



STROFT Fishing Lines
ASPO GmbH

ASPO GmbH * Im Weddern 7 * 23858 Reinfeld * Germany



All "Monofilaments" with the
EFTTA Line Standard
STROFT does what it's says!

Dear STROFT customer,

Reinfeld in December 2023

an exciting year 2023 is almost behind us. We hope that you were able to spend a few wonderful and successful hours by the water!

Today you will receive the **ASPO customer catalog 2024** fresh from the press, with detailed descriptions and technical details about all of our products. You can also find the catalog in our **ASPO shop** at www.stroft.de.

In 2023, our focus was on two things: ensuring delivery as perfectly as possible and trying to absorb the further increased costs internally in order to prevent a further price increase! These steps were successful. This means that prices remain at the 2023 level.

And we can also promise almost **100% delivery capability** for 2024. This is rather the exception these days!

In almost all cases, your order will be shipped on the day the order is received and without any further **processing** or **shipping costs for orders over 50,- €**. Furthermore, for orders of €50 or more you will also receive a **free 100m spool or a 25m leader spool with a mounted cutter ring** of your choice (except STROFT GTP, STROFT FC and STROFT NiTi). And our attractive value discount starts at 50,- €:

From 50,- € = 5% discount – from 100,- € = 10% discount – from 150,- € = 15% discount – from 250,- € = 20% discount

If you have any questions about our products or need advice, please feel free to contact us at any time! We are here to help you with advice and support!

We wish you a nice end to the year 2023 and a successful year 2024, especially with good health, but also tight lines!

Walter Kummerow, André Giermann, Ronald Pasch

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District court: Lübeck



The STROFT Philosophy?

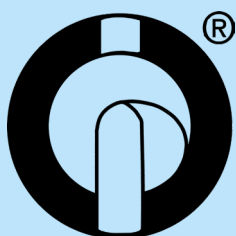
We are committed to utilizing the newest technology available in order to offer the best fishing lines that are technically possible. See also www.stroft.de -> FAQs -> Company history.

In order to achieve this we concentrate all our energy and capacity solely into producing this one product – and we have been doing that for more than 47 years. We have cultivated a huge knowledge-base through our constant contact with leading research and development departments within the plastics and monofilament industries. We have also developed a great deal of technical know-how through our own exhaustive tests and investigations. This knowledge forms the basis in creating and formulating our own stringent expectations for STROFT fishing lines. The most capable extruding and braiding plants available manufacture these lines exclusively for us. Our requirements are continuously verified and, if necessary, adjusted. In this way we ensure the constant flow of new knowledge and developments into our products, we don't change the product names we just improve them continuously; e.g. the monofilament STROFT GTM has undergone over 48 improvements. The braided STROFT GTP has been improved over 30 times. This is the basis of the flexibility, ingenuity and superiority that ear marks STROFT products.

The meaning of the name „STROFT”










The name STROFT is composed of the first three letters of the English word strong and the last three letters of the English word soft. STROFT is the registered trade name for fishing lines manufactured by the German company WAKU. Trademark protection has been applied for and granted in more than 40 countries so far. Also the WAKU logo, the STROFT knot is protected in more than 40 countries.

The
STROFT knot



Introduction	page 2
Line overview	page 3
Monofilaments made of Polyamide-alloys	page 4 - 11
General information	page 4
STROFT N	page 5
STROFT color	page 6
STROFT ABR	page 7
STROFT GTM	page 8 - 9
STROFT LS	page 10 - 11
Monofilament made of Fluorocarbon	page 12 - 14
General information	page 12
STROFT FC 1	page 13
STROFT FC 2	page 14
Polyfilament/Braided made of UHMWPE	page 15 - 19
General information	page 15
Line test - comparison of diameters	page 16
STROFT GTP Type R	page 17
STROFT GTP Type E	page 18
STROFT GTP Type S	page 19
STROFT Predator - soft bait series	page 20 - 23
Description STROFT Predator	page 20 - 21
STROFT Predator P-6, P-10, P-14, P-18, P-22	page 22
STROFT Predator size overview (true to original)	page 23
STROFT - Leader spools system	page 24 - 26
Description Leader spools system	page 24 - 25
STROFT Cutter ring	page 26
STROFT Spool holder	page 26
STROFT Short-Strap	page 26
STROFT Leader spools system sets	page 26
STROFT Predator leader	page 27
STROFT NiTi Monowire	page 27
STROFT NiTi Polywire	page 27
Accessories	page 28
STROFT Rig rings	page 28
STROFT Fishing Cap	page 28
STROFT Leader etui	page 28
STROFT Runningline	page 29
STROFT GTM - Fly fishing leader system	page 30 - 32
Overview	page 30
Example sketch dry fly leader	page 31
Measurement chart	page 32
Appendix	page 33 - 40
Technical data	page 33
„Memory“ und „curl“	page 34
Correct line loading	page 35
EFTTA Logo	page 35
Knots for STROFT lines	page 36
The Uni knot	page 37
The spliced loop	page 38
Terms (prices, ordering, shipment, payment)	page 39
Contact details	page 40

At the core of our line offer is **STROFT GTM**, a monofilament made from a polyamide alloy. This line combines several characteristics of highly specialised lines in a unique compromise, which makes GTM the perfect all rounder for all sorts of angling techniques and applications. All other eight **STROFT premium lines**, are made with a particular niche in mind, enhancing a certain quality or characteristic to support a specific application. **We therefore recommend STROFT GTM to all beginners.** It comes as no surprise to us, that many anglers and experts keep faith in the GTM and consider it overall the greatest line there is. Be it as a leader and tippet material for flyfishing, as a line for trolling lures or deep water pike fishing, or in any spin- or bait fishing application. The table will provide you with an overview about the main characteristics and application for each of the eight **STROFT premium lines**. Detailed information can be found on the individual product page and on page 33 (technical data).

Line brand	Line type	Material	Colors	Special properties	Application
 STROFT GTM	Monofilament	Polyamide-alloy	Blue grey transparent	The number 1 monofilament! ----- Very strong and still supple	STROFT GTM is the most successful fishing line worldwide due to its outstanding qualities. High tensile strength and optimum elasticity and suppleness have made this line an absolute favourite amongst anglers of all persuasions, seeking a reliable line for premium applications. The line is particularly appreciated amongst fly fishermen as leader and tippet material.
 STROFT color	Monofilament	Polyamide-alloy	Black ----- Red ----- Yellow fluorescent	Visibility, suppleness ----- (otherwise similar like GTM)	An opaque coloured monofilament of highest quality in three colours. Ideally suited for winter and ice fishing and all other techniques that require a highly visible and supple monofilament, which scores with the highest possible tensile strength.
 STROFT LS	Monofilament	Polyamide-alloy	Light grey transparent	The strongest monofilament! ----- Low stretch, maximum tensile strength	STROFT LS is ideally suited for all fishing techniques in which low stretch is required. A line with slightly reduced suppleness that outperforms all other monofilament in terms of tensile strength. See page 10 - 11.
 STROFT ABR	Monofilament	Polyamide-alloy	Light brown transparent	Resistance to abrasion ----- (otherwise similar like GTM)	Similar to STROFT GTM but with a harder surface. When anglers encounter stones, crustaceans and other abrasive, they ought to look no further than the STROFT ABR - unless you prefer the more upmarket STROFT FC. STROFT ABR is also recommended as leader and tippet material.
 STROFT FC 1	Monofilament	100% Fluorocarbon	Crystal transparent	Strongest knot strength (compared with other lines made of Fluorocarbon)	Converts to the qualities of fluorocarbon - abrasion resistance, low stretch, sensibility, casting performance, durability, visibility - preferably use STROFT FC1 as leader and tippet material. The line has been optimised for ultimate knot strength.
 STROFT FC 2	Monofilament	100% Fluorocarbon	Crystal transparent	Balanced properties (compared with other lines made of Fluorocarbon)	Similar to FC 1 - with somewhat reduced knot strength at the fraction of the cost of its premium relative. Ideally suited for fishing techniques and main lines that require the particular qualities of fluorocarbon. For further information go to page 13 and 14.
 STROFT GTP Typ R	Polyfilament (braided)	100% UHMWPE	Light grey, Green, Orange, Yellow, Pink, Light blue, Dark brown, Red, Multicolor	Round and tight, lowest stretch, high tensile strength	Suited for all fishing techniques that require the lowest level of stretch, high breaking strain and long distance casting capability. Fine braiding made of up to 8 strands of high-quality Peak-UHMWPE.
 STROFT GTP Typ E	Polyfilament (braided)	100% UHMWPE	Water grey, Citrus yellow, May green, Salmon orange, Olive green, Multicolor	Round and tight, very even surface, lowest stretch, high tensile strength	Suited for all fishing techniques that require the lowest level of stretch, high breaking strain and additionally optimal even surface (as in monofilament) - with noiseless top casting capability. Finest braiding made of multiple strands of highest-quality Peak-Micro-UHMWPE fibre.
 STROFT GTP Typ S	Polyfilament (braided)	100% UHMWPE	Silver grey, Yellow green	Round and tight, smooth as monofilament, lowest stretch, maximum tensile strength	Suited for all fishing techniques that require the lowest level of stretch at the highest possible level of breaking strain. The line has a very smooth surface (as in monofilament), which further improves the noiseless top casting capability of this line. Finest braiding made of multiple strands of highest-quality Peak-Micro-UHMWPE fibre.

General

Until about 1940 fishing lines were made of natural materials. The most usual materials consisted of silk, gut (animal intestines) or different kinds of yarn, the necessary lengths could often only be achieved by knotting individual pieces together.

The first synthetic Polyamide thread was patented in 1935 (abbreviation: PA) and marketed by Du Pont in 1939. Today this is better known as "Nylon" (Du Pont), "Perlon" (IG), "Dederon" (GDR trade name). This thread revolutionised angling merely because it was the first infinitely long knotless fishing line, plus it had a much greater breaking strain than traditional materials. The most astounding fact is that Polyamide is still the most commonly used base material when it comes to manufacturing fishing lines! The reason is simple: In comparison to everything else Polyamide has the most favourable properties when it comes to making high quality fishing lines for just about every purpose. For this reason we shall give a short description of how Polyamide is made using the production process of STROFT GTM as an example.

At the beginning of the production line variant types of Polyamide granulate (hard milky grains of plastic) are filled into the extruders hopper, along with various additives. The additives are there to impart certain qualities into the finished fishing line, for example abrasion resistance or indeed to reduce some properties such as reducing the finished lines photo sensibility (reaction to light). Apart from this there are additives such as pigments that impart colour to the finished fishing line.

These mixtures of Polyamides and additives result in the material being referred to as copolymer or polyamide-alloy, even though the mixture consists, by and large, of Polyamide.

So the foundations for the quality as well as the properties of the finished STROFT fishing line are laid here, right at the very beginning of the production process.

Inside the extruder the Polyamide-alloys is transported via a worm drive towards the extrusion pump and is also heated to a temperature of 245°C. The pump presses the somewhat gooey substance through a die with many small holes that resemble a shower head. The thread, which at this stage is still liquid, is then passed through different tempering baths and finally cooled. The raw thread is finished, but it can't be called STROFT, not yet. First it has to be finely tuned in a range of different processes that govern the final quality and properties of finished STROFT fishing line - what is called the „Tuning Process“.

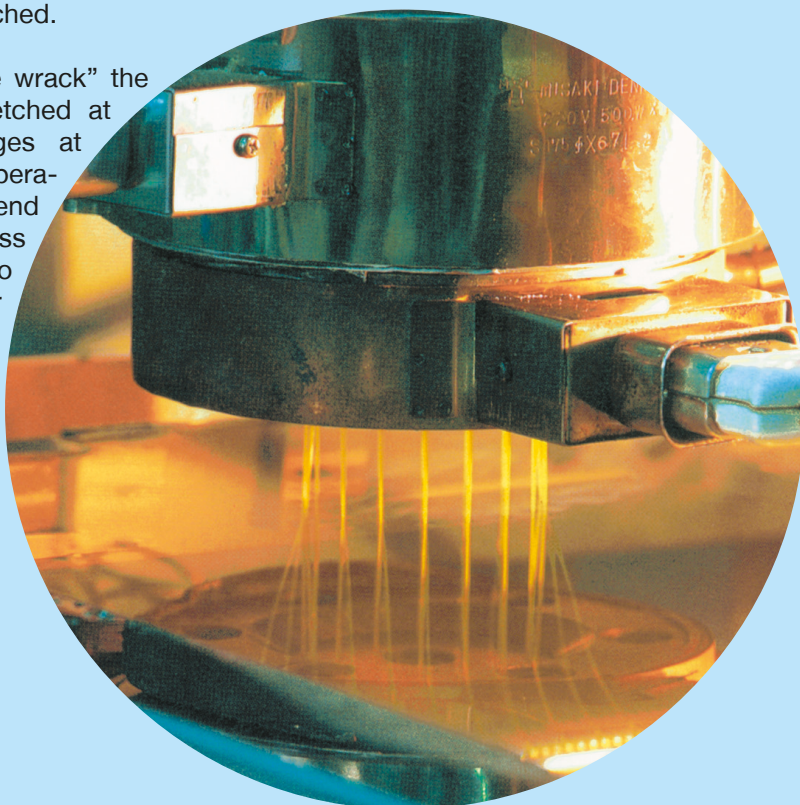
The raw threads are now run through different baths. Here unwanted substances are removed and other desired components are introduced through diffusion. This is where the lines receive a special finish which will guard the filament during the tortuous process of being stretched.

Once on "the wrack" the lines are stretched at different stages at different temperatures, at the end of this process they are up to 6 times longer than when they started out.

Before being stretched the microscopic, molecular-chains were chaotic and uneven. The stretching process aligns these chains so that they run parallel to each other. The better this is accomplished, the greater is the breaking strain, after this the lines are tempered.

Stretching the lines subjected them to extreme stress, this results in tension within the body of the line. This often results in poor knot-strength. Areas that are under tension in any case can tear and burst when crossed and compressed whilst tying a knot. For this reason high quality STROFT fishing lines receive a special heat-treatment (tempering) after the stretching process. This results in greatly improved knot strength, increases the softness, the sensitivity and abrasion resistance as well as lowering the memory effect.

More baths follow after this in which the surface is hardened and perfected lowering the friction and improving the way in which the line leaves the spool and glides through the rings. Now, and only now, the line can be called STROFT GTM.



STROFT® N

Color: Crystal white

Excellent properties when compared
other lines made of Polyamide-alloys:

Price ★★★★★

Performance ★★★★★

Breaking
strain
with uni knot
up to
90 %
(see page 37)



With the
EFTTA quality logo



STROFT® N

Color: Crystal white

Stroft N is an up-market line with a good breaking strain that is particularly soft and supple making it ideal for all kinds of angling. STROFT N's value for money makes it a very popular line for those who fish occasionally such as holiday anglers. However, it's also a great favourite with price conscious pros who require a good value product that they can rely on to produce success after success.

STROFT N Permissible diameter variation +/- 0,002 mm # Measurement and production-related tolerance +0.000 mm up to +0,025 mm. # Permissible breaking strain deviation +/- 10%.

