



**KAYA  
ROPES**

# **FAST ROPES**

2024 | ENG

***Upgrade Your Lines***

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## KAYA COMPANIES

[www.kayacompanies.com](http://www.kayacompanies.com)

### Kaya Companies;

A leader in its field today, Kaya Group began business in the 1980's as Kaya Construction. 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 SAFETY | KAYA RESCUE | KAYA SPORT | KAYA LIFTING  
KAYA DEFENCE | KAYA TRAINING | KAYA ADVENTURE | KAYA ARCHITECTURE



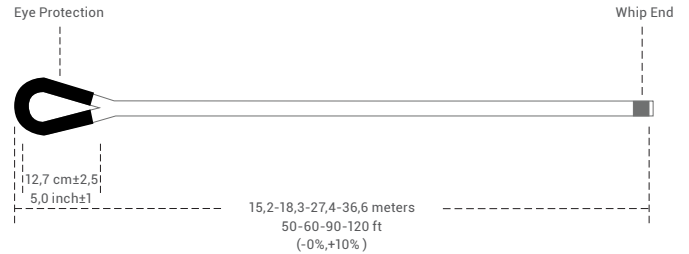
# LUPES® X FAST-EST

## APPLICATIONS

Personnel Insertion

## BENEFITS / FEATURES

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



**Lupes® X 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% HT Multiplex Polyester Fiber   |
| Type                   | : | L                                   |
| Specific Gravity       | : | ~ 1,38 kg/dm <sup>3</sup>           |
| 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       | 63,00            | 9.300                       | 8.400                     | 1-5/16     | 42,40              | 20.460                      | 18.480                    |
| 40       | 95,00            | 14.500                      | 13.150                    | 1-5/8      | 63,90              | 31.900                      | 28.930                    |
| 44       | 120,00           | 17.600                      | 15.900                    | 1-3/4      | 80,70              | 38.720                      | 34.980                    |

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

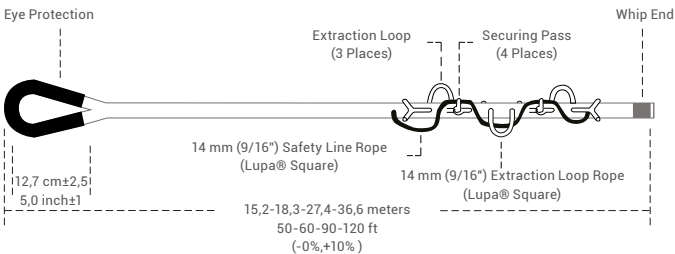
# LUPES® X FAST-EST/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupes® X Fast - EST / F.R.I.E.S** used for transportation & evacuation personnel. 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

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| Material               | : | 100% HT Multiplex Polyester Fiber   |
| Type                   | : | L                                   |
| Specific Gravity       | : | ~ 1,38 kg/dm³                       |
| 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 |
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Spliced Break Load (All tests are in Accordance with ISO 2307)

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

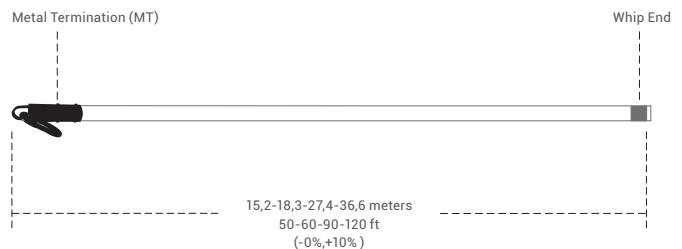
# LUPES® X FAST-MT

## APPLICATIONS

Personnel Insertion

## BENEFITS / FEATURES

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



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



## SPECIFICATIONS

|                        |                                       |
|------------------------|---------------------------------------|
| Material               | : 100% Multiplex Polyester Fiber      |
| Type                   | : L                                   |
| Specific Gravity       | : ~ 1,38 kg/dm³                       |
| 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       | 63,00            | 9.300                       | 8.400                     | 1-5/16     | 42,40              | 20.460                      | 18.480                    |
| 40       | 95,00            | 14.500                      | 13.150                    | 1-5/8      | 63,90              | 31.900                      | 28.930                    |
| 44       | 120,00           | 17.600                      | 15.900                    | 1-3/4      | 80,70              | 38.720                      | 34.980                    |

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

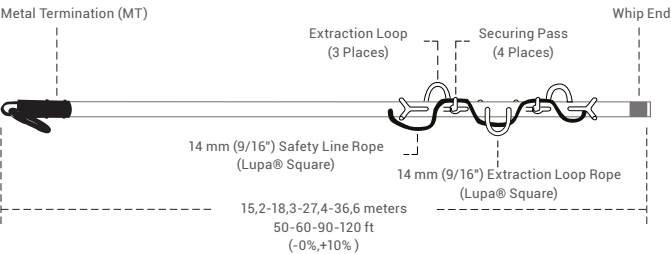
# LUPES® X FAST-MT/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupes® X Fast - MT / F.R.I.E.S** used for transportation & evacuation personnel. Metal termination minimum strength **4.100 kgf (9.000 lbs)**.



