



DuraTEN – high strength
fiber rope made of UHMWPE

DuraTEN – high strength fiber rope made of UHMWPE

DuraTEN is a high strength fiber rope, made of UHMWPE fibers. It offers a high breaking strength, has a high reverse bending fatigue strength, and a long service life and is optionally available with a PES cover (DuraTEN Pro-P).

UHMWPE (ultrahigh-molecular-weight polyethylene)-fibers are distinguished by their extremely high strength in comparison to their weight. Other characteristics of this high-end and very versatile fiber include: maximum abrasion resistance, low elongation, no water absorption, buoyancy and good UV resistance.



Your benefits

- ✓ 7 times less weight than comparable steel wire ropes
- ✓ High breaking force - higher than that of most steel wire ropes of the same diameter available in the market
- ✓ No corrosion and/or soiling caused by rope grease
- ✓ No danger of injury, easy and quick handling
- ✓ Flexible design
- ✓ High abrasion resistance especially when provided with a cover
- ✓ High reverse bending fatigue strength and long service life
- ✓ The kinetic energy released on rope damage is considerably lower than in case of steel wire ropes

Applications and fields of use

Wherever high breaking forces combined with lowest weight and minimal stretch are required for example for:

- In vehicle winches for off-road, maintenance, recovery and military vehicles
- Overhead line construction
- Motor winches
- Mounting ropes
- and much more



DuraTEN		DuraTEN Pro-P			DuraTEN / DuraTEN Pro-P
Rope Ø	Weight	Core Ø Pro-P	Rope Ø Pro-P	Weight Pro-P	MBL*
mm	g/m	mm	mm	g/m	kN
5	15	5	7	30	21
6	20	6	8	40	35
7	27	7	9	56	43
8	34	8	10	65	55
9	44	9	11	78	72
10	54	10	12	88	85
11	65	11	13	140	107
12	76	12	15	180	125
14	107	14	17	215	160
16	144	16	20	305	220

* minimum breaking load rope in free length

WARNING

Using these products may be dangerous. Only use our products for the purposes they are intended for. Customers must ensure that the persons using these products are familiar with their correct use and the necessary safety precautions. Please bear in mind that any of these products may cause damage or harm when used improperly or subjected to excessive loads. TEUFELBERGER® and 拖飞宝® are internationally registered trademarks of TEUFELBERGER Group. Dyneema® is a registered trademark of DSM.

TEUFELBERGER Fiber Rope GmbH, Vogelweiderstraße 50, 4600 Wels, Austria

Telephone: +43 (0) 7242 413-0, Fax: +43 (0) 7242 413-169, fiberrope@teufelberger.com, www.teufelberger.com