Dia- meter Ø mm	Breaking strain kg	100 m reel			200 m reel			300 m reel			500 m reel			1000 m reel			Large reel			
		Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	m / reel	€/ reel	€/ m
0,200	3,30	4120	3,60	0,036	4220	6,30	0,032	4320	9,10	0,030	4520	13,70	0,027	4620	22,70	0,023	4720	5000 m	90,60	0,018
0,250	4,70	4125	4,10	0,041	4225	7,40	0,037	4325	10,60	0,035	4525	15,90	0,032	4625	26,50	0,027	4725	5000 m	105,70	0,021
0,300	6,50	4130	4,60	0,046	4230	8,40	0,042	4330	12,10	0,040	4530	18,20	0,036	4630	30,20	0,030	4730	4000 m	97,50	0,024
0,350	8,00	4135	5,30	0,053	4235	9,50	0,048	4335	13,70	0,046	4535	20,50	0,041	4635	33,90	0,034	4735	3000 m	83,70	0,028
0,400	10,00	4140	5,90	0,059	4240	10,50	0,053	4340	15,10	0,050	4540	22,70	0,045	4640	37,70	0,038	4740	2500 m	75,50	0,030
0,450	13,00	4145	6,50	0,065	4245	11,60	0,058	4345	16,70	0,056	4545	25,00	0,050	4645	41,60	0,042	4745	2000 m	70,40	0,035
0,500	16,00	4150	7,00	0,070	4250	12,50	0,063	4350	18,20	0,061	4550	27,30	0,055	4650	45,40	0,045	4750	1500 m	55,80	0,037
0,600	21,00	4160	8,20	0,082	4260	14,70	0,074	4360	21,20	0,071	4560	31,80	0,064	4660	52,90	0,053	4660	1000 m	52,90	0,053

Tip: Click also www.stroft.de -> FAQ's or www.stroft.de -> Test results or www.stroft.de -> News article
Information regarding prices, ordering, shipment, payment and contact details -> page 39-40.

6 Monofilament made of Polyamide-alloys

STROFT® color

Colors: Black, red, yellow fluorescent

Excellent properties when compared to other lines made of Polyamide-alloys:

Visibility



Suppleness



Breaking strain



Breaking strain with uni knot up to

100 %
(see page 37)

With the EFTTA quality logo



Leader spools also available with mounted cutter ring.

STROFT® color

Colors: Black, red, yellow fluorescent

STROFT color is produced using exactly the same techniques as STROFT GTM and passes through an identical finishing and tuning process (see page 4 and 8). What is different is the base material being used. To achieve highly visible and strongly contrasting fishing lines, for STROFT color a polyamide-alloy containing a relatively high amount of colorants (black, red or yellow) is used. Naturally colorants slightly decrease a line's tensile strength. Therefore the polyamide alloy has to be designed in a fashion to allow for optimising the lines suppleness after the tuning process, while simultaneously realising the highest possible tensile strength. With our STROFT color lines we achieved these goals outstandingly. In comparison to similarly colored fishing lines, STROFT color excels with high breaking strains while at the same time keeping higher than average suppleness. Therefore STROFT color finds its application when angling methods or type of water require a highly visible, yet particularly supple fishing line that does not compromise in breaking strain and knot strength. All three colors are notably well suited for ice and winter angling and the color black is particularly useful for carp fishermen.

STROFT color

Permissible diameter variation +/- 0,002 mm # Measurement and production-related tolerance +0.000 mm up to +0,025 mm. # Permissible breaking strain deviation +/- 10%.

Dia- meter Ø mm	Breaking strain kg	black	red	yellow fluores- cent	25 m reel				50 m reel				100 m reel		200 m reel		300 m reel		500 m reel		1000 m reel		Large reel										
					without cutter ring	with mounted cutter ring	without cutter ring	with mounted cutter ring	without cutter ring	with mounted cutter ring	without cutter ring	with mounted cutter ring																					
					Order no.	€/ reel	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	m / reel	€/ reel	€/ m	Order no.	m / reel	€/ reel	€/ m	
0,130	1,80				9013	3,30	9013-C	9,55	0,1302	9813	5,30	9813-C	11,55	0,1308	9113	6,80	0,0683	9213	12,20	0,0901	9313	17,60	0,0599	9513	26,60	0,0503	9613	44,20	0,0444	9713	5000 m	177,00	0,0351
0,140	2,00				9014	3,30	9014-C	9,55	0,1352	9814	5,40	9814-C	11,65	0,1368	9114	7,00	0,0702	9214	12,50	0,0963	9314	18,20	0,0681	9514	27,30	0,0595	9614	45,40	0,0445	9714	5000 m	181,10	0,0361
0,150	2,20				9015	3,30	9015-C	9,55	0,1392	9815	5,50	9815-C	11,75	0,1398	9115	7,40	0,0744	9215	13,20	0,0966	9315	19,10	0,0684	9515	28,60	0,0597	9615	47,70	0,0446	9715	5000 m	190,90	0,0367
0,160	2,50				9016	3,30	9016-C	9,55	0,1392	9816	5,60	9816-C	11,85	0,1392	9116	7,70	0,0771	9216	13,90	0,1070	9316	20,10	0,0807	9516	29,90	0,0600	9616	49,90	0,0599	9716	5000 m	199,50	0,0404
0,180	3,10				9018	3,30	9018-C	9,55	0,1392	9818	5,80	9818-C	12,05	0,1398	9118	8,10	0,0811	9218	14,50	0,0973	9318	20,90	0,0750	9518	31,30	0,0663	9618	52,00	0,0500	9718	5000 m	208,70	0,0404
0,200	3,90				9020	3,30	9020-C	9,55	0,1392	9820	6,00	9820-C	12,25	0,1392	9120	8,40	0,0844	9220	15,10	0,0976	9320	22,90	0,0776	9520	32,70	0,0665	9620	54,40	0,0544	9720	5000 m	217,90	0,0404
0,220	4,70				9022	3,30	9022-C	9,55	0,1392	9822	6,20	9822-C	12,45	0,1394	9122	8,70	0,0871	9222	16,10	0,1071	9322	23,60	0,0979	9522	34,80	0,0670	9622	57,90	0,0599	9722	5000 m	231,90	0,0404
0,250	5,70				9025	3,30	9025-C	9,55	0,1392	9825	6,40	9825-C	12,65	0,1398	9125	9,50	0,0951	9225	17,00	0,1085	9325	24,70	0,0982	9525	36,60	0,0773	9625	61,10	0,0611	9725	5000 m	245,50	0,0404
0,280	6,70				9028	3,30	9028-C	9,55	0,1392	9828	7,10	---	---	0,1402	9128	10,20	0,1021	9228	18,20	0,1091	9328	26,30	0,0980	9528	39,40	0,0779	9628	65,60	0,0606	9728	5000 m	263,30	0,0506
0,300	7,70				9030	3,30	9030-C	9,55	0,1392	9830	7,40	---	---	0,1408	9130	10,80	0,1081	9230	19,40	0,0991	9330	28,10	0,0994	9530	42,20	0,0884	9630	70,40	0,0770	9730	4000 m	226,60	0,0506
0,325	9,00				9032	3,30	9032-C	9,55	0,1392	9832	7,50	---	---	0,1500	9132	11,40	0,1144	9232	20,70	0,1044	9332	29,90	0,1040	9532	44,80	0,0900	9632	74,70	0,0671	9732	3000 m	184,60	0,0604
0,350	10,30				9035	3,30	9035-C	9,55	0,1392	9835	7,60	---	---	0,1502	9135	12,20	0,1122	9235	21,90	0,1110	9335	31,80	0,1100	9535	47,60	0,0905	9635	79,10	0,0679	9735	3000 m	195,20	0,0604
0,400	13,00				9040	4,40	---	---	0,1678	9840	8,00	---	---	0,1600	9140	13,30	0,1334	9240	23,90	0,1290	9340	34,50	0,1115	9540	51,70	0,1003	9640	86,00	0,0806	9740	2500 m	172,50	0,0806
0,450	16,00				9045	4,70	---	---	0,1678	9845	8,60	---	---	0,1712	9145	14,40	0,1444	9245	25,70	0,1390	9345	37,20	0,1234	9545	55,70	0,1111	9645	92,90	0,0900	9745	2000 m	156,90	0,0900
0,500	19,00				9050	5,30	---	---	0,2122	9850	9,50	---	---	0,1980	9150	15,60	0,1580	9250	28,20	0,1411	9350	40,70	0,1380	9550	61,10	0,1222	9650	101,60	0,1000	9750	1500 m	125,50	0,0900

For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26).

And all these spools are also available with ready-mounted cutter rings (see chart).

STROFT® ABR

Color: Light brown transparent

Excellent properties when compared to other lines made of Polyamide-alloys:

Resistance to abrasion (wet) ★★★★★★
 Breaking strain (wet) ★★★★★★
 Knot strength (wet) ★★★★★★

Breaking strain with uni knot up to **96 %** (see page 37)



Leader spools also available with mounted cutter ring.

STROFT® ABR

Color: Light brown transparent

The main emphasis when tuning STROFT ABR is attaining the line's resistance to wear and abrasion. The abbreviation ABR stands for abrasion resistance. Achieving the same breaking strain as STROFT GTM is a further tuning objective. These aims are achieved in a heat treatment process, whereby pressure is applied in order to compact the surface, making the line more resilient to UV rays and scratches. Also water absorption is reduced which improves the wet knot strength even when the line is immersed for a great length of time. As a result STROFT ABR is somewhat harder, but can still be classed as supple. Even when fished in the most gruelling circumstances, such as over rocks and mussel beds, in salt water and when attacked by the sun's rays, STROFT ABR retains its breaking strain and knot strength like no other monofilament fishing line, made of polyamide, available. STROFT ABR is the right line for all kinds of fishing especially where breaking strain and knot strength may be tested after continuous and punishing usage. This is the line for the angler who gives no quarter and insists on fishing whatever the conditions.

STROFT ABR

Permissible diameter variation +/- 0,002 mm # Measurement and production-related tolerance +0.000 mm up to +0,025 mm. # Permissible breaking strain deviation +/- 10%.

Dia- meter Ø mm	Breaking strain kg	25 m reel						50 m reel						100 m reel			200 m reel			300 m reel			500 m reel			1000 m reel			Large reel		
		without cutter ring		with mounted cutter ring		€/ m	without cutter ring		with mounted cutter ring		€/ m	without cutter ring		€/ m	without cutter ring		€/ m	without cutter ring		€/ m	without cutter ring		€/ m	without cutter ring		€/ m	without cutter ring		€/ m		
		Order no.	€/ reel	Order no.	€/ reel		Order no.	€/ reel	Order no.	€/ reel		Order no.	€/ reel		Order no.	€/ reel		Order no.	€/ reel		Order no.	€/ reel		Order no.	€/ reel		Order no.	€/ reel		Order no.	€/ reel
0,050	0,50	8005	4,20	8005-C	10,45	0,168	8805	6,80	8805-C	13,05	0,136	8105	8,50	0,085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
0,060	0,65	8006	4,00	8006-C	10,25	0,160	8806	6,20	8806-C	12,45	0,124	8106	7,60	0,076	-	-	-	-	-	-	8506	29,20	0,058	-	-	-	-	-	-		
0,080	0,90	8008	3,60	8008-C	9,85	0,144	8808	5,30	8808-C	11,55	0,106	8108	6,60	0,066	8208	11,80	0,059	8308	17,10	0,057	8508	25,50	0,051	8608	42,40	0,042	8708	5000 m	169,80	0,340	
0,100	1,40	8010	3,60	8010-C	9,85	0,144	8810	5,60	8810-C	11,85	0,112	8110	6,90	0,069	8210	12,50	0,063	8310	18,10	0,060	8510	26,90	0,054	8610	44,80	0,045	8710	5000 m	180,10	0,360	
0,120	1,80	8012	3,60	8012-C	9,85	0,144	8812	5,80	8812-C	12,05	0,116	8112	7,50	0,075	8212	13,10	0,066	8312	18,90	0,063	8512	28,50	0,057	8612	47,40	0,047	8712	5000 m	190,40	0,381	
0,140	2,30	8014	3,60	8014-C	9,85	0,144	8814	5,90	8814-C	12,15	0,118	8114	7,80	0,078	8214	13,90	0,070	8314	20,10	0,067	8514	30,00	0,060	8614	49,90	0,050	8714	5000 m	199,50	0,399	
0,150	2,60	8015	3,60	8015-C	9,85	0,144	8815	6,20	8815-C	12,45	0,124	8115	8,10	0,081	8215	14,60	0,073	8315	21,10	0,070	8515	31,50	0,063	8615	52,60	0,053	8715	5000 m	210,30	0,421	
0,160	3,00	8016	3,60	8016-C	9,85	0,144	8816	6,40	8816-C	12,65	0,126	8116	8,50	0,085	8216	15,20	0,076	8316	22,10	0,074	8516	33,00	0,066	8616	54,90	0,055	8716	5000 m	219,60	0,439	
0,180	3,60	8018	3,60	8018-C	9,85	0,144	8818	6,60	8818-C	12,85	0,132	8118	8,90	0,089	8218	16,00	0,080	8318	23,00	0,077	8518	34,40	0,069	8618	57,30	0,057	8718	5000 m	229,80	0,460	
0,200	4,20	8020	3,60	8020-C	9,85	0,144	8820	6,80	8820-C	13,05	0,136	8120	9,30	0,093	8220	16,70	0,084	8320	25,30	0,084	8520	36,00	0,072	8620	60,00	0,060	8720	5000 m	240,10	0,480	
0,220	5,10	8022	3,60	8022-C	9,85	0,144	8822	6,90	8822-C	13,15	0,138	8122	9,80	0,098	8222	17,70	0,089	8322	25,90	0,086	8522	38,30	0,077	8622	63,70	0,064	8722	5000 m	255,30	0,511	
0,250	6,40	8025	3,60	8025-C	9,85	0,144	8825	7,00	8825-C	13,25	0,140	8125	10,40	0,104	8225	18,70	0,094	8325	26,90	0,090	8525	40,30	0,081	8625	67,30	0,067	8725	5000 m	270,40	0,541	
0,280	7,30	8028	3,60	8028-C	9,85	0,144	8828	7,90	-	-	0,158	8128	11,20	0,112	8228	20,10	0,101	8328	29,00	0,097	8528	43,40	0,087	8628	72,20	0,072	8728	5000 m	289,80	0,580	
0,300	8,10	8030	3,60	8030-C	9,85	0,144	8830	8,10	-	-	0,162	8130	11,90	0,119	8230	21,40	0,107	8330	31,00	0,103	8530	46,40	0,093	8630	77,30	0,077	8730	4000 m	249,30	0,062	
0,350	10,50	8035	3,60	8035-C	9,85	0,144	8835	8,30	-	-	0,166	8135	13,50	0,135	8235	24,30	0,122	8335	35,10	0,117	8535	52,40	0,105	8635	87,00	0,087	8735	3000 m	215,30	0,072	
0,400	14,00	8040	4,90	-	-	0,196	8840	8,80	-	-	0,176	8140	14,70	0,147	8240	26,40	0,132	8340	38,00	0,127	8540	56,90	0,114	8640	94,60	0,095	8740	2500 m	189,80	0,076	
0,450	17,50	8045	5,30	-	-	0,212	8845	9,50	-	-	0,190	8145	15,90	0,159	8245	28,40	0,142	8345	41,00	0,137	8545	61,30	0,123	8645	102,20	0,102	8745	2000 m	172,50	0,086	
0,500	21,00	8050	5,90	-	-	0,236	8850	10,40	-	-	0,208	8150	17,30	0,173	8250	31,20	0,156	8350	44,80	0,149	8550	67,30	0,135	8650	111,80	0,112	8750	1500 m	138,40	0,092	
0,600	28,00	8060	6,70	-	-	0,268	8860	12,70	-	-	0,254	8160	20,10	0,201	8260	36,00	0,180	8360	51,90	0,173	8560	77,90	0,156	8660	129,20	0,129	8660	1000 m	129,20	0,129	

For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26).