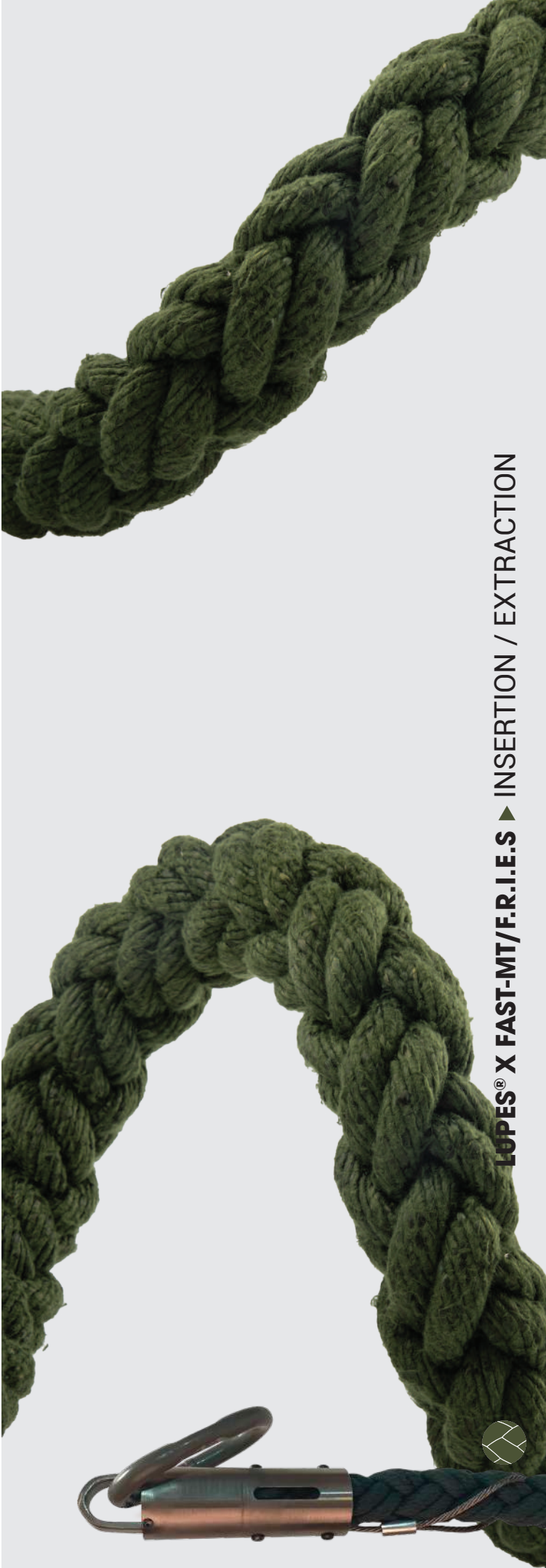
## SPECIFICATIONS

|                        |   |                                     |
|------------------------|---|-------------------------------------|
| Material               | : | 100% Multiplex Polyester Fiber      |
| Type                   | : | L                                   |
| Specific Gravity       | : | ~ 1,38 kg/dm³                       |
| 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       | 63,00            | 9.300                       | 8.400                     | 1-5/16     | 42,40              | 20.460                      | 18.480                    |
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Spliced Break Load (All tests are in Accordance with ISO 2307)



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

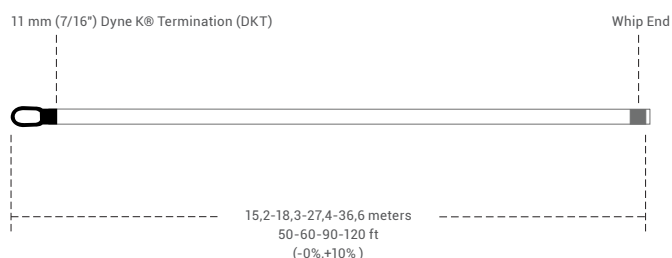
# LUPES® X FAST-DKT

## APPLICATIONS

Personnel Insertion

## BENEFITS / FEATURES

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



**Lupes® X Fast - DKT** exclusively designed for quick deployment from helicopter. Dyne K® termination minimum strength **6.000 kgf (13.250 lbs)**.



## SPECIFICATIONS

|                        |   |                                     |
|------------------------|---|-------------------------------------|
| Material               | : | 100% Multiplex Polyester Fiber      |
| Type                   | : | L                                   |
| Specific Gravity       | : | ~ 1,38 kg/dm3                       |
| Construction           | : | 8 Strand Plaited                    |
| 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 |
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| 32       | 63,00            | 9.300                       | 8.400                     | 1-5/16     | 42,40              | 20.460                      | 18.480                    |
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| 44       | 120,00           | 17.600                      | 15.900                    | 1-3/4      | 80,70              | 38.720                      | 34.980                    |

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

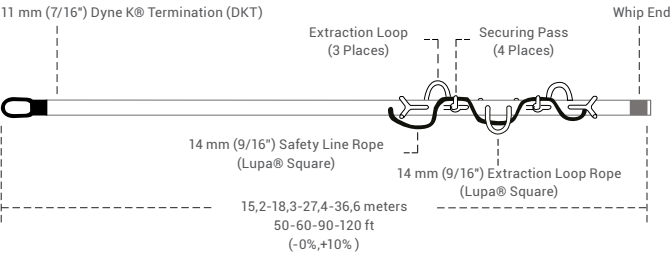
# LUPES® X FAST-DKT/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupes® X Fast - DKT with F.R.I.E.S** used for transportation & evacuation personnel. Dyne K® termination minimum strength **6.000 kgf (13.250 lbs)**.



## SPECIFICATIONS

|                        |   |                                     |
|------------------------|---|-------------------------------------|
| Material               | : | 100% Multiplex Polyester Fiber      |
| Type                   | : | L                                   |
| Specific Gravity       | : | ~ 1,38 kg/dm3                       |
| Construction           | : | 8 Strand Braided                    |
| UV Resistance          | : | Excellent                           |
| Chemical Resistance    | : | Good                                |
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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 |
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| 32       | 63,00            | 9.300                       | 8.400                     | 1-5/16     | 42,40              | 20.460                      | 18.480                    |
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Spliced Break Load (All tests are in Accordance with ISO 2307)



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





LUPA® FAST-EST ▲ INSERTION / EXTRACTION

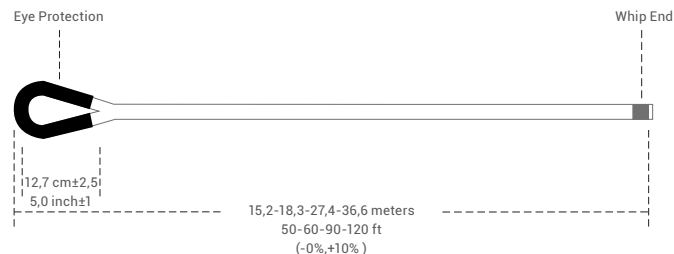
# LUPA® FAST-EST

## APPLICATIONS

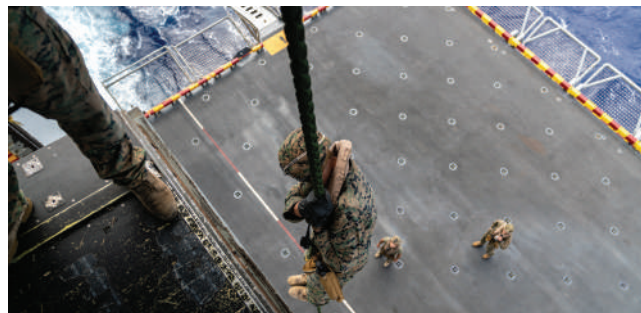
Personnel Insertion

## BENEFITS / FEATURES

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



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## SPECIFICATIONS

|                        |   |                          |
|------------------------|---|--------------------------|
| Material               | : | 100% Polyamide BCF Fiber |
| Type                   | : | L                        |
| Specific Gravity       | : | 1,14 kg/dm <sup>3</sup>  |
| 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          |

