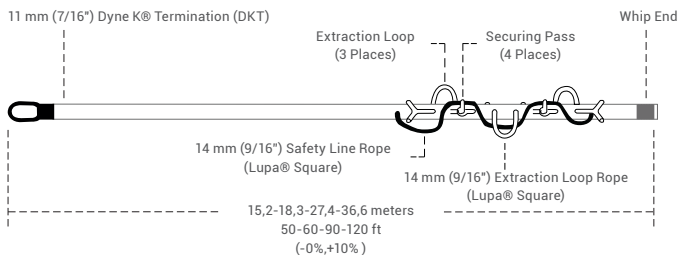
LUPA® FAST-DKT/F.R.I.E.S

APPLICATIONS

Personnel Insertion and Extraction

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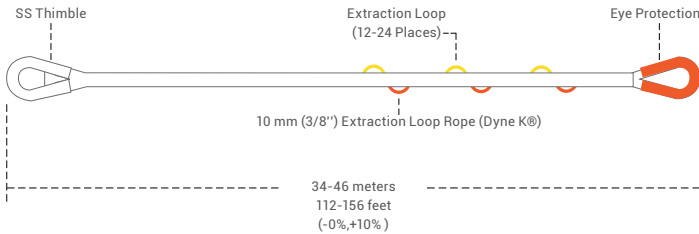
DYNE K[®] SPIE

APPLICATIONS

Rapid Deployment of Special Forces
 Personnel Insertion and Extraction

BENEFITS / FEATURES

Superior Abrasion Resistance
 Excellent Breaking Load (SK99)
 Buoyant
 Durable
 Very Low Stretch
 Lightweight
 Easy to Splice
 Does not Kink



The S.P.I.E Insertion & Extraction Systems of KAYA ROPES has been designed to provide efficient and safe procedures for inserting and evacuating personnel. This special line comes with 6 to 12 D-rings for attachment of personnel. The S.P.I.E Fast Rope is made of extremely strong and floatable Dyneema[®] SK78 fiber and has high strength anchorage suspension points to handle the resistance of extraction missions.

SPECIFICATIONS

Material	: Coated Dyneema [®] SK 78/99
Specific Gravity	: 0,97 kg/dm ³
Construction	: 12 Strand Braided
UV Resistance	: Excellent
Chemical Resistance	: Excellent
Melting Point	: 147°C
Critical Temperature	: 65°C
Working Stretch	: <1%
Fiber Water Absorption	: None
Wet Abrasion	: Excellent
Dry Abrasion	: Excellent
Standard	: ISO 10325
Length	: 112-156 feet

Other Colours & Larger Diameters Upon Request

DIA (mm)	Weight (kg/100m)	B.Load (kgf) SK78	B.Load (kgf) SK99	DIA (inch)	Weight (lbs/100ft)	B.Load (lbs) SK78	B.Load (lbs) SK99
20	23,20	38.760	45.737	13/16"	15,59	85.272	100.621

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



DYNE K[®] SPIE ▲ INSERTION / EXTRACTION





DYNE K®

APPLICATIONS

Towing Line
 Rapid Deployment of Special Forces
 Personnel Insertion and Extraction

BENEFITS / FEATURES

Superior Abrasion Resistance
 Excellent Breaking Load (SK99)
 Buoyant
 Durable
 Very Low Stretch
 Lightweight
 Easy to Splice
 Does not Kink

SPECIFICATIONS

Material	: Coated: Dyneema® SK 78/99
Specific Gravity	: 0,97 kg/dm ³
Construction	: 12 Strand Braided
UV Resistance	: Excellent
Chemical Resistance	: Excellent
Melting Point	: 147°C
Critical Temperature	: 65°C
Working Stretch	: <1%
Fiber Water Absorption	: None
Wet Abrasion	: Excellent
Dry Abrasion	: Excellent
Standard	: ISO 10325
Length	: 100-200 m Plastic/Wooden Spool or Coil

Other Colours & Larger Diameters Upon Request

DIA (mm)	Weight (kg/100m)	B.Load (kgf) SK78	B.Load (kgf) SK99	DIA (inch)	Weight (lbs/100ft)	B.Load (lbs) SK78	B.Load (lbs) SK99
2	0,25	425	502	5/64"	0,17	935	1.104
3	0,50	950	1.121	1/8"	0,34	2.090	2.466
4	0,95	1.650	1.947	5/32"	0,64	3.630	4.283
5	1,50	2.600	3.068	3/16"	1,01	5.720	6.750
6	2,30	3.750	4.425	1/4"	1,55	8.250	9.735
8	4,00	6.600	7.788	5/16"	2,69	14.520	17.134
10	6,10	10.400	12.272	3/8"	4,10	22.880	26.998
12	8,70	15.000	17.700	1/2"	5,85	33.000	38.940
14	11,70	20.400	24.072	9/16"	7,86	44.880	52.958
16	15,10	26.520	31.294	5/8"	10,15	58.344	68.847
18	19,00	31.620	37.312	3/4"	12,77	69.564	82.086
20	23,20	38.760	45.737	13/16"	15,59	85.272	100.621
22	28,10	45.900	54.162	7/8"	18,88	100.980	119.156
24	33,10	53.000	62.540	1"	22,24	116.600	137.588
26	38,40	61.200	72.200	1-1/16"	25,80	134.640	158.840
28	44,50	69.360	81.800	1-1/8"	29,90	152.592	179.960
30	50,60	78.540	92.600	1-1/4"	34,00	172.788	203.720
32	57,50	88.740	104.700	1-5/16"	38,64	195.228	230.340
34	64,80	97.920	115.500	1-3/8"	43,55	215.424	254.100
36	72,00	106.080	125.150	1-1/2"	48,38	233.376	275.330
38	79,80	118.320	139.600	1-9/16"	53,63	260.304	307.120
40	88,10	128.520	151.650	1-5/8"	59,20	282.744	333.630