And all these spools are also available with ready-mounted cutter rings (see chart).

8 Monofilament made of Polyamide-alloys

STROFT® GTM

Color: Blue grey transparent

Excellent properties when compared to other lines made of Polyamide-alloys:

Breaking strain ★★★★★

Knot strength ★★★★★

Suppleness ★★★★★

Breaking strain
with uni knot

up to

100 %
(see page 37)

TEST WINNER !!!

With the
EFTTA quality logo



Leader spools
also available with
mounted cutter ring.

STROFT® GTM

Color: Blue grey transparent (to achieve the highest possible breaking strain the diameters 0,03 mm to 0,10 mm are coloured subtly.)

STROFT GTM is the number 1 monofilament fishing line. The TÜV in Munich (Germany's leading standards organisation) confirmed that STROFT GTM was the best line tested - and in the US magazine „THE FLYFISHERMAN“ „2012 Tippet SHOOTOUT - Final results“ the STROFT GTM was found to be „Our top pick for overall strength“! (See also www.stroft.de -> test results). The main aim of the tuning process that STROFT GTM undergoes is to maximise the line's breaking strain whilst improving its highly elastic suppleness. This process is constantly being improved, but it is basically a multilevel temperature treatment. Hence the name GTM (German: Getempertes Monofil, English: tempered monofilament). At the same time we are continually improving the mix of polyamide alloys (see also page 4) that are used. Once certain developments in process or materials have proven themselves, they flow into the production process; guaranteeing the best line that is technically possible to achieve. In this way, over the years, we have been able to adjust the refining and tuning process so that characteristics such as dynamic friction, adhesion, surface hardness, surface smoothness, elastic limit, breaking strength, minimal-load elongation, strike elongation, fighting elongation, sensibility, feed back, memory, flexibility and softness have been persistently improved. Between diameter 0,03 mm and 0,30 mm STROFT GTM is available in very fine nuances of 0,01 mm. Between 0,30 mm and 0,60 mm the nuances are 0,025 mm. This equally results in very fine nuances in the range of breaking strain (see chart).

All this makes STROFT GTM the perfect fishing line whenever knot strength in combination with all the other attributes of a top quality fishing line are in demand. STROFT GTM is the right fishing line for all anglers who only want the best quality, namely the No. 1.

Dia- meter Ø mm	Breaking strain kg	25 m reel				50 m reel				100 m reel				200 m reel				300 m reel				500 m reel				1000 m reel				Large reel																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		without cutter ring		with mounted cutter ring		without cutter ring		with mounted cutter ring		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.		€/ reel		Order no.			

For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26).
And all these spools are also available with ready-mounted cutter rings (see chart).

STROFT® LS

Color: Light grey transparent

Excellent properties when compared to other lines made of Polyamide-alloys:

Low stretch ★★★★★

Maximum tensile strength ★★★★★

Maximum knot strength ★★★★★

Breaking strain with uni knot up to **100 %** (see page 37)

Low stretch and strongest monofilament

With the EFTTA quality logo



Leader spools also available with mounted cutter ring.

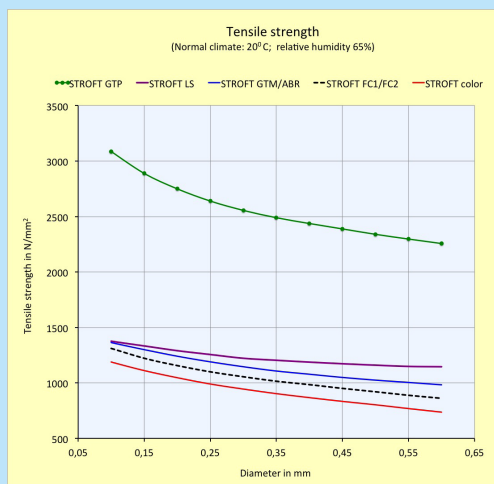
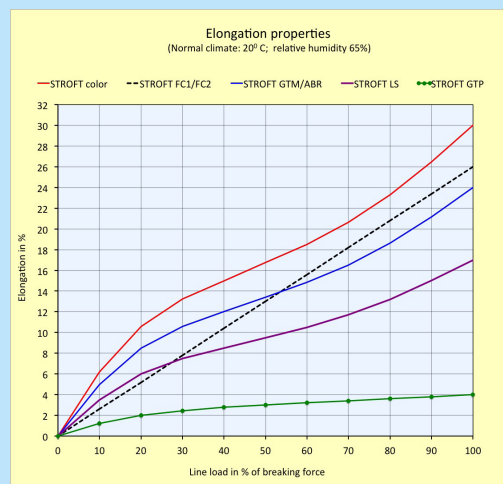
STROFT® LS

Color: Light grey transparent

STROFT LS got developed on the basis of a new polyamide-alloy. The tuning focus rested on the goal to achieve a fishing line with a low stretch factor while ensuring the highest breaking strain possible. That is what the abbreviation LS (low stretch) stands for. The diagram “Elongation properties” shows a elongation at break (100% line load) of approximately 17% for STROFT LS (purple). That is considerably lower than for comparable polyamide (monofilament) lines as well as fluorocarbon. Even for strike elongation (approx. 50% line load), STROFT LS remains with a factor of 9,5% noticeably below other lines. (Only braided lines made of UHMWPE possess a lower elongation factor). With regard to low load elongation (approx. 10% line load) LS also scores lower than other monofilament yet somewhat higher than fluorocarbon (see page 13). The tensile strength values are the highest for any monofilament yet achieved (on average for all diameters between 0,10mm and 0,60mm). That applies to both - tensile strength with and without knots. In the low diameter range the values are quite similar to STROFT GTM. They continue to rise continually for higher diameters (see breaking strain table between GTM and LS). STROFT LS 0,60mm for example has an astonishing breaking strain of 33,0kg ! Therefore, if you require a low stretch and maximum breaking strain fishing line and can accept marginally more stiffness of the line, then STROFT LS is your first choice.

The increased stiffness causes higher memory which might be disadvantageous for some knot types. When one of these knots (see page 34 and 37) has not been tied correctly the line closest to the knot might go curly. The same effect might occur through line being pulled over a sharp edge. Having said this provided the effect is not too pronounced

it can easily be rectified with a line straightener. When paying attention to these particularities STROFT LS might also be of interest to fly fishermen. In comparison to softer monofilaments the line's relative stiffness aides leader turnover, particularly of the fine tippet.



STROFT LS

Permissible diameter variation +/- 0.002 mm # Measurement and production-related tolerance +0.000 mm up to +0.025 mm. # Permissible breaking strain deviation +/- 10%.

Dia- meter Ø mm	Breaking strain kg	25 m reel				50 m reel				100 m reel				200 m reel				300 m reel				500 m reel				1000 m reel				Large reel			
		without cutter ring		with mounted cutter ring		without cutter ring		with mounted cutter ring		Order no.		€ / reel		Order no.		€ / reel		Order no.		€ / reel		Order no.		€ / reel		Order no.		€ / reel		Order no.		€ / reel	
				Order no.	€ / reel			Order no.	€ / reel			Order no.	€ / reel			Order no.	€ / reel			Order no.	€ / reel			Order no.	€ / reel			Order no.	€ / reel			Order no.	€ / reel
0,100	1,40	7010	4,00	7010-C	10,25	0,160	7810	6,00	7810-C	12,25	0,120	7110	7,50	7210	13,50	0,068	7310	19,50	0,065	7510	29,20	0,058	7610	48,90	0,049	7710	5000 m	195,60	0,039				
0,110	1,60	7011	4,00	7011-C	10,25	0,160	7811	6,10	7811-C	12,35	0,122	7111	7,80	7211	14,10	0,071	7311	20,30	0,068	7511	30,20	0,060	7611	50,80	0,051	7711	5000 m	203,00	0,041				
0,120	1,80	7012	4,00	7012-C	10,25	0,160	7812	6,20	7812-C	12,45	0,124	7112	8,10	7212	14,60	0,073	7312	21,00	0,070	7512	31,30	0,063	7612	52,60	0,053	7712	5000 m	210,30	0,042				
0,130	2,00	7013	4,00	7013-C	10,25	0,160	7813	6,30	7813-C	12,55	0,126	7113	8,30	7213	15,10	0,076	7313	21,70	0,072	7513	32,40	0,065	7613	54,50	0,055	7713	5000 m	217,70	0,044				
0,140	2,30	7014	4,00	7014-C	10,25	0,160	7814	6,40	7814-C	12,65	0,128	7114	8,60	7214	15,50	0,078	7314	22,50	0,076	7514	33,50	0,067	7614	56,30	0,056	7714	5000 m	225,00	0,045				
0,150	2,70	7015	4,00	7015-C	10,25	0,160	7815	6,50	7815-C	12,75	0,130	7115	8,90	7215	16,10	0,081	7315	23,20	0,077	7515	34,70	0,068	7615	58,20	0,058	7715	5000 m	232,40	0,046				
0,160	3,10	7016	4,00	7016-C	10,25	0,160	7816	6,60	7816-C	12,85	0,132	7116	9,10	7216	16,60	0,083	7316	23,90	0,080	7516	35,70	0,071	7616	60,00	0,060	7716	5000 m	239,70	0,048				
0,170	3,40	7017	4,00	7017-C	10,25	0,160	7817	6,70	7817-C	12,95	0,134	7117	9,50	7217	17,10	0,086	7317	24,70	0,082	7517	36,80	0,074	7617	61,80	0,062	7717	5000 m	247,10	0,049				
0,180	3,70	7018	4,00	7018-C	10,25	0,160	7818	6,80	7818-C	13,05	0,136	7118	9,80	7218	17,60	0,088	7318	25,40	0,085	7518	37,90	0,076	7618	63,60	0,064	7718	5000 m	254,40	0,051				
0,190	4,00	7019	4,00	7019-C	10,25	0,160	7819	6,90	7819-C	13,15	0,138	7119	10,00	7219	18,20	0,091	7319	26,10	0,087	7519	39,00	0,078	7619	65,50	0,066	7719	5000 m	261,80	0,052				
0,200	4,40	7020	4,00	7020-C	10,25	0,160	7820	7,00	7820-C	13,25	0,140	7120	10,30	7220	18,60	0,093	7320	26,90	0,090	7520	40,10	0,080	7620	67,30	0,067	7720	5000 m	269,10	0,054				
0,210	4,80	7021	4,00	7021-C	10,25	0,160	7821	7,10	7821-C	13,35	0,142	7121	10,60	7221	19,10	0,096	7321	27,60	0,092	7521	41,20	0,082	7621	69,20	0,069	7721	5000 m	276,50	0,055				
0,220	5,20	7022	4,00	7022-C	10,25	0,160	7822	7,20	7822-C	13,45	0,144	7122	10,80	7222	19,60	0,098	7322	28,40	0,095	7522	42,30	0,085	7622	71,00	0,071	7722	5000 m	283,80	0,057				
0,230	5,60	7023	4,00	7023-C	10,25	0,160	7823	7,40	7823-C	13,65	0,146	7123	11,10	7223	20,20	0,101	7323	29,10	0,097	7523	43,40	0,087	7623	72,90	0,073	7723	5000 m	291,20	0,058				
0,240	6,00	7024	4,00	7024-C	10,25	0,160	7824	7,50	7824-C	13,75	0,150	7124	11,40	7224	20,70	0,104	7324	29,80	0,098	7524	44,40	0,089	7624	74,70	0,075	7724	5000 m	298,50	0,060				
0,250	6,50	7025	4,10	7025-C	10,35	0,164	7825	7,60	7825-C	13,00	0,152	7125	11,70	7225	21,10	0,106	7325	30,60	0,102	7525	45,60	0,091	7625	76,50	0,077	7725	5000 m	305,90	0,061				
0,260	7,00	7026	4,20	7026-C	10,45	0,168	7826	7,70	-	-	0,154	7126	12,00	7226	21,60	0,108	7326	31,30	0,104	7526	46,60	0,093	7626	78,30	0,078	7726	5000 m	313,30	0,063				
0,270	7,50	7027	4,30	7027-C	10,55	0,172	7827	7,80	-	-	0,156	7127	12,30	7227	22,20	0,111	7327	32,00	0,107	7527	47,80	0,096	7627	80,20	0,080	7727	5000 m	320,70	0,064				
0,280	8,00	7028	4,40	7028-C	10,65	0,176	7828	7,90	-	-	0,158	7128	12,50	7228	22,70	0,114	7328	32,80	0,109	7528	48,80	0,098	7628	82,00	0,082	7728	5000 m	328,00	0,066				
0,290	8,50	7029	4,50	7029-C	10,75	0,180	7829	8,00	-	-	0,160	7129	12,80	7229	23,20	0,116	7329	33,50	0,112	7529	49,90	0,100	7629	83,90	0,084	7729	4000 m	268,30	0,067				
0,300	9,00	7030	4,60	7030-C	10,85	0,184	7830	8,10	-	-	0,162	7130	13,10	7230	23,70	0,119	7330	34,20	0,114	7530	51,00	0,102	7630	85,70	0,086	7730	4000 m	274,20	0,069				
0,325	10,00	7032	4,90	7032-C	11,15	0,196	7832	8,50	-	-	0,170	7132	13,80	7232	25,00	0,125	7332	36,00	0,126	7532	53,80	0,108	7632	90,30	0,090	7732	3000 m	216,60	0,072				
0,350	11,50	7035	5,10	7035-C	11,35	0,204	7835	8,90	-	-	0,178	7135	14,50	7235	26,30	0,132	7335	37,90	0,128	7535	56,50	0,113	7635	94,90	0,095	7735	3000 m	227,70	0,076				
0,375	13,00	7037	5,40	-	-	0,216	7837	9,30	-	-	0,186	7137	15,10	7237	27,50	0,138	7337	39,70	0,132	7537	59,20	0,118	7637	99,50	0,100	7737	2500 m	199,00	0,080				
0,400	15,00	7040	5,60	-	-	0,224	7840	9,80	-	-	0,196	7140	15,90	7240	28,80	0,144	7340	41,60	0,139	7540	62,00	0,124	7640	104,10	0,104	7740	2500 m	208,10	0,083				
0,450	19,00	7045	6,00	-	-	0,240	7845	10,60	-	-	0,212	7145	17,20	7245	31,30	0,157	7345	45,30	0,151	7545	67,40	0,135	7645	113,30	0,113	7745	2000 m	181,20	0,091				
0,500	23,00	7050	6,40	-	-	0,256	7850	11,60	-	-	0,222	7150	18,70	7250	33,80	0,169	7350	48,90	0,163	7550	72,90	0,146	7650	122,40	0,122	7750	1500 m	147,00	0,098				
0,550	28,00	7055	6,80	-	-	0,272	7855	12,40	-	-	0,240	7155	20,10	7255	36,30	0,182	7355	52,60	0,175	7555	78,30	0,157	7655	131,70	0,132	7755	1000 m	131,70	0,132				
0,600	33,00	7060	7,20	-	-	0,288	7860	13,20	-	-	0,264	7160	21,40	7260	39,00	0,195	7360	56,30	0,188	7560	83,80	0,168	7660	140,90	0,141	7760	1000 m	140,90	0,141				

For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26).
And all these spools are also available with ready-mounted cutter rings (see chart).