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       | 55,00            | 8.340                       | 7.500                     | 1-5/16     | 37,00              | 18.350                      | 16.500                    |
| 40       | 76,00            | 11.120                      | 10.000                    | 1-5/8      | 51,10              | 24.470                      | 22.000                    |
| 44       | 98,00            | 13.340                      | 12.000                    | 1-3/4      | 65,90              | 29.350                      | 26.400                    |

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

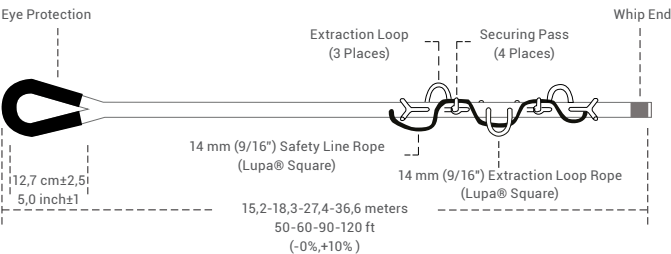
# LUPA® FAST-EST/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

- Good Breaking Load
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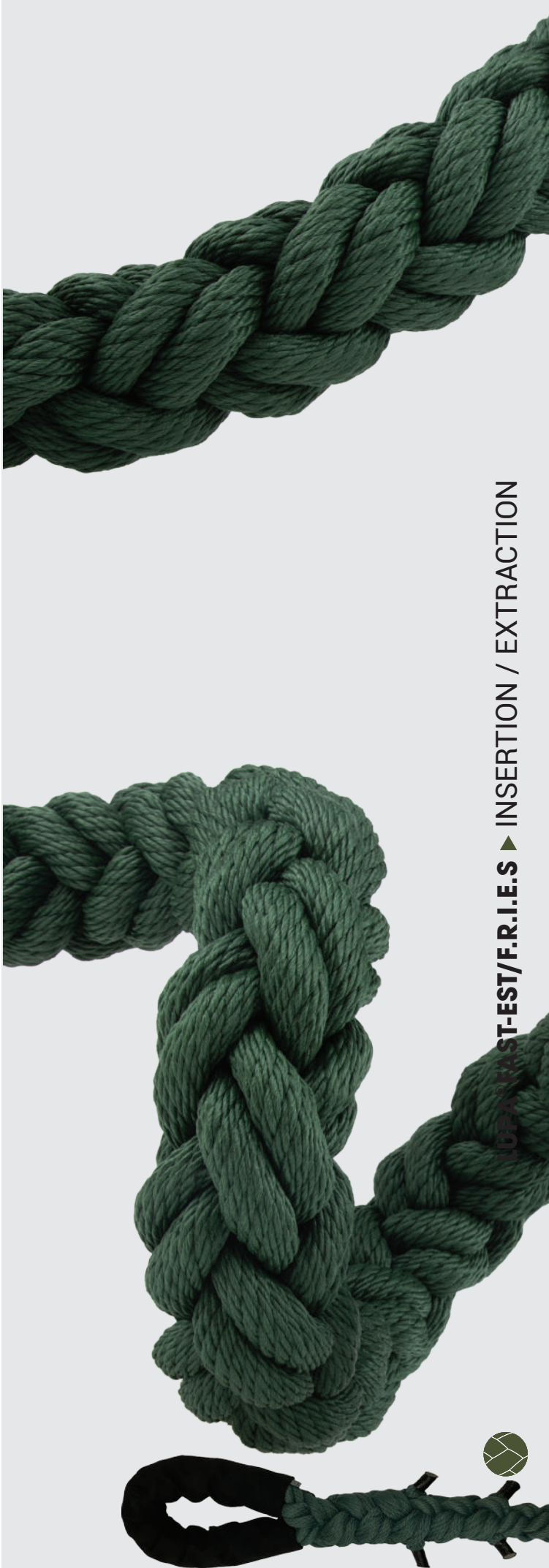
## SPECIFICATIONS

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



LUPA® FAST-EST/F.R.I.E.S ► INSERTION / EXTRACTION



LUPA® FAST-MT ▶ INSERTION / EXTRACTION

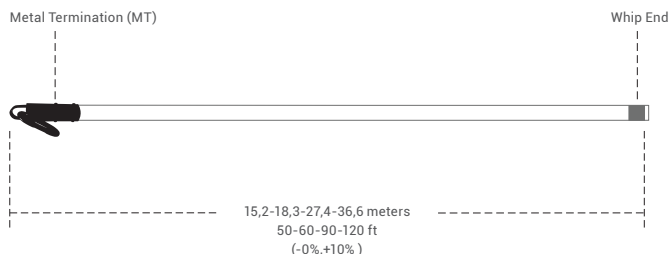
# LUPA® FAST-MT

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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| Standard               | : | -                        |
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Other Colours on Request

| DIA<br>(mm) | Weight<br>(kg/<br>100m) | Min.<br>B.Load<br>(kgf)<br>Unspliced | Min.<br>B.Load<br>(kgf)<br>Spliced | DIA<br>(inch) | Weight<br>(lbs/<br>100ft) | Min.<br>B.Load<br>(lbs)<br>Unspliced | Min.<br>B.Load<br>(lbs)<br>Spliced |
|-------------|-------------------------|--------------------------------------|------------------------------------|---------------|---------------------------|--------------------------------------|------------------------------------|
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Spliced Break Load (All tests are in Accordance with ISO 2307)

