



Rope for rapid deployment from helicopters **FAST ROPE**
and version for transportation and evacuation **F.R.I.E.S.**

LANEX a.s. is the leading manufacturer of braided and twisted ropes in the Czech Republic as well as being one of the major European manufacturers of ropes and cords. All of the high-performance and innovative products are developed and produced in the Czech Republic and comply fully with European standards.

In the production of the unique **Fast Rope**, special PA BCF fibres are used which give superior protection during descending, having high resistance to wear and rupture. The rope with a diameter of 44 mm and a unique construction offers the user good control during descending without additional delay. We are able to supply our key military clients in many countries with **Fast Ropes** also in diameters 40 mm and 32 mm.

We offer three types of terminations for suspension, as standard:

- **spliced eye** with high strength and resistance, for frequent straining and loading (e.g. in practising)
- **eye made of express slings (ST-short termination)** - lightweight and especially short eye with high strength, the express slings are protected by PES fabric "ripstop" which protects them against wear and tear. Easy examination of seams and express slings after removal of the protector. In emergency the rope may be simply cut at the termination
- **eye with metal termination (MT-metal termination)** for different types of metal connectors and hooks

When developing our ropes, including various types of termination, we cooperate with end users and aviation authorities in individual countries. For instance, in the Czech Republic with the Fast Deployment Units of the Police.

- ropes are released post deployment
- eliminates risk of injury to persons on the ground
- inhouse factory spliced eyes
- designed for use with helicopter cargo hooks

F.R.I.E.S.

(Fast Rope Insertion and Extraction System)

Multi-use product designed for rapid deployment and retrieval, reducing the risk to helicopters and personnel. Each LANEX/TENDON F.R.I.E.S. can carry 6 - 8 fully equipped personnel, with its sling and lanyard system.

F.R.I.E.S. is available with the same choice of terminations as the Fast Rope.

Rope diameter, pre-tensioned according to EN ISO 2307 (245 kg) (mm)	44	40	32
Rope diameter, loose (zero tension) (mm)	50	46	38
Rope weight, pre-tensioned according to EN 2307 (245 kg) (kg/100 m)	77	60	42
Rope weight, loose (zero tension) (kg/100 m)	96	75	52
Minimum rope strength with spliced eye (kg)	12 000	10 000	7 500
Minimum rope strength with sewn loop with textile protection (kg)	6 000	6 000	6 000
Minimum rope strength with steel termination (kg)	3 000	3 000	-
Minimum strength of suspension sling (F.R.I.E.S.) (kg)	2 500	2 500	2 500
Rope elongation, pre-tensioned according to EN ISO 2307 (245 kg) (%)	25	25	25



STANDARD TYPE OF TERMINATIONS

a) Spliced loop with textile protection



b) Short termination (sewn loop) with textile protection

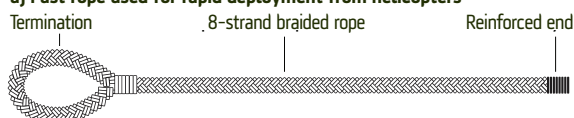


c) Metal termination

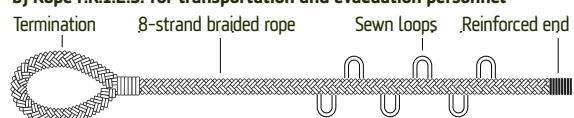


TYPE OF ROPES

a) Fast rope used for rapid deployment from helicopters



b) Rope F.R.I.E.S. for transportation and evacuation personnel



REFERENCES

DYNAMIC AND STATIC ROPES TENDON



ARMY OF

• AUSTRALIA	• FRANCE	• LATVIA	• SAUDI ARABIA
• AUSTRIA	• GERMANY	• LITHUANIA	• SINGAPORE
• CZECH REPUBLIC	• GREECE	• MALAYSIA	• SLOVAKIA
• CHINA	• INDIA	• MAURITIUS	• SOUTH KOREA
• EGYPT	• INDONESIA	• ROMANIA	• UAE
• ESTONIA	• ITALY	• POLAND	• UK