Tip: Click also www.stroft.de -> FAQ's or www.stroft.de -> Test results or www.stroft.de -> News article
Information regarding prices, ordering, shipment, payment and contact details -> page 39-40.

General

Fluorocarbon is the name of the second basic material that has been used in the manufacture of monofilament fishing lines since 1972. The chemical name is Polyvinylidenfluorid (abbreviation: PVDF). Other trade names are "Kynar", "Dyneon" and "Solef". The euphoria that heralded the use of these products for fishing lines was quickly followed by the sobering facts that although this material does have advantages the disadvantages are indeed great. One simply had not weighed the advantages against the disadvantages. The knot strength was found to be very critical. So initially the field of application was pretty much limited, nevertheless the line had its advantages in certain fishing situations. And in recent years it has been possible to improve the knot strength remarkably!

The STROFT lines that are made of 100% Fluorocarbon are called STROFT FC 1 and STROFT FC 2, and are featuring outstanding breaking strain. At the same time the breaking strain of STROFT FC 2 is only slightly less in comparison to STROFT FC1. And in global comparing the knot breaking strain of Fluorocarbon lines, STROFT FC1 is ahead by a nose. To achieve this the STROFT FC 1 has to undergo a very costly additional tuning-process - and this makes the actual difference between FC 1 and FC 2, which of course is somewhat reflected in the price.

For this reason STROFT FC 1 is excellent for traces and STROFT FC 2 can also be used as a main line. We paid particular attention to the sensitivity and feed-back as well as the resistance to abrasion of both lines. Peak performance can be expected in both these properties; even though the lines cannot be classed as particularly hard, they have low elasticity and are best described as being supple and tough. These new lines have a comparatively low memory, certainly in comparison to other

fluorocarbon lines, and the thinner lines also cast well from a fixed spool reel.

For further general information regarding fluorocarbon lines please see www.stroft.de -> FAQs -> What are the pros and contras of Polyamide, Fluorocarbon and UHMWPE.

The following excerpts point out the main features and differences between STROFT FC lines compared to STROFT lines made of Polyamide-alloy:

- Abrasion-resistance

Very high resistance to abrasion with low rate of absorption (water absorption 0.01%); this value stays constant even after being immersed for several hours, which makes this the ideal material for use on rocky ground or mussel beds.

- Density

Fluorocarbon is heavier (1.78 g/cm³ as opposed to Polyamid 1.14 g/cm³), so it tends to sink. That makes it ideal, if one requires a strong line that sinks quickly.

- Sensitivity

Extreme sensitivity as a result of the minimal load-elongation makes the line particularly useful whenever lure feedback and bite detection are paramount (spinners, spoons). The relatively high specific weight of the line results in the line straightening quickly after casting and improves bait contact.

- Casting (fly fishing)

The higher specific weight also helps the leader "role out" nicely on the cast when the tip is made of Fluorocarbon as well as helping both nymph and streamer presentation. See also www.stroft.de -> Fly Fishing Leaders.

- Durability

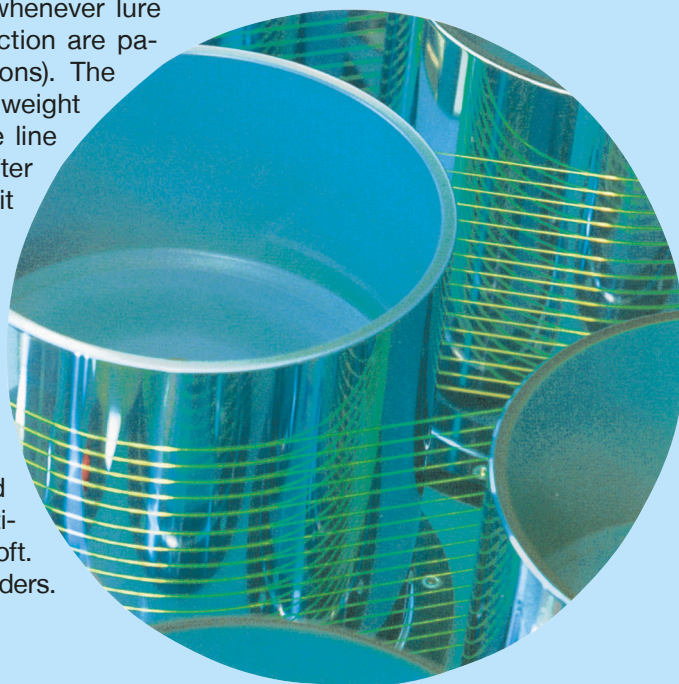
Very high durability as UV-light, salt-water and other aggressive substances have practically no effect. Ideal for sea fishing and wherever high levels of solar radiation are expected.

- Visibility

The refractive index of fluorocarbon is 1.42 as opposed to 1.58 for Polyamide; as a result it's closer to that of water, which is 1.33. For this reason, it is less visible to the human eye when immersed in clear water.

Tip:

In order to utilise the higher linear breaking strain of STROFT FC pay particular attention to knots and connections. Depending on how you are fishing, use rig rings (see page 28) or snap swivels when attaching the last, thinnest section of trace line. This achieves better knot strengths than blood-knots or double grinders. (See also page 36 - 37).



STROFT® FC 1

Color: Crystal transparent

Excellent properties when compared
to other Fluorocarbon lines

Knot strength



Breaking strain



Resistance to abrasion



Feedback



Breaking
strain
with uni knot
up to
85 %
(see page 37)

With the
EFTTA quality logo**STROFT® FC 1**

Color: Crystal transparent

Leader spools
also available with
mounted cutter ring.

STROFT FC 1 is the fishing line that came up with the highest breaking strain ever achieved with 100% fluorocarbon. Particular focus is laid on the line's knot strength which is fine tuned for each individual diameter. Because of that highly crucial characteristic and its other significant benefits – abrasion resistance, faster sink rate, minimal tensile elongation, strike elongation, casting performance, longevity, low visibility (see also page 12) – STROFT FC 1 is a perfect piece of kit for all forms of leaders/ tippets. Speaking of characteristics, a distinguishing feature between fluorocarbon and monofilament lines which is often hotly debated in the angling press is the difference in elongation. Or more precisely the different rates of the elongation properties under different line load (see diagram page 10 – elongation properties). Looking at the blue graph for monofilaments such as GTM and ABR one will notice an undulated line, whereas the black dotted line for fluorocarbon FC 1 and FC 2 is a straight line, which crosses the blue graph at a line load of 50%. In other words in high line load situations FC stretch more than GTM and ABR, while the elongation in both types of line, are comparable for the strike range (approx. 50 % line load) . In the range of minimal line load FC show lower stretch than GTM and ABR, which translates to higher sensibility, better line feedback and bite detection. Characteristics that anglers experience when on the water. If anglers look for these latter qualities FC 1 and FC 2 are their first choice. For the relative high price of FC 1 we do recommend anglers use FC 2 as their leader material and select FC 1 as a tippet. This serves the same purpose at the fraction of the cost.

STROFT FC 1

Permissible diameter variation +/- 0,002 mm # Measurement and production-related tolerance +0.000 mm up to +0,025 mm. # Permissible breaking strain deviation +/- 10%.

Dia- meter Ø mm	Dia- meter Ø mm	Breaking strain kg	25m reel						50m reel						100m reel						€/ m
			without cutter ring		with mounted cutter ring				without cutter ring		with mounted cutter ring				without cutter ring		with mounted cutter ring				
			Order no.	€/ reel	Order no.	€/ reel	€/ m	Order no.	€/ reel	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m	Order no.	€/ reel	€/ m			
	0,100	1,20	1010	14,55	1010-C	20,80	0,582	1810	27,55	1810-C	33,80	0,551	1110	52,35	0,524	€/ m					
0,10	0,120	1,50	1012	14,75	1012-C	21,00	0,590	1812	28,05	1812-C	34,30	0,561	1112	53,30	0,533	0,496					
0,12	0,140	1,90	1014	15,25	1014-C	21,50	0,610	1814	28,80	1814-C	35,05	0,576	1114	54,85	0,549	0,505					
0,14	0,160	2,50	1016	15,45	1016-C	21,70	0,618	1816	29,30	1816-C	35,55	0,586	1116	55,70	0,557	0,521					
0,16	0,180	2,90	1018	15,70	1018-C	21,95	0,628	1818	29,75	1818-C	36,00	0,595	1118	56,50	0,565	0,528					
0,18	0,200	3,60	1020	15,90	1020-C	22,15	0,636	1820	30,20	1820-C	36,45	0,604	1120	57,45	0,575	0,535					
0,20	0,220	4,10	1022	16,10	1022-C	22,35	0,644	1822	30,65	1822-C	36,90	0,613	1122	58,20	0,582	0,545					
0,22	0,240	5,20	1024	16,40	1024-C	22,65	0,656	1824	31,05	1824-C	37,30	0,621	1124	59,00	0,590	0,551					
0,24	0,260	6,30	1026	16,60	1026-C	22,85	0,664	1826	31,50	-	-	0,630	1126	59,85	0,599	0,559					
0,26	0,280	6,80	1028	16,85	1028-C	23,10	0,674	1828	31,90	-	-	0,638	1128	60,75	0,608	0,567					
0,28	0,300	7,50	1030	17,05	1030-C	23,30	0,682	1830	32,40	-	-	0,648	1130	61,60	0,616	0,577					
0,30	0,330	8,70	1033	17,25	1033-C	23,50	0,690	1833	32,85	-	-	0,657	1133	62,35	0,624	0,584					
0,33	0,360	10,40	1036	17,55	1036-C	23,80	0,702	1836	33,20	-	-	0,664	1136	63,15	0,632	0,590					
0,36	0,400	11,70	1040	21,30	-	-	0,852	1840	40,50	-	-	0,810	1140	76,90	0,769	0,599					
0,40	0,430	13,40	1043	23,65	-	-	0,946	1843	44,85	-	-	0,897	1143	85,30	0,853	0,728					
0,43	0,460	15,40	1046	25,95	-	-	1,038	1846	49,25	-	-	0,985	1146	93,60	0,936	0,809					
0,46	0,520	18,40	1052	29,40	-	-	1,176	1852	55,80	-	-	1,116	1152	106,05	1,061	0,887					
0,520	18,40	1052	29,40	-	-	-	1,176	1852	55,80	-	-	1,116	1152	106,05	1,061	1,000					

For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26).
And all these spools are also available with ready-mounted cutter rings (see chart).

14 Monofilament made of 100% Fluorocarbon

STROFT® FC 2

Color: Crystal transparent

Excellent properties when compared to other Fluorocarbon lines

Breaking strain



Resistance to abrasion



Feedback



Breaking strain
with uni knot
up to

80 %
(see page 37)

With the
EFTTA quality logo



Leader spools
also available with
mounted cutter ring.

STROFT® FC 2

Color: Crystal transparent

The fishing line with similarly high linear breaking strain, but slightly lower knot strength than STROFT FC 1 (see also page 12 and 13). STROFT FC 2 is an economic choice for traces and suitable as a main line when abrasion resistance, high density, sensitivity, high feed-back, castability (tippet), durability, and low visibility are required. Please see as well our recommendation on the previous page using FC 2 as main line and FC 1 as leader.

STROFT FC 2

Permissible diameter variation +/- 0,002 mm # Measurement and production-related tolerance +0.000 mm up to +0,025 mm. # Permissible breaking strain deviation +/- 10%.

Dia- meter Ø mm	Breaking strain kg	25 m reel						50 m reel						100 m reel			150 m reel			250 m reel			500 m reel			1000 m reel					
		without cutter ring			with mounted cutter ring			without cutter ring			with mounted cutter ring																				
		Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m	Order no.	€ / reel	€ / m			
0,090	1,00	2009	7,15	2009-C	13,40	0,286	2809	12,80	2809-C	19,05	0,256	2109	23,15	0,232	2109-150	34,35	0,229	2209	56,70	0,227	2509	110,65	0,221	2609	215,70	0,216					
0,110	1,20	2011	7,25	2011-C	13,50	0,290	2811	13,00	2811-C	19,25	0,260	2111	23,50	0,235	2111-150	34,95	0,233	2211	57,65	0,231	2511	112,40	0,225	2611	219,20	0,219					
0,130	1,50	2013	7,40	2013-C	13,65	0,296	2813	13,30	2813-C	19,55	0,266	2113	23,90	0,239	2113-150	35,50	0,237	2213	58,60	0,234	2513	114,15	0,228	2613	222,60	0,223					
0,150	2,00	2015	7,60	2015-C	13,85	0,304	2815	13,60	2815-C	19,85	0,272	2115	24,55	0,246	2115-150	36,50	0,243	2215	60,30	0,241	2515	117,70	0,235	2615	229,65	0,230					
0,170	2,70	2017	7,70	2017-C	13,95	0,308	2817	13,85	2817-C	20,10	0,277	2117	25,05	0,251	2117-150	37,15	0,248	2217	61,20	0,245	2517	119,55	0,239	2617	233,10	0,233					
0,200	3,40	2020	8,00	2020-C	14,25	0,320	2820	14,30	2820-C	20,55	0,286	2120	25,75	0,258	2120-150	38,25	0,255	2220	63,05	0,252	2520	123,10	0,246	2620	240,05	0,240					
0,220	4,00	2022	8,10	2022-C	14,35	0,324	2822	14,55	2822-C	20,80	0,291	2122	26,05	0,261	2122-150	38,75	0,258	2222	64,00	0,256	2522	124,85	0,250	2622	243,50	0,244					
0,250	5,30	2025	8,30	2025-C	14,55	0,332	2825	14,85	2825-C	21,10	0,297	2125	26,90	0,269	2125-150	39,95	0,266	2225	65,85	0,263	2525	128,40	0,257	2625	250,55	0,251					
0,270	6,00	2027	8,40	2027-C	14,65	0,336	2827	15,10	-	-	0,302	2127	27,20	0,272	2127-150	40,45	0,270	2227	66,75	0,267	2527	130,15	0,260	2627	254,00	0,254					
0,300	7,10	2030	8,55	2030-C	14,80	0,342	2830	15,35	-	-	0,307	2130	27,55	0,276	2130-150	40,95	0,273	2230	67,65	0,271	2530	132,00	0,264	2630	257,45	0,257					
0,350	8,60	2035	9,65	2035-C	15,90	0,386	2835	17,55	-	-	0,351	2135	31,50	0,315	2135-150	46,80	0,312	2235	77,25	0,309	2535	150,70	0,301	2635	293,75	0,294					
0,400	11,50	2040	11,75	-	-	0,470	2840	21,30	-	-	0,426	2140	38,40	0,384	2140-150	57,00	0,380	2240	94,00	0,376	2540	183,35	0,367	2640	357,65	0,358					
0,450	13,50	2045	14,45	-	-	0,578	2845	25,95	-	-	0,519	2145	46,65	0,467	2145-150	69,30	0,462	2245	114,35	0,457	2545	222,95	0,446	2645	435,00	0,433					
0,500	17,00	2050	17,25	-	-	0,690	2850	31,15	-	-	0,623	2150	56,00	0,560	2150-150	83,15	0,554	2250	137,20	0,549	2550	267,60	0,535	2650	521,90	0,522					
0,600	22,00	2060	22,95	-	-	0,918	2860	41,25	-	-	0,825	2160	74,25	0,743	2160-150	110,30	0,735	2260	182,00	0,728	2560	355,10	0,710	2660	692,40	0,692					
The following diameter are only available as 10 m reels:		10 m reel					<div>For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26).</div> <div>And all these spools are also available with ready-mounted cutter rings (see chart).</div>																								
		Order no.		€ / reel		€ / m																									
		0,720	30,00	2972	13,85	1,385																									
		0,820	37,00	2982	16,40	1,640																									
		0,900	42,00	2990	20,15	2,015																									
1,100	62,00	29110	27,65	2,765																											

For all reels with order numbers highlighted in yellow, all parts of the STROFT Leader spools system will fit (see page 24-26). And all these spools are also available with ready-mounted cutter rings (see chart).