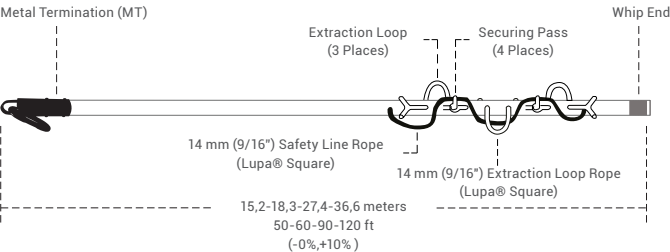
# LUPA® FAST-MT/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and Extraction

## BENEFITS / FEATURES

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



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





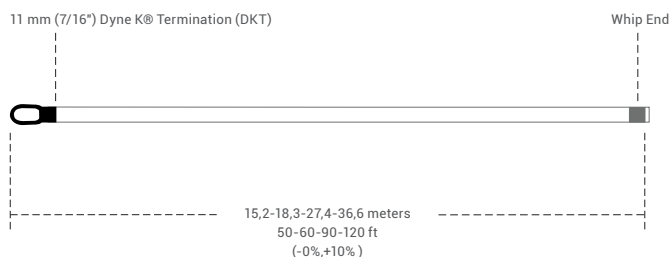
# LUPA® FAST-DKT

## APPLICATIONS

Personnel Insertion and Extraction

## BENEFITS / FEATURES

Minimal Slippage  
Soft Touch  
Durable  
Easy To Splice  
Does Not Kink



**Lupa® Fast - DKT** exclusively designed for quick deployment from helicopter. Dyne K® termination minimum strength **6.000 kgf (13.250 lbs)**.



## SPECIFICATIONS

|                        |                            |
|------------------------|----------------------------|
| Material               | : 100% Polyamide BCF Fiber |
| Type                   | : L                        |
| Specific Gravity       | : 1,14 kg/dm <sup>3</sup>  |
| Construction           | : 8 Strand Plaited         |
| 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          |

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       | 55,00            | 8.340                       | 7.500                     | 1-5/16     | 37,00              | 18.350                      | 16.500                    |
| 40       | 76,00            | 11.120                      | 10.000                    | 1-5/8      | 51,10              | 24.470                      | 22.000                    |
| 44       | 98,00            | 13.340                      | 12.000                    | 1-3/4      | 65,90              | 29.350                      | 26.400                    |

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

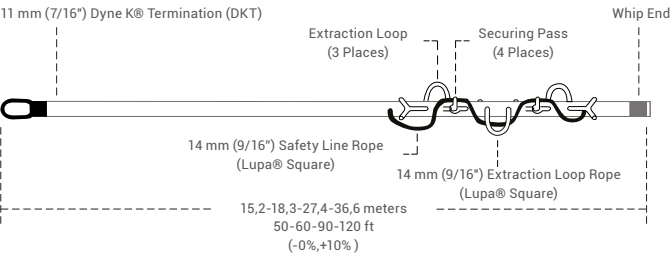
# LUPA® FAST-DKT/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupa® Fast - DKT with F.R.I.E.S** used for transportation & evacuation personnel. Dyne K® termination minimum strength **6.000 kgf (13.250 lbs)**.



## SPECIFICATIONS

|                        |   |                          |
|------------------------|---|--------------------------|
| Material               | : | 100% Polyamide BCF Fiber |
| Type                   | : | L                        |
| Specific Gravity       | : | 1,14 kg/dm <sup>3</sup>  |
| 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          |

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       | 55,00            | 8.340                       | 7.500                     | 1-5/16     | 37,00              | 18.350                      | 16.500                    |
| 40       | 76,00            | 11.120                      | 10.000                    | 1-5/8      | 51,10              | 24.470                      | 22.000                    |
| 44       | 98,00            | 13.340                      | 12.000                    | 1-3/4      | 65,90              | 29.350                      | 26.400                    |

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

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



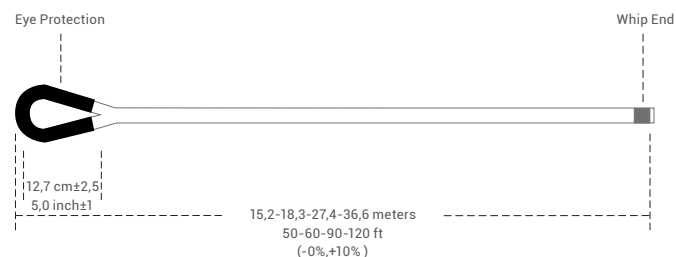
# LUPES® FAST-EST

## APPLICATIONS

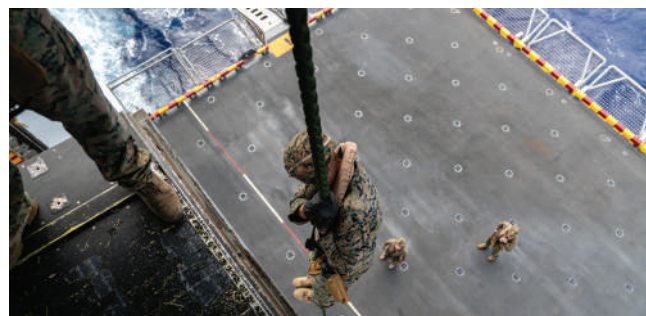
Personnel Insertion

## 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/dm³             |
| 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               | : -                         |
| 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)

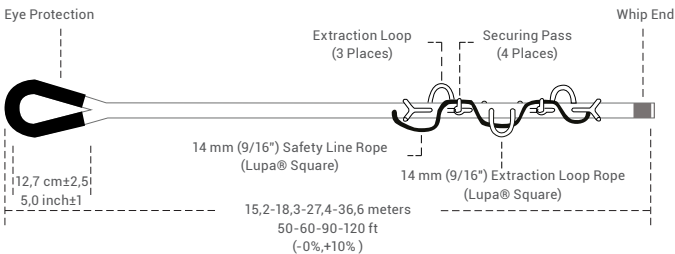
# LUPES® FAST-EST/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupes® Fast - EST / F.R.I.E.S** used for transportation & evacuation personnel. 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/dm³             |
| 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               | : -                         |
| 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 ► INSERTION / EXTRACTION

