



 **Teufelberger**

DuraTEN – high strength
fiber rope made of UHMWPE

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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
- Motor winches
- Mounting ropes
- Overhead line construction
- 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	104	107
12	76	12	15	130	125
14	107	14	17	183	160
16	144	16	20	250	220
18	219	18	24	384	258
22	272	22	28	470	378
24	348	24	30	581	436
26	388	26	32	655	500
28	461	28	34	780	591
30	545	30	36	915	663
33	603	33	40	1.020	738
35	676	35	42	1.050	823
36	726	36	44	1.235	912
40	958	40	48	1.585	1.134
42	1.042	42	50	1.750	1.343
48	1.223	48	60	2.100	1.525
52	1.510	52	64	2.612	1.810
56	1.704	56	68	2.940	2.148
60	1.914	60	72	3.273	2.353
64	2.283	64	77	3.790	2.651
66	2.405	68	82	4.285	2.800
72	2.817	72	88	4.798	3.332

* minimum breaking load of spliced rope

! 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.

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