General

Multifilament lines (that is lines made of many individual fibres) are made out of different kinds of fibres all over the world. Earlier lines were made of cotton, and silk, more recently from Dacron Kevlar, Aramid and Polyester, amongst others. The big breakthrough, however, came with the invention of a fibre called "Ultra High Molecular Weight Polyethylene" (UHMWPE), we know it under the name of Dyneema. Just like Polyamide in its time this line has revolutionised certain sectors of our sport. Dyneema is a registered brand name of the Dutch chemical company, Royal DSM N.V. The same fibre is made under license in exactly the same way in Japan by a company called Toyobo Co. In Greenville, North Carolina, DSM also produce UHMWPE. This location in the USA is the biggest producer worldwide. Honeywell sells its UHMWPE fibres under the brand name of Spectra. Quadrant EPP Inc. produces a UHMWPE fibre called "Tivar", as do Röchling Engineering Plastics who call their product "Polystone-M".

Our polyfilament/braided lines are called STROFT GTP. The abbreviation GTP stands for "Getempertes Polyfil" (English: tempered polyfilament) and indicates that all STROFT GTP lines go through all stages of the refining process. We only use the best fibres that are available worldwide for STROFT GTP. Consequently, we name these fibres peak-UHMWPE-fibres. The choice of fibre governs the quality of the finished line, but not just the choice of fibre is important; the process with which the fibres are connected, is also important (braiding, twisting, welding, gluing, coating or similar). STROFT GTP lines are essentially always true braids with no coating, sheath or shell. They are manufactured using a specially modified braiding process. Only in this way can STROFT GTP's unique properties be created and influenced (centricity, density, core strength, dimple configuration, surface tension, and surface smoothness). The German fishing magazine

Blinker together with the German Fisheries Research Institute (BFAFi) in Hamburg came to the conclusion that STROFT GTP was the best braided line in test. See further information under: www.stroft.de -> Test results.

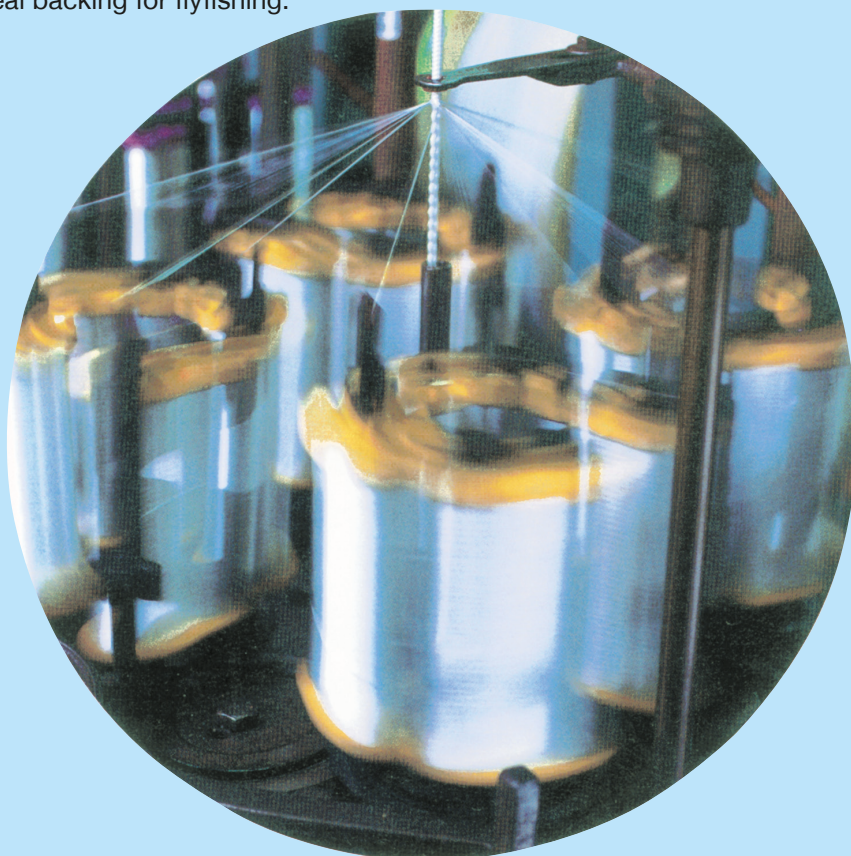
In comparison to monofilament STROFT GTP has the following advantages:

- greatly increased breaking strain both wet and dry. (See also diagram page 10).
- despite sensitivity to knotting greater knot strength both dry and wet.
- very low breaking elongation, and low load elongation as well as minimal strike and fighting stretch (See also diagram page 10).
- very good sensitivity and feed back.
- very low stretch when playing fish (can be disadvantage).
- practically no memory.
- very soft/supple.
- highly visibility (can be disadvantage).
- increased casting distance.
- ideal backing for flyfishing.

See further details under: www.stroft.de -> FAQ's -> What are the pros and contras of Polyamide, Fluorocarbon and UHMWPE.

Tip: In order to take advantage of the higher breaking strain of STROFT GTP we recommend to use a spliced loop (see page 38). If one takes the trouble to create this loop using a needle, one is rewarded with a connection that retains 100% of the available breaking strain.

However, meanwhile the knot strength of the single UHMWPE fibres, being used to braid STROFT GTP lines, could be improved considerably. Especially for the thinner lines the knot strength achieves up to 90 % breaking strain when tying the recommended uni-knot as per the instruction on page 37. In most cases this will be good enough. For thicker lines we still recommend to use a spliced loop when the highest possible knot strength is desired.



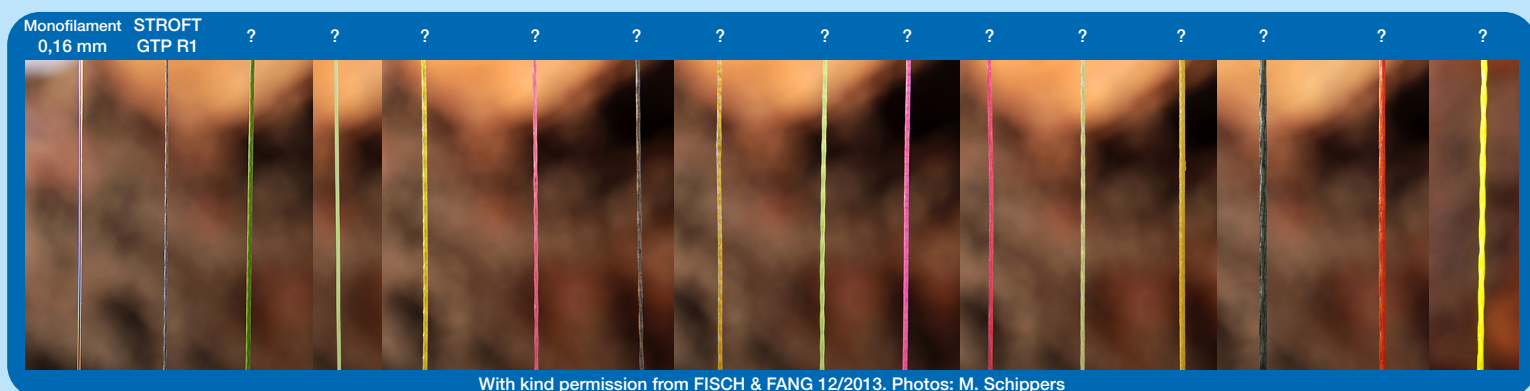
Line test - diameter comparisons

The confusing problems of line diameters and breaking strains

The issue has existed for many years – or at least as long as polyfilament fishing lines have been on the market. For example: a braided line made of the same filaments with a specified diameter of 0,15mm has a breaking strain of 5kg with one manufacturer and around 15kg with another??? The explanation is simple: one line has indeed a diameter of 0,15mm, whereas the other has in fact a diameter of around 0,30mm. Both lines are completely different in diameter and can effectively not get compared.

The editor of the German fishing magazine „Fisch & Fang“ Mr. Bunting, has written two articles about it in issue 12/2013 and 9/2017 to raise awareness of this issue. (Both articles including pictures and tables can be viewed on www.stroft.de -> test results. Here's a detailed summary.

On the left hand side of the article in issue 12/2013 is a monofilament line with an exact diameter of 0.16mm. On the right there are 15 different polyfilament lines of well known brands, which according to the manufacturer data all have a diameter between 0,12mm and 0,16mm. The pictures leave no doubt: **Only STROFT GTP Type R1** (the first line next to the test sample) has a comparable line diameter. All others have a much wider diameter, some of them significantly, of up to 0,30mm. The visual result is being emphasised by exact measurements with a micrometer and with a CNC driven microscope. The same result applies to the **STROFT GTP Type E1** line, which got compared to a further 15 lines of different brands in the magazine issue 9/2017.



When breaking strains and **actual diameters** were compared, STROFT lines scored very highly because we only use the best available UHMWPE filament worldwide. The results for tensile strengths for about 4000 N/mm² in linear measuring tell their own tale. These are very high scores and Fisch & Fang 12/2013 summarised:

„If you are shopping for a line with high tensile strength and whose diameter according to our test approximates its labelling, we safely recommend buying STROFT GTP out of the fifteen lines we have tested.“ Elsewhere the editor Mr.Bunting says: *„Honest manufacturers - or those that massage the figures the least - will be left standing in the market.“*

And the SUMMARY in the article in issue 9/2017 states: *„The lowest diameter and the most minor deviation from the labelled diameter, plus a significant higher breaking strain, had been measured with STROFT GTP Type E1 lines.“* Their RECOMMENDATIONS state: *„Taking the actual diameter into consideration, STROFT GTP Type E1 is by far the most recommendable line...“* and further: *„If you shop for braided lines it is advised to look for the in most instances reliable breaking strain values and not for line diameter. Better safe than sorry when choosing a braided line for one's specific needs.“*

We totally agree with Mr. Bunting, but have no intention to join ranks with some of our competitors. We see no reason to massage our figures - not even the slightest - even if we know we will lose some market share. Right from the beginning we abandoned labelling the diameter of the line - since measuring its exact value is next to impossible - and prefer to display type and tensile strength. In case customers would like to know the approximate diameter to check how much line of the model GTP Type 1 fits on a reel, the last two digits of the order number indicate line capacity (see page 17). In the example for the R1 you will see the number „15“, which means that the line will fill a reel similar to a 0.15mm monofilament. Diameter labelling is widely discussed amongst anglers and these articles in FISCH & FANG greatly helps to shine light on the situation. Therefore we do hope that some of our competitors eventually stop massaging the figures - anglers would certainly welcome it too.

STROFT® GTP Type R

Colors: See chart

Excellent properties when compared to other UHMWPE lines

Concentric



Inner strength



Air resistance



TEST WINNER !!!

Breaking strain
with uni knot
up to
86 %
(see page 37)



STROFT® GTP Type R

Colors: Light grey, green, orange, yellow, pink, light blue, dark brown, red, multicolor (with 1 m and 5 m marks and color change every 10 m)

The R stands for round and tight. Type R is produced of Peak-UHMWPE fibres, with a very special braiding process. The STROFT special-braid, for example, consists of 300x8 = 2400 single fibres in Type R12. This results in a practically perfect circular cross section, with arrow head "dimples" on the surface. The "dimples" produce tiny air turbulences during casting which greatly reduce air-resistance and increase casting distance. They work in a similar fashion to the dimples on a golf ball. But this „round and tight special braiding process“ offers another big additional advantage which many others of the so called „braided“ do not have. For all STROFT GTP lines it is possible to create a splice loop which has a better knot breaking strain than any other connection - namely up to 100% of the available breaking strain (see page 38).

Type R01 to R06 are extremely fine lines. Their actual diameter ranges from 0,07 mm to 0,13 mm. A unique Peak-UHMWPE fibre, bundled in strands, made of a few individual fibres, allows to explore this type of reduced diameter strength. Batch fabrication is at this point not economical, since very few angling applications require monofilament lines of such a reduced diameter strength. Nevertheless, having explored and gone down that route, we will continue manufacturing these type of monofilaments in small quantities, if only to show the technical capabilities available to us. And who knows, maybe the one or the other angler is on the lookout for these super-fine lines.

For further information on diameter and breaking strain we recommend reading page 16!