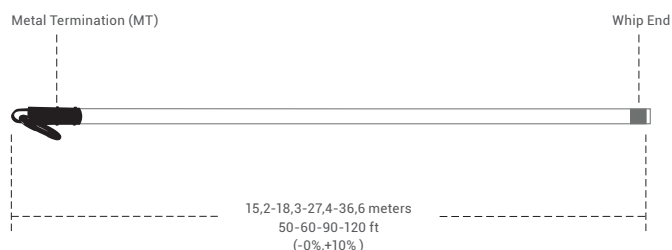
# LUPES® FAST-MT

## 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 |
| Type                   | : L                         |
| Specific Gravity       | : ~ 1,38 kg/dm³             |
| 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               | : -                         |
| 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)



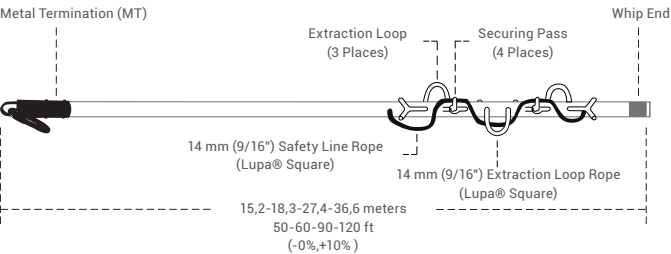
# LUPES® FAST-MT/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupes® Fast - MT / F.R.I.E.S** used for transportation & evacuation personnel. Metal termination minimum strength **4.100 kgf (9.000 lbs)**.



## SPECIFICATIONS

|                        |   |                           |
|------------------------|---|---------------------------|
| Material               | : | 100% Spun Polyester Fiber |
| Type                   | : | L                         |
| Specific Gravity       | : | ~ 1,38 kg/dm <sup>3</sup> |
| 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               | : | -                         |
| 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-MT/F.R.I.E.S INSERTION / EXTRACTION



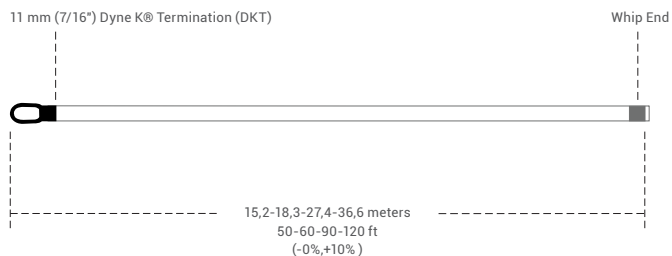
# LUPES® FAST-DKT

## APPLICATIONS

Personnel Insertion

## BENEFITS / FEATURES

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



**Lupes® Fast - DKT** exclusively designed for quick deployment from helicopter. Dyne K® termination minimum strength **6.000 kgf (13.250 lbs)**.



## SPECIFICATIONS

|                        |   |                           |
|------------------------|---|---------------------------|
| Material               | : | 100% Spun Polyester Fiber |
| Type                   | : | L                         |
| Specific Gravity       | : | ~ 1,38 kg/dm3             |
| Construction           | : | 8 Strand Plaited          |
| 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               | : | -                         |
| 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)

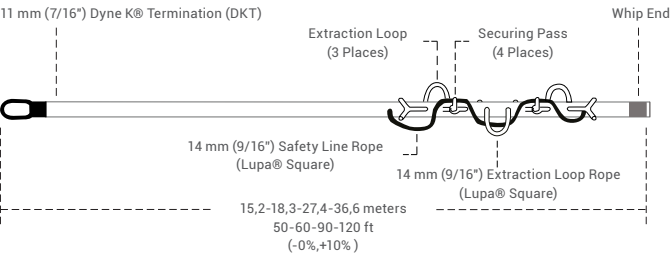
# LUPES® FAST-DKT/F.R.I.E.S

## APPLICATIONS

Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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



**Lupes® Fast - DKT with F.R.I.E.S** used for transportation & evacuation personnel. Dyne K® termination minimum strength **6.000 kgf (13.250 lbs)**.



## SPECIFICATIONS

|                        |   |                           |
|------------------------|---|---------------------------|
| Material               | : | 100% Spun Polyester Fiber |
| Type                   | : | L                         |
| Specific Gravity       | : | ~ 1,38 kg/dm3             |
| 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               | : | -                         |
| Length                 | : | 50-60-90-120 ft           |