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)

FORCE K[®]

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 UV Resistance : Excellent
 Chemical Resistance : Excellent
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 Critical Temperature : 65°C
 Working Stretch : <1,5%
 Fiber Water Absorption : None
 Wet Abrasion : Excellent
 Dry Abrasion : Excellent
 Standard : -
 Length : Upon Request

Other Colours & Larger Diameters Upon Request

DIA (mm)	Weight (kg/100m)	Min. B.Load (kgf) Unspliced	Min. B.Load (kgf) Spliced	DIA (inch)	Weight (lbs/100ft)	Min. B.Load (lbs) Unspliced	Min. B.Load (lbs) Spliced
2	0,25	404	364	5/64"	0,17	888	800
3	0,50	903	813	1/8"	0,34	1.986	1.789
4	0,95	1.568	1.412	5/32"	0,64	3.449	3.107
5	1,50	2.470	2.225	3/16"	1,01	5.434	4.895
6	2,30	3.563	3.192	1/4"	1,55	7.838	7.022
8	4,00	6.270	5.681	5/16"	2,69	13.794	12.498
10	6,10	9.880	8.911	3/8"	4,10	21.736	19.604
12	8,70	14.250	12.787	1/2"	5,85	31.350	28.131
12+	9,40	15.641	14.091	1/2+"	6,32	31.410	31.000
14	11,70	19.380	17.442	9/16"	7,86	42.636	38.372
15	13,50	21.695	19.545	19/32"	9,08	47.730	43.000
16	15,10	25.194	22.515	5/8"	10,15	55.427	49.533
17	16,90	26.993	24.318	11/16"	11,36	59.385	53.500
18	19,00	30.039	27.075	3/4"	12,77	66.086	59.565
19	21,90	34.814	31.364	25/32"	14,72	76.590	69.000
20	23,20	36.822	32.300	13/16"	15,59	81.008	71.060
22	28,10	43.605	38.760	7/8"	18,88	95.931	85.272
23	30,40	48.689	43.864	15/16"	20,44	107.115	96.500
24	33,10	50.350	45.543	1"	22,24	110.770	100.195
25	37,40	53.482	48.182	1-1/32"	25,14	117.660	106.000
26	38,40	58.140	52.326	1-1/16"	25,80	127.908	115.117
28	44,50	65.892	59.109	1-1/8"	29,90	144.962	130.040
30	50,60	74.613	66.861	1-1/4"	34,00	164.149	147.094
32	57,50	84.303	75.582	1-5/16"	38,64	185.467	166.280
34	64,80	93.024	83.334	1-3/8"	43,55	204.653	183.335
36	72,00	100.776	91.086	1-1/2"	48,38	221.707	200.389
37	76,30	106.459	95.909	1-17/32"	51,29	234.210	211.000
38	79,80	112.404	100.776	1-9/16"	53,63	247.289	221.707
40	88,10	122.094	109.497	1-5/8"	59,20	268.607	240.893

*Unspliced Break Load (All tests are in Accordance with ISO 2307)



FORCE K[®] ▲ INSERTION / EXTRACTION



STANDARDS OF ROPES

EN ISO 9554	Fibre Ropes - General Specifications
EN ISO 1968	Fibre Ropes and Cordage - Vocabulary
EN ISO 2307	Fibre Ropes - Determination of Certain Physical and Mechanical Properties
EN ISO 1140	Fibre Ropes - Polyamide - 3, - 4 and - 8 Strand Ropes
EN ISO 1141	Fibre Ropes - Polyester - 3, - 4 and - 8 Strand Ropes
EN ISO 1346	Fiber Ropes - Polypropylene - 3, - 4 and - 8 Strand Ropes
EN ISO 1181	Fibre Ropes - Manila and Sisal - 3,- 4 and - 8 Strand Ropes
ISO 10547	Polyester Fibre Ropes - Double Braid Construction
ISO 10554	Polyamide Fibre Ropes - Double Braid Construction
ISO 10572	Mixed Polyolef in Fibre Ropes
ISO 10325	Fibres Ropes - High Modulus Polyethylene - 8 Strand Braided Ropes, 12 Strand Braided Ropes and Covered Ropes
ISO 10556	Fibres Ropes of Polyester/Polyolef in Dual Fibres
EN 1891	Personel Protective Equipment for The Prevention of Falls From A Height - Low Stretch Kernmantel Ropes
EN 892	Mountaineering Equipment - Dynamic Mountaineering Ropes - Safety Requirements and Test Methods
EN 564	Mountaineering Equipment - Accessory Cord - Safety Requirements and Test Methods

STANDARDS OF ROPES

MIL-DTL 24050E	Polyamide Fibre Ropes - Double Braid Construction
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STANDARDS OF SLINGS

EN 1492-1+A1	Textile Slings - Safety - Part 1: Flat Woven Webbing Slings, Made of Man - Made Fibers for General Purpose Use
EN 1492-2+A1	Textile Slings - Safety - Part 2: Roundslings, Made of Man - Made Fibers for General Purpose Use

QUALITY - TEST

Kaya Ropes manufactures all kinds of ropes with technical specifications that are suitable for all kind of conditions & ropes made for a specific field with international quality certifications also offering a wide range of construction type and raw materials for every field where the safety of human life and property is of prime concern.

For certain type of products, Kaya Ropes has the type approval and inspection certificates from Turk Loydu. Additionally, Kaya Ropes offers inspection certificates from DNV-GL and Bureau Veritas upon special request from their clients.







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