Type	Breaking strain kg	Please specify color when ordering:							There are further lengths available (25m, 50m, 125m, 400m and 600m). We will inform you gladly about the prices on request.																										
		light grey	green	orange	yellow	pink fluor.	light blue	dark brown	red	multicolor	100 m reel			150 m reel			200 m reel			250 m reel			300 m reel			500 m reel			1000 m reel			2000 m reel			
											order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.
R01	1,50	x	-	-	-	-	-	-	-	-	78106	42,55	0,426	7806-150	60,95	0,406	7806-200	78,60	0,393	78206	94,40	0,378	-	-	-	-	-	-	-	-	-	-	-	-	-
R02	2,00	x	-	-	-	-	-	-	-	-	78107	39,70	0,397	7807-150	56,70	0,378	7807-200	73,25	0,366	78207	88,10	0,352	-	-	-	-	-	-	-	-	-	-	-	-	-
R03	2,50	x	-	-	-	-	-	-	-	-	78108	36,85	0,369	7808-150	52,70	0,351	7808-200	67,75	0,339	78208	81,80	0,327	-	-	-	-	-	-	-	-	-	-	-	-	-
R04	3,00	x	-	-	-	-	-	-	-	-	78109	34,00	0,340	7809-150	48,85	0,326	7809-200	62,25	0,311	78209	75,50	0,302	-	-	-	-	-	-	-	-	-	-	-	-	-
R05	3,50	x	-	-	-	-	-	-	-	-	78111	31,20	0,312	7811-150	44,65	0,298	7811-200	57,50	0,288	78211	69,20	0,277	7811-300	80,00	0,267	78511	128,10	0,256	78611	236,25	0,236	78711	452,00	0,228	
R06	4,00	x	-	-	-	-	-	-	-	x	78113	28,35	0,284	7813-150	40,60	0,271	7813-200	52,20	0,261	78213	62,90	0,252	7813-300	72,75	0,243	78513	115,40	0,231	78613	209,90	0,210	78713	399,00	0,200	
R1	4,50	x	x	x	x	-	-	-	-	x	78115	26,90	0,269	7815-150	38,55	0,257	7815-200	50,10	0,251	78215	59,65	0,239	7815-300	69,00	0,230	78515	109,40	0,219	78615	199,00	0,199	78715	378,00	0,188	
R2	5,50	x	x	x	x	x	x	x	x	x	78118	27,40	0,274	7818-150	39,15	0,261	7818-200	50,95	0,255	78218	60,60	0,242	7818-300	70,15	0,234	78518	111,30	0,223	78618	202,25	0,202	78718	384,00	0,193	
R3	7,00	x	x	x	x	x	x	x	x	x	78120	27,85	0,279	7820-150	39,80	0,265	7820-200	51,75	0,259	78220	61,65	0,247	7820-300	71,40	0,238	78520	113,00	0,226	78620	205,50	0,206	78720	391,00	0,198	
R4	9,00	x	x	x	x	x	x	x	x	x	78122	28,25	0,283	7822-150	40,55	0,270	7822-200	52,70	0,264	78222	62,60	0,250	7822-300	72,55	0,242	78522	114,85	0,230	78622	208,75	0,209	78722	397,00	0,199	
R5	11,00	x	x	x	x	x	x	x	x	x	78125	28,75	0,288	7825-150	41,15	0,274	7825-200	53,55	0,268	78225	63,75	0,255	7825-300	73,70	0,246	78525	116,55	0,233	78625	212,00	0,212	78725	403,00	0,203	
R6	14,00	x	x	x	x	-	-	-	-	x	78128	29,30	0,293	7828-150	41,90	0,279	7828-200	54,40	0,272	78228	64,70	0,259	7828-300	74,95	0,250	78528	118,45	0,237	78628	215,25	0,215	78728	410,00	0,200	
R7	18,00	x	x	x	x	-	-	-	-	x	78130	29,80	0,298	7830-150	42,55	0,284	7830-200	55,25	0,276	78230	65,75	0,263	7830-300	76,15	0,254	78530	120,10	0,240	78630	218,50	0,219	78730	416,00	0,200	
R8	23,00	x	x	-	-	-	-	-	-	x	78135	30,45	0,305	7835-150	43,35	0,289	7835-200	56,30	0,282	78235	66,90	0,268	7835-300	77,30	0,258	78535	122,55	0,245	78635	222,80	0,223	78735	424,00	0,211	
R9	31,00	x	x	-	-	-	-	-	-	x	78140	32,35	0,324	7840-150	46,00	0,307	7840-200	59,65	0,298	78240	70,90	0,284	7840-300	82,10	0,274	78540	129,70	0,259	78640	235,75	0,236	78740	452,00	0,228	
R10	36,00	x	x	-	-	-	-	-	-	x	78145	34,75	0,346	7845-150	49,35	0,329	7845-200	63,95	0,320	78245	76,00	0,304	7845-300	88,00	0,290	78545	139,25	0,279	78645	253,05	0,253	78745	485,00	0,241	
R11	47,00	x	-	-	-	-	-	-	-	x	78150	37,50	0,375	7850-150	53,35	0,356	7850-200	69,20	0,346	78250	82,20	0,329	7850-300	95,15	0,317	78550	150,55	0,301	78650	273,65	0,274	78750	527,00	0,266	
R12	62,00	x	-	-	-	-	-	-	-	x	78155	41,25	0,413	7855-150	58,70	0,391	7855-200	76,00	0,380	78255	90,40	0,362	7855-300	104,70	0,349	78555	166,00	0,332	78655	301,75	0,302	78755	582,00	0,291	

STROFT® GTP Type E

Colors: See chart

Excellent properties when compared to other UHMWPE lines

Smooth surface ★★★★★

Casting properties ★★★★★

Suppleness ★★★★★

Breaking strain with uni knot up to **88 %** (see page 37)



STROFT® GTP Type E

Colors: Water grey, citrus yellow, may green, salmon orange, olive green and multicolor (with 1 m and 5 m markings and a change in color every 10 m - see color sketch)

The „E“ in its name refers to „even“. Type E is equally as round and durable as the lines of Type R. Main Difference: the single peak-UHMWPE fibres are braided into more strands of lines, compared to Typ R for instance. Thus creating a more even surface with smaller dimples. Once you stroke the surface of this line you will confirm that these are barely noticeable. While the line does not achieve an evenness specific to Type S lines – still the undisputed champion in the market – its surface quality reaches levels, far superior to comparable 8X braided lines. (Request a sample free of charge to compare). Its smoothness and evenness was achieved by improving the braiding techniques applied in Type R lines, and not through ‚grouting‘ or ‚coating‘. A method often applied by other manufacturers. As a result, this line is more quiet when casting and during reeling in than R Type lines. In our opinion it is the perfect alternative for anglers looking for an almost noiseless line. Due to the strong braid of this line it is also perfectly possible to build a spliced loop. (see page 38).

For further information on diameter and breaking strain we recommend reading page 16!

Coloration of multicolor Type R und Type E:

10,00 m																
5,00 m								5,00 m								
0,85	0,15	0,85	0,15	0,85	0,15	0,85	0,15	0,90	0,1	0,90	0,15	0,85	0,15	0,85	0,15	0,85
blue	orange	green	red	purple	blue	orange	green	red	purple	blue	orange	green	red	purple	blue	orange

Type	Breaking strain kg	Please specify color when ordering: water grey citrus yellow may green salmon orange olive green multicolor						There are further lengths available (25m, 50m, 125m, 400m and 600m). We will inform you gladly about the prices on request.																							
								100 m reel			150 m reel			200m reel			250m reel			300m reel			500m reel			1000m reel			2000m reel		
		order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m			
E06	4,25	x	x	x	x	x	77113	35,30	0,353	7713-150	50,40	0,338	7713-200	65,10	0,326	77213	78,10	0,312	7713-300	91,35	0,305	77513	143,20	0,286	77613	260,00	0,260	77713	500,00	0,250	
E1	4,75	x	x	x	x	x	77115	34,65	0,347	7715-150	48,85	0,328	7715-200	63,00	0,315	77215	76,85	0,307	7715-300	88,20	0,294	77515	140,90	0,282	77615	256,00	0,256	77715	491,00	0,246	
E2	5,75	x	x	x	x	x	77118	34,15	0,342	7718-150	48,05	0,320	7718-200	61,95	0,310	77218	75,60	0,302	7718-300	87,55	0,292	77518	138,60	0,277	77618	252,00	0,252	77718	483,00	0,242	
E3	7,50	x	x	x	x	x	77120	33,60	0,338	7720-150	47,25	0,315	7720-200	60,90	0,305	77220	74,35	0,297	7720-300	86,05	0,287	77520	136,30	0,273	77620	248,00	0,248	77720	475,00	0,238	
E4	9,50	x	x	x	x	x	77122	33,10	0,331	7722-150	46,45	0,310	7722-200	59,85	0,299	77222	73,10	0,290	7722-300	84,55	0,282	77522	134,00	0,268	77622	244,00	0,244	77722	466,00	0,233	
E5	12,00	x	x	x	x	x	77125	32,45	0,325	7725-150	45,50	0,303	7725-200	58,60	0,293	77225	71,80	0,287	7725-300	83,05	0,277	77525	131,65	0,263	77625	239,00	0,239	77725	458,00	0,229	
E6	15,00	x	x	x	x	x	77128	31,90	0,319	7728-150	44,75	0,298	7728-200	57,55	0,288	77228	70,55	0,282	7728-300	81,55	0,272	77528	129,35	0,259	77628	235,00	0,235	77728	449,00	0,225	
E7	19,00	x	x	x	x	x	77130	31,30	0,313	7730-150	43,80	0,292	7730-200	56,30	0,282	77230	69,30	0,277	7730-300	80,00	0,267	77530	127,05	0,254	77630	231,00	0,231	77730	441,00	0,221	
E8	24,00	x	x	x	x	x	77135	30,65	0,307	7735-150	42,85	0,286	7735-200	55,00	0,275	77235	68,05	0,272	7735-300	78,50	0,262	77535	124,75	0,250	77635	227,00	0,227	77735	433,00	0,217	

STROFT® GTP Type S

Colors: Silver grey and yellow green

Excellent properties when compared to other UHMWPE lines

Smooth surface ★★★★★
Casting properties ★★★★★
Suppleness ★★★★★
Breaking strain ★★★★★

Breaking strain with uni knot up to **90 %** (see page 37)



STROFT® GTP Type S

Colors: Silver grey and yellow green

The S stands for extra smooth. In fact, when one lets this line run through one's fingers, in regard to the smoothness of the surface it's hard to tell it from a monofilament. Singular the „Silver grey“. **The „Yellow green“ is processed with a modified UHMWPE fibre, which in comparison to the „Silver grey“ features a considerably higher abrasion resistance, and for that reason feels a little bit stiffer for the touch. And the „Yellow green“ commands additional breaking strain reserves!!!** But in our opinion not this is of main importance but rather the total characteristic is what counts. Touch both lines on one occasion and decide - for certain it is matter of personal taste as well - but also a question of application range. If higher abrasion resistance or/and better visibility is requested, then the „Yellow green“ is the first choice. At the same time this line is also a true braid, without any kind of coating, which as one knows quickly rubs off resulting in a rough weakened line. It is possible to achieve these properties by utilizing particularly ultra fine UHMWPE fibre, together with a new method of braiding in which the fibres are bundled into an increased number of strands. This „Viel-Strang-Verfahren“ (english: multiple-strand-braiding-process) is completely new and was not possible up until now, not only are the number of strands increased, but the angle of braid is also greater. This results in the fibres being less „bent“ than is the case with Type R and Type E, but the line is just as round in cross section, compact and tight. Type S acquires thereby a slightly higher breaking strain. Unfortunately, the ultra fine UHMWPE-fibres and the new braiding process are costly. However, Type S will be used wherever only the best equipment is needed. And certainly it is possible with Type S as well to create a spliced loop to obtain connections with breaking strain up to 100% (see page 38).

For further information on diameter and breaking strain we recommend reading page 16!

Type	Breaking strain kg	Please specify color when ordering:		There are further lengths available (25m, 50m, 125m, 400m and 600m). We will inform you gladly about the prices on request.																							
				100 m reel			150 m reel			200 m reel			250 m reel			300 m reel			500 m reel			1000 m reel			2000 m reel		
		order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m	order no.	€/ reel	€/ m		
S04	3,50	x	x	79109	60,40	0,604	7909-150	89,15	0,594	7909-200	118,35	0,592	79209	144,90	0,580	7909-300	173,90	0,580	79509	283,90	0,568	79609	542,20	0,542	79709	1059,00	0,530
S05	4,00	x	x	79111	56,20	0,562	7911-150	82,85	0,552	7911-200	110,05	0,550	79211	134,70	0,539	7911-300	161,70	0,539	79511	263,95	0,528	79611	504,20	0,504	79711	985,00	0,493
S06	4,50	x	x	79113	51,35	0,514	7913-150	75,90	0,506	7913-200	100,55	0,503	79213	123,15	0,493	7913-300	147,80	0,493	79513	241,30	0,483	79613	460,85	0,461	79713	901,00	0,451
S1	5,00	x	x	79115	50,20	0,502	7915-150	74,30	0,495	7915-200	98,25	0,491	79215	120,35	0,481	7915-300	144,40	0,481	79515	235,75	0,472	79615	450,35	0,450	79715	880,00	0,440
S2	6,00	x	x	79118	48,85	0,489	7918-150	72,25	0,482	7918-200	95,65	0,478	79218	117,10	0,468	7918-300	140,50	0,468	79518	229,45	0,459	79618	439,20	0,439	79718	857,00	0,429
S3	8,00	x	x	79120	48,00	0,480	7920-150	71,00	0,473	7920-200	94,05	0,470	79220	115,10	0,460	7920-300	137,95	0,460	79520	225,55	0,451	79620	431,80	0,432	79720	842,00	0,421
S4	10,00	x	x	79122	40,20	0,402	7922-150	59,55	0,397	7922-200	78,80	0,394	79222	96,45	0,386	7922-300	115,70	0,386	79522	188,95	0,378	79622	361,75	0,362	79722	704,00	0,352
S5	13,00	x	x	79125	39,00	0,390	7925-150	57,80	0,385	7925-200	76,50	0,383	79225	93,60	0,374	7925-300	112,30	0,374	79525	183,45	0,367	79625	351,25	0,351	79725	683,00	0,342
S6	16,00	x	x	79128	38,20	0,382	7928-150	56,55	0,377	7928-200	74,90	0,375	79228	91,60	0,366	7928-300	110,00	0,367	79528	179,55	0,359	79628	343,80	0,344	79728	666,00	0,333
S7	20,00	x	x	79130	33,90	0,339	7930-150	50,20	0,335	7930-200	66,45	0,332	79230	81,40	0,326	7930-300	97,65	0,326	79530	159,40	0,319	79630	305,25	0,305	79730	590,00	0,295

It's all in the name. A soft bait for predator fishing that was designed for the start in a length of 18 cm (P-18) and is intended primarily for pike fishing. From the beginning of 2021, the soft bait series was significantly expanded to now 5 sizes (6 cm - 10 cm - 14 cm - 18 cm - 22 cm).

The first question you might ask: „How does a company like WAKU, known primarily for manufacturing the STROFT fishing lines, come about offering soft baits all of a sudden?“ The answer is quite simple! During the many years of practical testing of STROFT fishing lines and the many tests we have carried out with competing lines, we have always used the most common rods, rod rings, reels, rigs and baits on the market. We always aimed to accurately recreate all practical conditions in these tests. As soft baits, especially in fish form, have become increasingly popular in spin fishing and trolling in recent years, these baits have almost automatically been „involuntarily“ examined during field tests - perhaps even more frequently and thoroughly than by the soft baits manufacturers themselves. As a side effect of our tests with fishing lines, we gathered a great deal of interesting information about these baits.