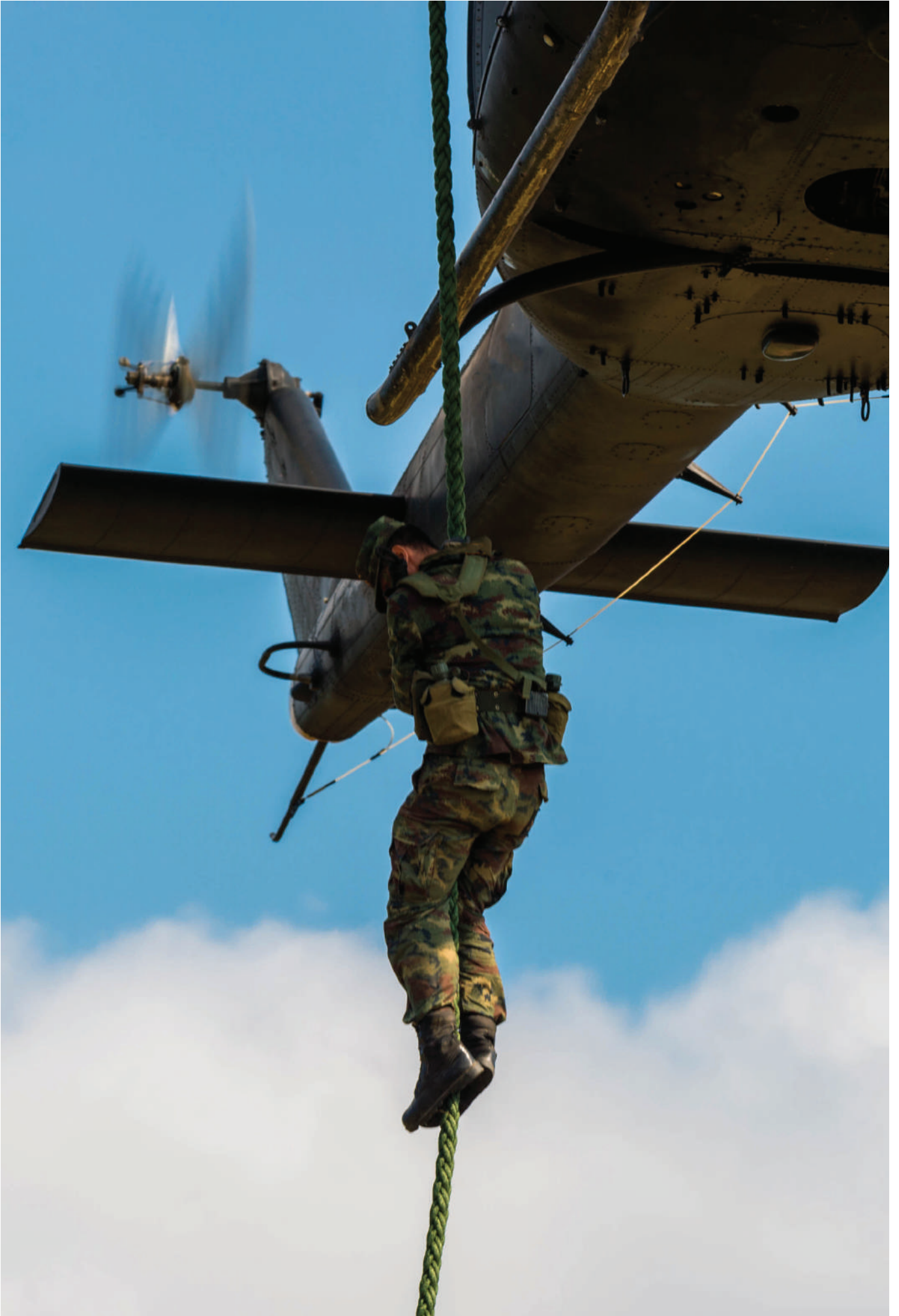
Other Colours on Request

| 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-DKT/F.R.I.E.S. INSERTION / EXTRACTION





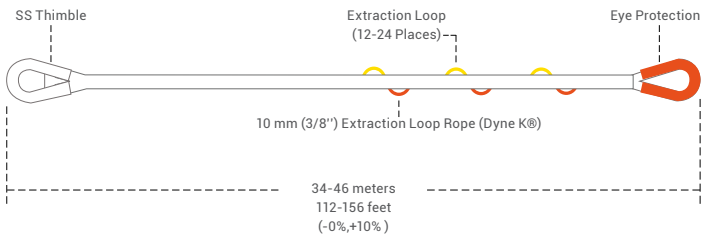
# DYNE K® SPIE

## 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/dm³              |
| 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               | : EN 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       | 23,30            | 38.760            | 45.779            | 13/16"     | 15,66              | 85.272            | 100.715           |

\*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 Fiber        |
| Specific Gravity       | : 0,97 kg/dm <sup>3</sup>                |
| 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               | : EN 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             | 450               | 531               | 3/32"      | 0,17               | 990               | 1.169             |
| 3        | 0,50             | 950               | 1.122             | 1/8"       | 0,34               | 2.090             | 2.468             |
| 4        | 0,95             | 1.700             | 2.008             | 5/32"      | 0,64               | 3.740             | 4.417             |
| 5        | 1,50             | 2.700             | 3.189             | 3/16"      | 1,01               | 5.940             | 7.016             |
| 6        | 2,30             | 4.080             | 4.819             | 1/4"       | 1,55               | 8.976             | 10.602            |
| 8        | 4,00             | 7.040             | 8.315             | 5/16"      | 2,69               | 15.488            | 18.293            |
| 10       | 6,10             | 10.750            | 12.697            | 13/32"     | 4,10               | 23.650            | 27.933            |
| 12       | 8,70             | 15.300            | 18.071            | 1/2"       | 5,85               | 33.660            | 39.756            |
| 14       | 11,70            | 20.400            | 24.094            | 9/16"      | 7,86               | 44.880            | 53.008            |
| 16       | 15,20            | 26.010            | 30.720            | 5/8"       | 10,21              | 57.222            | 67.585            |
| 18       | 19,00            | 32.130            | 37.949            | 3/4"       | 12,77              | 70.686            | 83.487            |
| 20       | 23,30            | 38.760            | 45.779            | 13/16"     | 15,66              | 85.272            | 100.715           |
| 22       | 28,00            | 45.900            | 54.212            | 7/8"       | 18,82              | 100.980           | 119.267           |
| 24       | 33,10            | 53.040            | 62.646            | 1"         | 22,24              | 116.688           | 137.820           |
| 26       | 38,60            | 61.200            | 72.283            | 1-1/16"    | 25,94              | 134.640           | 159.023           |
| 28       | 44,50            | 69.870            | 82.523            | 1-1/8"     | 29,90              | 153.714           | 181.552           |
| 30       | 50,80            | 79.050            | 93.366            | 1-1/4"     | 34,14              | 173.910           | 205.405           |
| 32       | 57,50            | 88.230            | 104.208           | 1-5/16"    | 38,64              | 194.106           | 229.259           |
| 34       | 64,60            | 98.430            | 116.256           | 1 3/8"     | 43,41              | 216.546           | 255.762           |
| 36       | 72,20            | 109.140           | 128.905           | 1-1/2"     | 48,52              | 240.108           | 283.592           |
| 38       | 80,10            | 119.850           | 141.555           | 1-9/16"    | 53,83              | 263.670           | 311.421           |
| 40       | 88,40            | 131.070           | 154.807           | 1-5/8"     | 59,40              | 288.354           | 340.575           |

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



# DYNE K<sup>®</sup> EXTREME

## APPLICATIONS

Towing Line  
Rapid Deployment of  
Special Forces  
Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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

## SPECIFICATIONS

|                        |                                               |
|------------------------|-----------------------------------------------|
| Material               | : Coated: Dyneema <sup>®</sup> SK 78/99 Fiber |
| Specific Gravity       | : 0,97 kg/dm <sup>3</sup>                     |
| 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               | : EN ISO 10325                                |
| Length                 | : 100-200 m Plastic/Wooden Spool or Coil      |