We quickly found out that some soft baits catch better than others. This is of course not a new finding and most anglers will have made the same experience! More interesting and much more important to us was the question, why is that the case? The answer to that is already more difficult. Besides its characteristic swimming action (including wake) the colour design also has an influence on whether a predator falls for certain soft baits more frequently in percentage terms, or whether it rather refuses it.

Swimming action and colour design are the two main factors that decide between a take and a refusal - this is undisputed! However, the characteristics of these two factors are very different. To put it in a nutshell: The colour design is a variable - the movement behaviour is a constant. Or to put it another way: The colour design luring a predator fish to attack, changes frequently depending on the type of water, its depth and clarity. It also changes with weather and light and the time of day, and also with the frequency of baits in the same colour being used, plus a number of more external factors. This requires changing the colour of your bait often in order to optimise the chances of success. Swimming actions is different though.

Swimming action (including wake)

Our many tests show that in contrast to colour design, there is seemingly only one optimal swimming action of a soft bait, which stimulates a predator to attack in all likelihood. This is also confirmed by numerous anglers and predator fish experts. It is the movement mimicking the swimming action of an injured or otherwise weak real fish. Soft baits that emulate these characteristics are fish catchers. This is not surprising, because ailing or stricken fish are the main prey of predatory fish. These soft baits imitate two distinctive movement patterns: Firstly, the relatively strong lateral (not tilting) push of the tail fin, and secondly a movement resulting from it, which in each case passes on through the body, into an opposite movement of the head. This characteristic movement is achieved (if a suitable jig head is used) by the appropriate physical design of the soft bait, especially its tail fin, and by the corresponding stiffness (flexibility) of the material. Much less catchy are lifelike replicas of bait fish (roach, pike, etc.), particularly if these swim sluggishly and do not actually reflect the swimming behaviour of natural sick fish. Likewise, soft bait that are excessively active (e.g. with a helically turning tail fin) are less attractive.

Finally, we were able to determine that a special and additional stimulus to attack is seemingly transmitted when the soft bait is already designed in the front area in such a way that turbulence is generated here. Most soft baits are relatively smooth in the front area all the way to the tail fin. A laminar flow prevails here, from which no compressure wave stimuli emanates. Only the tail fin generates disturbance.

In summary, soft baits should therefore show the characteristic movement of an injured or stunned natural fish as described above in each size and should also generate a turbulent flow from the front area.

We have implemented these findings constructively. The STROFT PREDATOR shows the optimum swimming action and is equipped with so-called „tear-off edges“ in the front and middle areas, which generate turbulence and thus send additional stimuli to predator fish.

With the STROFT PREDATOR, we achieved theses tear-off edges on both sides of the head by forming distinctively protruding gill covers. Two further tear-off edges were created by pectoral fins protruding from both sides and further two tear-off edges are created by a pair of protruding pelvic fins. The STROFT PREDATOR has diamond shaped scales that generate additional microturbulent flows. The wagging tail fin of the STROFT PREDATOR enhances the stimulation of a predator.



Colour Design

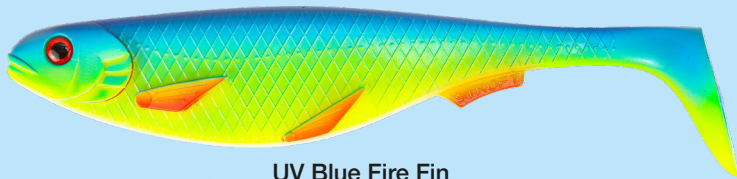
With this regard we can only confirm the experiences of numerous anglers and experts: Colour changes and colour variations are the order of the day! There seems to be a tendency: Weak light and poor visibility in the water require rather conspicuous bright colours - sunshine and clear water rather dull and darker colours. But this is not always the case, and sometimes in effect the other way round. It is however an undisputed fact that the probability of a take decreases the more often a soft bait with the same colour design is used in the same water. This is why those anglers who use colour variations more frequently are generally more successful. Obviously there is a kind of „habituation effect“ with regard to predatory fish. This is exactly what we have experienced. Often it was enough to add just some „splashes of colour“, e.g. by emphasising the fins or other areas of the body. We have taken this into account with the STROFT Predator and, for example, have designed the indicated inside of the gills in realistic red and provided the pectoral and ventral fins with a red colour gradient. This gives the STROFT Predator another bite stimuli.

In order to eliminate the „habituation effect“ mentioned above, we recommend that you make additional colour changes yourself if necessary. This can be done e.g. with waterproof markers or paint. This is how you will make the STROFT PREDATOR YOUR most attractive bait...

Overview:

- optimal swimming action of a pey fish
- Protruding gill covers and pectoral/pelvic fins on both sides -> for turbulence generation in the front area
 - diamond shaped scales that generate microturbulent flows
 - wagging tail fin enhance the stimulation of a predator
 - larger paddle -> therefore perfect flanking, up to 180°
- indicated inside of the gills in realistic red and hand-painted pectoral/pelvic fins with a red colour gradient for another bite stimuli

The STROFT PREDATOR is available in 5 sizes (6cm - 10cm - 14cm - 18cm - 22cm)
and 8 different colors each:



UV Blue Fire Fin



Motoroil Fire Fin



Olive Fire Fin



Silver Fire Fin



Gold Flakes Fire Fin



UV Orange Fire Fin



Purple Fire Fin



White Fire Fin

On page 23 you will find true to original images of the 5 sizes - FIND YOUR STROFT PREDATOR!

Bait size \ Colors	Length	Weight	Perfectly suited for catching:	Order numbers STROFT Predator soft bait								Price per piece €
				UV Blue Fire Fin	Motoroil Fire Fin	Olive Fire Fin	Silver Fire Fin	Gold Flakes Fire Fin	UV Orange Fire Fin	Purple Fire Fin	White Fire Fin	
STROFT Predator P-6 (pack of 3 - each color)	6 cm	2 gram	trout, perch	34061	34062	34063	34064	34065	34066	34067	34068	4,50 € (pack of 3)
STROFT Predator P-10	10 cm	8 gram	cod, perch, perch-pike, pollack, sea bass,	34101	34102	34103	34104	34105	34106	34107	34108	2,95 €
STROFT Predator P-14	14 cm	21 gram	coalfish, cod, perch-pike, pike, pollack	34141	34142	34143	34144	34145	34146	34147	34148	3,95 €
STROFT Predator P-18	18 cm	46 gram	coalfish, cod, halibut, pike, pollack,	34181	34182	38183	34184	34185	34186	34187	34188	4,95 €
STROFT Predator P-22	22cm	83 gram	cod, halibut, pike, pollack	34221	34222	34223	34224	34225	34226	34227	34228	8,95 €

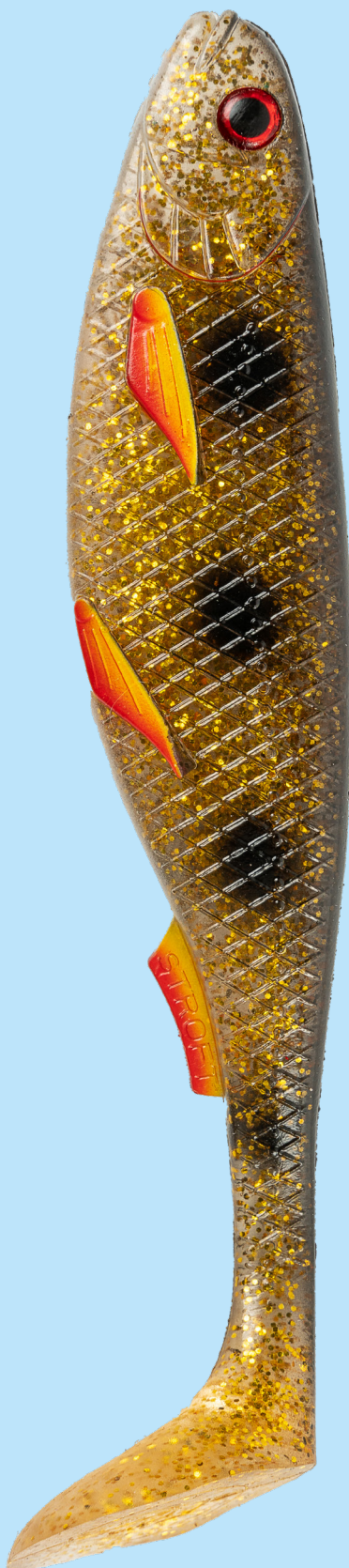


To get an impression, scan the QR code for the STROFT Predator promo video!

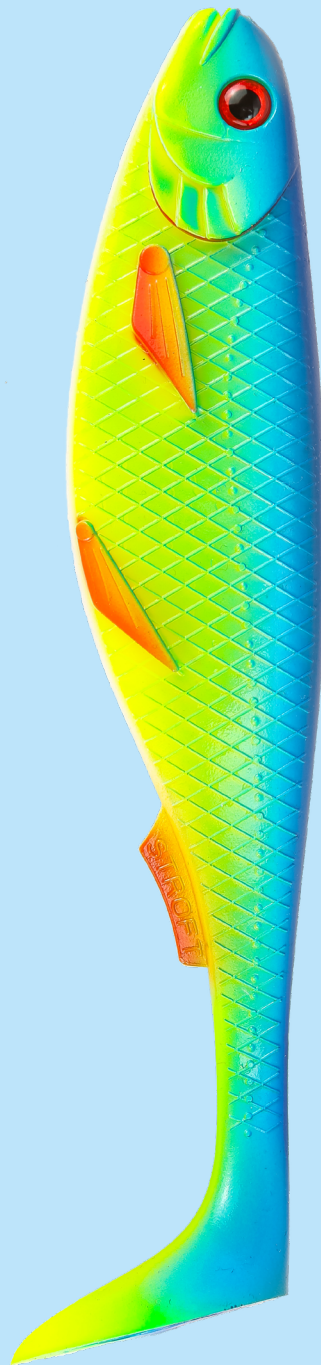
Scan the QR code for our underwater video and see the movement of the lure!



Here you find true to original images of the 5 sizes - find YOUR STROFT PREDATOR!



22 cm



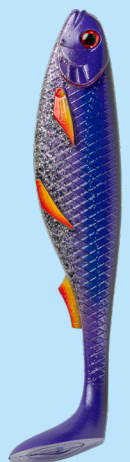
18 cm



14 cm



10 cm



6 cm

Available as set of 3 and set of 5!

All order numbers marked yellow in the pricing table (page 6, 7, 9, 11, 13, 14) are for leader spools that fit the STROFT Leader spools system featured here. These spools can be bought with a fitted cutter ring or can be equipped with a cutter ring later (see page 25). All spools featuring a cutter ring can be used as a **single spool** or as a **Set of 5** or **Set of 3** when used with a spool holder.

When used as a **single spool** hold the spool with two fingers, ensuring the spool rotates unimpeded and pull the desired length of line from it. Then, hold the spool tight and pull the line through the clamp (1). Now place the line around the blade (2) and cut by gently pulling against it. The end of the line is secured in the clamp (1) ready for use when needed next.

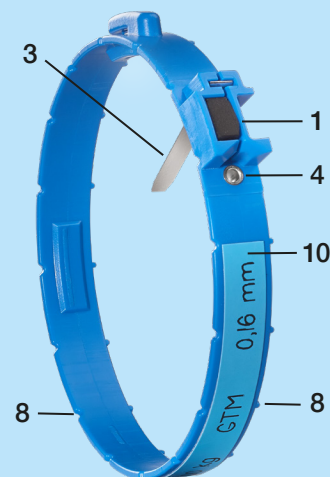


When used as a **Set of 5** or **Set of 3** this maximum number of spools can be placed on the spool holder. This is even neater and pulling, securing and cutting line is even more convenient. One can further fit the sets with a short strap which can be attached to a D-Loop or similar on a fishing vest or other type of jacket. That doesn't only look cool, it is also very practical. (In case you want to use fewer than five types of line, simply fit the spool holder with empty spools equipped with a cutter-ring). In addition, the set of 3 fits in size also in every jacket pocket.



The functions:

1. A clamp (1) ensures no line slips back into the spool cavity unintentionally. The end of the leader is thus always to hand and ready to use.
2. A flat spring (3) made of stainless spring steel guarantees a braked and yet safe and easy rotation of the spool.
3. The line hole (4) is framed by a sleeve made of brass to ensure easy and smooth pulling of the line.
4. The cutter rings slightly protrude over both spool rims forming a fully encased system. Lines are thereby protected from light and UV rays. Additionally, the closed systems allows for easier use. The casing can be grabbed and held anywhere wanted, to pull line from the freely rotating spool in the interior of the casing.
5. Each spool holder (for 5 or 3 spools) consists of two similar pieces: a blue pivot (5) and a yellow lid (6). The spools fitted with a cutter ring are pushed on to the pivot (5) and can be off-set if wanted (see next page). Push the lid shank (6) through the pivot hole (5) after. Apply gentle pressure to the lid and the spring arms (7) will lock behind the pivot hole. Reverse this step by gently pushing the spring arms (7) inwards. The lid (6) can now be removed from the pivot.

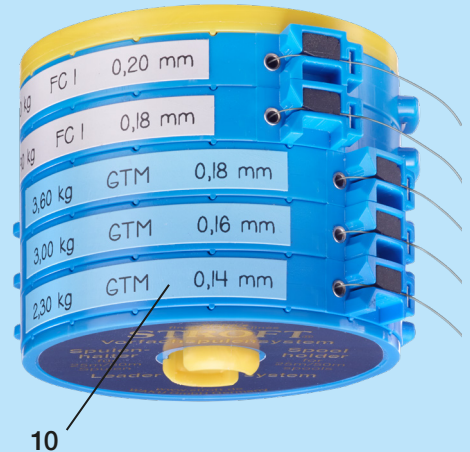
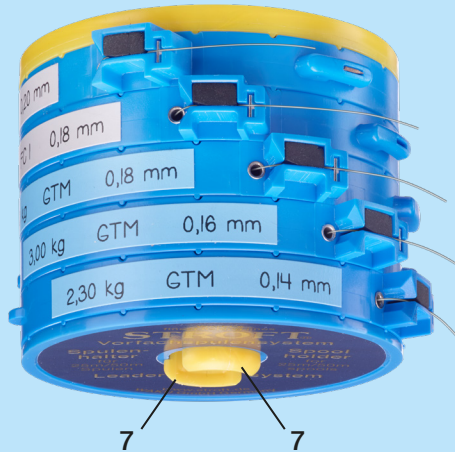
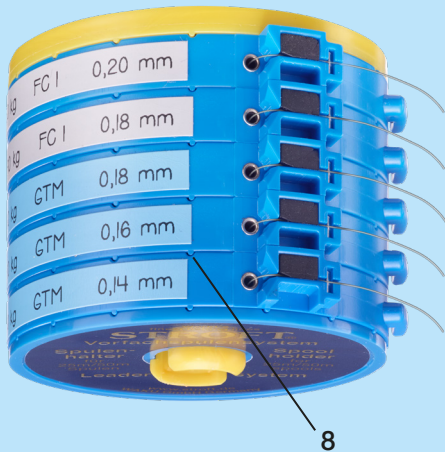


6. Along the cutter ring are small pins and notches (8) which allow for the spool holes to be off-set according to taste. (here the example for a set of 5).