Other Colours & Larger Diameters Upon Request

| DIA<br>(mm) | Weight<br>(kg/<br>100m) | B.Load<br>(kgf)<br>SK78 | B.Load<br>(kgf)<br>SK99 | DIA<br>(inch) | Weight<br>(lbs/<br>100ft) | B.Load<br>(lbs)<br>SK78 | B.Load<br>(lbs)<br>SK99 |
|-------------|-------------------------|-------------------------|-------------------------|---------------|---------------------------|-------------------------|-------------------------|
| 2           | 0,25                    | 490                     | 579                     | 3/32"         | 0,17                      | 1.078                   | 1.273                   |
| 3           | 0,50                    | 1.030                   | 1.217                   | 1/8"          | 0,34                      | 2.266                   | 2.676                   |
| 4           | 0,92                    | 1.830                   | 2.161                   | 5/32"         | 0,62                      | 4.026                   | 4.755                   |
| 5           | 1,50                    | 2.910                   | 3.437                   | 3/16"         | 1,01                      | 6.402                   | 7.561                   |
| 6           | 2,23                    | 4.390                   | 5.185                   | 1/4"          | 1,50                      | 9.658                   | 11.407                  |
| 8           | 3,90                    | 7.570                   | 8.941                   | 5/16"         | 2,62                      | 16.654                  | 19.670                  |
| 10          | 6,00                    | 11.560                  | 13.654                  | 13/32"        | 4,03                      | 25.432                  | 30.038                  |
| 12          | 8,50                    | 16.450                  | 19.429                  | 1/2"          | 5,71                      | 36.190                  | 42.744                  |
| 14          | 11,40                   | 21.930                  | 25.902                  | 9/16"         | 7,66                      | 48.246                  | 56.983                  |
| 16          | 14,80                   | 27.960                  | 33.540                  | 5/8"          | 9,95                      | 61.512                  | 72.678                  |
| 18          | 18,50                   | 34.540                  | 40.795                  | 3/4"          | 12,43                     | 75.988                  | 89.749                  |
| 20          | 22,70                   | 41.670                  | 49.216                  | 13/16"        | 15,25                     | 91.674                  | 108.276                 |
| 22          | 27,20                   | 49.350                  | 58.287                  | 7/8"          | 18,28                     | 108.570                 | 128.232                 |
| 24          | 32,20                   | 57.020                  | 67.346                  | 1"            | 21,64                     | 125.444                 | 148.162                 |
| 26          | 37,50                   | 65.790                  | 77.705                  | 1-1/16"       | 25,20                     | 144.738                 | 170.950                 |
| 28          | 43,30                   | 75.120                  | 88.724                  | 1-1/8"        | 29,10                     | 165.264                 | 195.193                 |
| 30          | 49,40                   | 84.980                  | 100.370                 | 1-1/4"        | 33,20                     | 186.956                 | 220.814                 |
| 32          | 55,90                   | 94.850                  | 112.027                 | 1-5/16"       | 37,56                     | 208.670                 | 246.460                 |
| 34          | 62,80                   | 105.820                 | 124.984                 | 1 3/8"        | 42,20                     | 232.804                 | 274.965                 |
| 36          | 70,10                   | 117.330                 | 138.578                 | 1-1/2"        | 47,11                     | 258.126                 | 304.873                 |
| 38          | 77,80                   | 128.840                 | 152.173                 | 1-9/16"       | 52,28                     | 283.448                 | 334.780                 |
| 40          | 85,90                   | 140.910                 | 166.429                 | 1-5/8"        | 57,72                     | 310.002                 | 366.143                 |

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



DYNE K<sup>®</sup> EXTREME ► INSERTION / EXTRACTION



# FORCE K® MAX

## APPLICATIONS

Towing Line  
Rapid Deployment of  
Special Forces  
Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

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

## SPECIFICATIONS

|                        |                           |
|------------------------|---------------------------|
| Material               | : Coated :UHMWPE Fiber    |
| Specific Gravity       | : 0,97 kg/dm <sup>3</sup> |
| 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               | : EN ISO 10325            |
| Length                 | : Upon Request            |

Other Colours & Larger Diameters Upon Request

| DIA<br>(mm) | Weight<br>(kg/<br>100m) | Min.<br>B.load<br>(kgf)<br>Unspliced | Min.<br>B.load<br>(kgf)<br>Spliced | DIA<br>(inch) | Weight<br>(lbs/<br>100ft) | Min.<br>B.load<br>(lbs)<br>Unspliced | Min.<br>B.load<br>(lbs)<br>Spliced |
|-------------|-------------------------|--------------------------------------|------------------------------------|---------------|---------------------------|--------------------------------------|------------------------------------|
| 2           | 0,25                    | 450                                  | 405                                | 3/32"         | 0,17                      | 990                                  | 891                                |
| 3           | 0,50                    | 950                                  | 855                                | 1/8"          | 0,34                      | 2.090                                | 1.881                              |
| 4           | 0,95                    | 1.700                                | 1.530                              | 5/32"         | 0,64                      | 3.740                                | 3.366                              |
| 5           | 1,50                    | 2.700                                | 2.430                              | 3/16"         | 1,01                      | 5.940                                | 5.346                              |
| 6           | 2,30                    | 4.080                                | 3.675                              | 1/4"          | 1,55                      | 8.976                                | 8.085                              |
| 8           | 4,00                    | 7.040                                | 6.330                              | 5/16"         | 2,69                      | 15.488                               | 13.926                             |
| 10          | 6,10                    | 10.750                               | 9.700                              | 13/32"        | 4,10                      | 23.650                               | 21.340                             |
| 12          | 8,70                    | 15.300                               | 13.770                             | 1/2"          | 5,85                      | 33.660                               | 30.294                             |
| 14          | 11,70                   | 20.400                               | 18.360                             | 9/16"         | 7,86                      | 44.880                               | 40.392                             |
| 16          | 15,20                   | 26.010                               | 23.645                             | 5/8"          | 10,21                     | 57.222                               | 52.020                             |
| 18          | 19,00                   | 32.130                               | 29.065                             | 3/4"          | 12,77                     | 70.686                               | 63.943                             |
| 20          | 23,30                   | 38.760                               | 34.675                             | 13/16"        | 15,66                     | 85.272                               | 76.285                             |
| 22          | 28,00                   | 45.900                               | 41.300                             | 7/8"          | 18,82                     | 100.980                              | 90.860                             |
| 24          | 33,10                   | 53.040                               | 47.930                             | 1"            | 22,24                     | 116.688                              | 105.446                            |
| 26          | 38,60                   | 61.200                               | 55.065                             | 1-1/16"       | 25,94                     | 134.640                              | 121.143                            |
| 28          | 44,50                   | 69.870                               | 62.715                             | 1-1/8"        | 29,90                     | 153.714                              | 137.973                            |
| 30          | 50,80                   | 79.050                               | 71.385                             | 1-1/4"        | 34,14                     | 173.910                              | 157.047                            |
| 32          | 57,50                   | 88.230                               | 79.540                             | 1-5/16"       | 38,64                     | 194.106                              | 174.988                            |
| 34          | 64,60                   | 98.430                               | 88.720                             | 1 3/8"        | 43,41                     | 216.546                              | 195.184                            |
| 36          | 72,20                   | 109.140                              | 98.405                             | 1-1/2"        | 48,52                     | 240.108                              | 216.491                            |
| 38          | 80,10                   | 119.850                              | 108.090                            | 1-9/16"       | 53,83                     | 263.670                              | 237.798                            |
| 40          | 88,40                   | 131.070                              | 117.780                            | 1-5/8"        | 59,40                     | 288.354                              | 259.116                            |

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



# FORCE K<sup>®</sup> MAX EXTREME

## APPLICATIONS

Towing Line  
Rapid Deployment of  
Special Forces  
Personnel Insertion and  
Extraction

## BENEFITS / FEATURES

Superior Abrasion Resistance  
Superior Breaking Load  
Buoyant  
Durable  
Extremely Low Stretch  
Lightweight  
Easy to Splice  
Does not Kink

## SPECIFICATIONS

|                        |                           |
|------------------------|---------------------------|
| Material               | : Coated :UHMWPE Fiber    |
| Specific Gravity       | : 0,97 kg/dm <sup>3</sup> |
| 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               | : EN ISO 10325            |
| Length                 | : Upon Request            |

Other Colours & Larger Diameters Upon Request

| DIA<br>(mm) | Weight<br>(kg/<br>100m) | Min.<br>B.load<br>(kgf)<br>Unspliced | Min.<br>B.load<br>(kgf)<br>Spliced | DIA<br>(inch) | Weight<br>(lbs/<br>100ft) | Min.<br>B.load<br>(lbs)<br>Unspliced | Min.<br>B.load<br>(lbs)<br>Spliced |
|-------------|-------------------------|--------------------------------------|------------------------------------|---------------|---------------------------|--------------------------------------|------------------------------------|
| 2           | 0,25                    | 490                                  | 441                                | 3/32"         | 0,17                      | 1.078                                | 970                                |
| 3           | 0,50                    | 1.030                                | 927                                | 1/8"          | 0,34                      | 2.266                                | 2.039                              |
| 4           | 0,92                    | 1.830                                | 1.647                              | 5/32"         | 0,62                      | 4.026                                | 3.623                              |
| 5           | 1,50                    | 2.910                                | 2.619                              | 3/16"         | 1,01                      | 6.402                                | 5.762                              |
| 6           | 2,23                    | 4.390                                | 3.951                              | 1/4"          | 1,50                      | 9.658                                | 8.692                              |
| 8           | 3,90                    | 7.570                                | 6.813                              | 5/16"         | 2,62                      | 16.654                               | 14.989                             |
| 10          | 6,00                    | 11.560                               | 10.404                             | 13/32"        | 4,03                      | 25.432                               | 22.889                             |
| 12          | 8,50                    | 16.450                               | 14.805                             | 1/2"          | 5,71                      | 36.190                               | 32.571                             |
| 14          | 11,40                   | 21.930                               | 19.737                             | 9/16"         | 7,66                      | 48.246                               | 43.421                             |
| 16          | 14,80                   | 27.960                               | 25.165                             | 5/8"          | 9,95                      | 61.512                               | 55.362                             |
| 18          | 18,50                   | 34.540                               | 31.086                             | 3/4"          | 12,43                     | 75.988                               | 68.389                             |
| 20          | 22,70                   | 41.670                               | 37.500                             | 13/16"        | 15,25                     | 91.674                               | 82.501                             |
| 22          | 27,20                   | 49.350                               | 44.408                             | 7/8"          | 18,28                     | 108.570                              | 97.698                             |
| 24          | 32,20                   | 57.020                               | 51.316                             | 1"            | 21,64                     | 125.444                              | 112.896                            |
| 26          | 37,50                   | 65.790                               | 59.211                             | 1-1/16"       | 25,20                     | 144.738                              | 130.264                            |
| 28          | 43,30                   | 75.120                               | 67.599                             | 1-1/8"        | 29,10                     | 165.264                              | 148.718                            |
| 30          | 49,40                   | 84.980                               | 76.481                             | 1-1/4"        | 33,20                     | 186.956                              | 168.258                            |
| 32          | 55,90                   | 94.850                               | 85.363                             | 1-5/16"       | 37,56                     | 208.670                              | 187.798                            |
| 34          | 62,80                   | 105.820                              | 95.231                             | 1 3/8"        | 42,20                     | 232.804                              | 209.508                            |
| 36          | 70,10                   | 117.330                              | 105.593                            | 1-1/2"        | 47,11                     | 258.126                              | 232.304                            |
| 38          | 77,80                   | 128.840                              | 115.955                            | 1-9/16"       | 52,28                     | 283.448                              | 255.101                            |
| 40          | 85,90                   | 140.910                              | 126.810                            | 1-5/8"        | 57,72                     | 310.002                              | 278.982                            |

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



FORCE K<sup>®</sup> MAX EXTREME ► 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 | Fibre 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 |
| MIL-F-44422    | Fibre Rope Assembly, Insertion/Extraction         |

## 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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