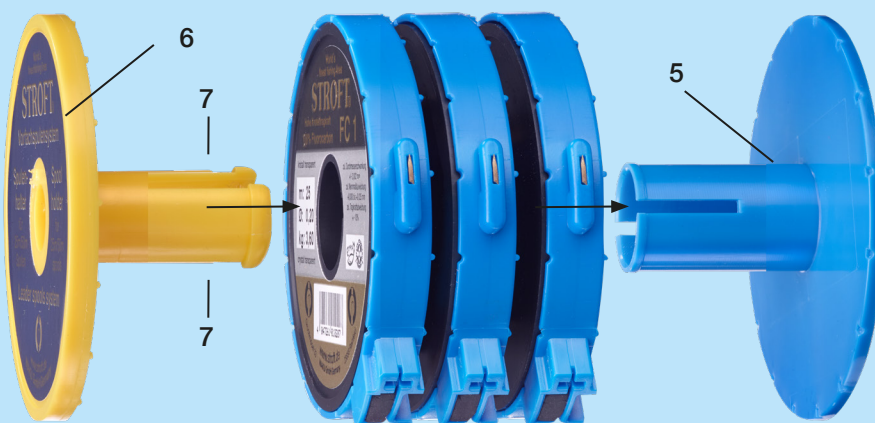
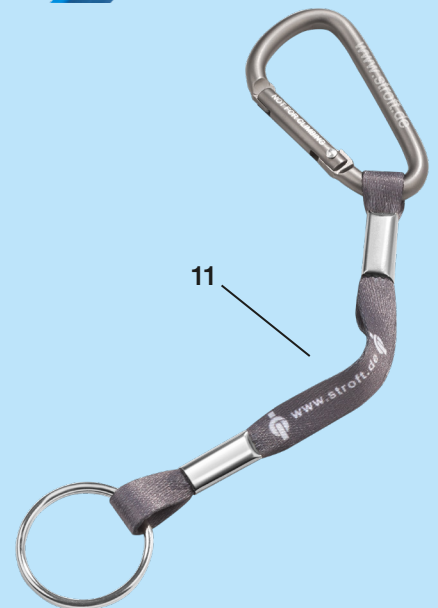
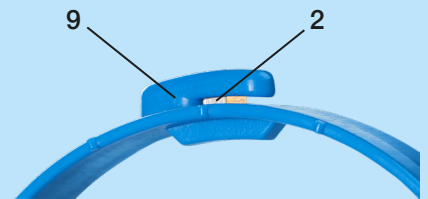
6.1. In Line: All system elements i.e. clamps, blades etc. are neatly arranged in line. (This would be our recommendation.)

6.2. Off-set: System elements are not arranged in line. Leader ends are further apart and thus easier to grab.

6.3. In line and off-set: System elements are ordered and off-set by types of line for instance to easier identify lines.



7. The line cutting fixture (9) is fitted with a high-alloyed steel blade (2) made with a golden titan-nitride coating that has been manufactured in Germany's blade capital Solingen. The blade comes with a long life time. In the unlikely case of a blade getting blunt over time, it can easily be replaced with another. The sharp blade cuts through lines effortlessly – even the thickest and strongest monofilament and even braided lines.
8. The outer side of the cutter rings can be labelled with adhesive strips (10) provided with a purchase. Labelling the rings is helpful when using spool-sets. Information such as type of line, diameter etc. are then clearly visible. Differently coloured labels can be used for various types of lines.
9. Cutter-rings 'snap in' when pushed over spools and are as easily taken off from them. For that reason cutter-rings can be used over and over again. When a spool has emptied, simply take of the cutter-ring and place it on a fully filled spool.
10. Anglers wishing to carry the spool-set on the outside of their fishing vest or other jacket can use the provided short-strap (11). It comes with a grey anodised carabiner on one side and a chrome splint ring on the other. You can attach other items to the splint ring if wanted such as clips, line straighteners, etc.)



STROFT® Cutter ring

The cutter ring can be ordered in three ways:

1. Cutter ring already mounted to a leader spool (see order numbers marked yellow on page 6, 7, 9, 11, 13, 14).
2. Cutter rings included in the Set of 5 or Set of 3 (see below).
3. Cutter ring separately as shown on the right (includes fitting manual and adhesive labels).

Order no. 3714

Price/piece 6,25 €

STROFT® Spool holder for 5 spools

The Spool holder can be ordered in two ways:

1. Spool holder included in the Set of 5 (see below)
2. Spool holder separately as shown on the right (includes fitting manual).

Order no. 3712

Price/piece 6,25 €

STROFT® Spool holder for 3 spools

The Spool holder can be ordered in two ways:

1. Spool holder included in the Set of 3 (see below)
2. Spool holder separately as shown on the right (includes fitting manual).

Order no. 3717

Price/piece 6,15 €

STROFT® Short-strap

The Short-strap can be ordered in two ways:

1. Short-strap included in the Set of 5 or Set of 3 (see below)
2. Short-strap separately as shown on the right (includes fitting manual).

Order no. 3713

Price/piece 5,20 €

STROFT® Set of 5 (Leader spools system)

(Your saving when compared to an individual purchase is 5,45 €)

The set of 5 consists of:

1. 5 cutter rings
2. 1 spool holder for 5 spools
3. 1 short-strap
4. 25 adhesive labels
5. 1 fitting manual

Order no. 3715

Price/piece 37,25 €

STROFT® Set of 3 (Leader spools system)

(Your saving when compared to an individual purchase is 2,85 €)

The set of 3 consists of:

1. 3 cutter rings
2. 1 spool holder for 3 spools
3. 1 short-strap
4. 15 adhesive labels
5. 1 fitting manual

Order no. 3716

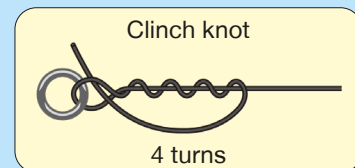
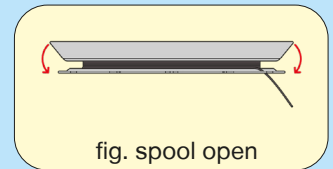
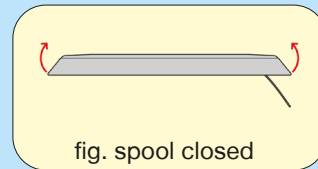
Price/piece 27,25 €



STROFT® NiTi Monowire and NiTi Polywire

on handy spool dispenser

Color: Carbon black matt



Wires made of nickel-titanium alloys (NiTi) are enjoying increasing popularity in the PREDATOR FISHING SCENE - mainly because of their unique property of springing back to their original state even after severe bending. However, there are also disadvantages - namely when „connecting“ these nickel-titanium wires to swivels, snaps, hooks and others. Crimps are often used as aids for this purpose. But unfortunately these connections have strongly fluctuating breaking strains, also because of the sharp edges of the crimps. If you crimp them too hard, there is a risk of stress concentration at either end of the crimp (*NiTi wires are generally more susceptible to stress concentration than steel wires*) and thus a reduction of the wire's breaking strain. If the crimping is too weak, there is a risk of slippage, which also leads to a reduction in breaking strain. Sometimes „tying a knot“ is recommended. However, there too depending on the wire, only highly fluctuating knot strengths are achieved. In addition, thicker monowires are stiff and tying knots becomes very difficult.

STROFT NiTi Monowire and STROFT NiTi Polywire solve these problems and are the first choice when it comes to the ultimate predator leader. The connections are quick and easy to make. No crimps, no pliers - a simple, very easy to tie clinch knot with 4 turns (see illustration) is the solution - and with STROFT NiTi (and its thinner wires) it can even achieve up to 100% of the linear breaking strain! (See table).

This was made possible by a very specific adjustments of the alloy composition to those properties that are desired for predator fishing leaders - namely: maximum abrasion resistance, superelasticity, optimum (simple) knotability, best possible line memory, maximum breaking strain/maximum knot strength, sufficient stretch (8%) and a non-reflective surface. STROFT NiTi Monowire and STROFT NiTi Polywire optimally meet all these requirements. For example, a 0.20 STROFT NiTi Monowire has a breaking strain of 4.2 kg, which is also almost achieved in the clinch knot (see table).

STROFT NiTi

Permissible diameter variation +/- 0,002 mm # Measurement and production-related tolerance +0.000 mm up to +0,025 mm. # Permissible breaking strain deviation +/- 10%.

Type	Dia- meter mm	Breaking strain kg	Breaking strain Clinch knot approx. kg	4 m reel			10 m reel		
				Best.-Nr.	€ / Sp.	€ / m	Best.-Nr.	€ / Sp.	€ / m
Monowire	0,12	1,30	1,30	3812	17,80	4,45	3812-10	41,95	4,20
Monowire	0,14	1,60	1,60	3814	17,80	4,45	3814-10	41,95	4,20
Monowire	0,20	4,20	4,10	3820	17,80	4,45	3820-10	41,95	4,20
Monowire	0,25	7,00	6,50	3825	18,85	4,71	3825-10	44,55	4,46
Monowire	0,30	10,00	9,00	3830	18,85	4,71	3830-10	44,55	4,46
Monowire	0,35	15,00	siehe Hinweis!	3835	25,15	6,29	3835-10	60,30	6,03
Monowire	0,40	20,00	siehe Hinweis!	3840	25,15	6,29	3840-10	60,30	6,03
Type	Dia- meter mm	Breaking strain kg	Breaking strain Clinch knot approx. kg	2 m reel			5 m reel		
				Best.-Nr.	€ / Sp.	€ / m	Best.-Nr.	€ / Sp.	€ / m
Polywire 1x3	0,20	3,10	3,00	3920	18,85	9,43	3920-5	44,55	8,91
Polywire 1x7	0,25	4,90	4,80	3925	19,90	9,95	3925-5	47,20	9,44
Polywire 1x7	0,30	8,00	7,20	3930	19,90	9,95	3930-5	47,20	9,44
Polywire 1x7	0,35	14,00	11,00	3935	20,95	10,48	3935-5	49,30	9,86
Polywire 1x7	0,40	18,00	14,50	3940	22,00	11,00	3940-5	51,90	10,38
Polywire 1x7	0,50	27,00	22,00	3950	22,00	11,00	3950-5	51,90	10,38
Polywire 1x7	0,60	35,00	29,00	3960	26,20	13,10	3960-5	62,95	12,59

Note: Monowire is generally stiffer than Polywire, which consists of several individual wires. Therefore, if you want to use the clinch knot, you should choose Polywire when choosing to go higher in diameter than approx. 0.30 mm, because Monowire becomes quite stiff above that strength. On the other hand, even with a 0.60 polywire the clinch knot can still be tied well! However, if 0.35mm or 0.40mm Monowire is to be used, crimps are advisable. And in order to prevent or at least reduce the stress effect mentioned above, it makes sense to „defuse“ the crimp's relatively sharp inner edge (e.g. with a 90° reamer) beforehand. Then a shrink tube should be pulled over the connection. (This also always applies, of course, if you prefer to use crimps instead of clinch knots for other diameters.)

The noise generated when NiTi Wire is stretched is typical of the material and thus a characteristic of NiTi!

STROFT® Rig rings incl. assembly aid

Color: Grey black

Excellent properties when compared
to other rings

Low reflection ★★★★★

Highest strength ★★★★★

Corrosion free ★★★★★

Drum polished ★★★★★



provides up to 100% knot strength

The rings are manufactured utilising a high-grade, corrosion-resistant alloy. They pass through various manufacturing procedures and are then drum polished to ensure smoothness as well as maximum static friction, thereby guaranteeing the highest knot strength. Finally they are anodised, resulting in a grey black sheen that reflects very little light. The rings increase the braking strain of connections between two lines of up to 100%. The rings simplify changing leaders and avoid repeatedly shortening the main line. They are well suited for use in combination with dry-fly leaders; the rings are very light and are carried by the waters surface-tension. Also enclosed are mounting instructions, knot sketches and breaking strain table.

Type	Ring diameter (d) mm	Outer Ø (D) mm	Breaking strain (F) kg	Order number	Ideal for line diameter min. - max. mm	Application	Quantity per pack	Price per pack €	€/ each
1	0,40	2,00	8,0	3701	0,05 - 0,18	trout, white fish	10	6,20	0,620
2	0,50	2,50	12,0	3702	0,08 - 0,22	trout, white fish	10	6,20	0,620
3	0,55	3,10	16,0	3703	0,12 - 0,28	trout, white fish	10	6,20	0,620
4	0,80	5,30	60,0	3704	0,16 - 0,35	trout, salmon	10	9,40	0,940
5	1,10	7,00	100,0	3705	0,20 - 0,45	salmon, large fish	10	9,40	0,940
6	1,40	8,10	150,0	3706	0,25 - 0,60	salmon, large fish	10	9,40	0,940
1, 2, 3	pack of 3			3707	0,05 - 0,28	trout, white fish	30	15,60	0,520
4, 5, 6	pack of 3			3708	0,16 - 0,60	trout, salmon, large fish	30	25,10	0,837

STROFT® Fishing Cap

High quality - modern - sporty

Cap in a colormix dark blue/sky blue, embroidered with a raised STROFT logo. Brim and front made of 100% cotton, net made of 100% polyester. Size adjustable with snap fastener.

Order no. 3710

Price/piece 24,95 €



STROFT® Leader etui

Made of finest leather, darkblue, with 6 pockets for fly leaders and magnetic catch. Including 6 small leader boards, which will suit in the 6 pockets.

Order no. 3711

Price/piece 29,95 €



STROFT® Runningline

Color: Light blue mat



Fly fishing with separate parts of a full fly line (shooting head and running line) is becoming more and more popular. For the simple reason that you can choose your shooting head perfectly for any respective situation and thus have the greatest possible flexibility! And that's where our latest product addition comes in - **the running line from STROFT!** It is a monofilament line with a flat, rectangular cross-section, a so-called flat mono, without any coating. The STROFT running line offers the best shooting properties and perfect handling. Due to its smaller diameter and significantly less friction, it is clearly superior to coated running lines when it comes to distance casting. During tuning, special attention was paid to optimal suppleness and perfectly coordinated stretch. By optimizing the raw material composition, we managed to create a running line which stretches easily and remains free of curls - even at low temperatures!

Details overview:

- Flat Mono - monofilament running line with a flat, rectangular cross-section
- Thin diameter without coating - great handling and maximum casting distances
- Perfectly coordinated stretch
- Smooth and curl-free - even at low temperatures
- Available as 35 m spools in 25lbs, 35lbs, 42lbs, 50lbs
- Color: Light blue mat

Breaking strain kg	Breaking strain lbs	cross-section mm	Application area (target fish)	35 m reel		
				Best.-Nr.	€ / Sp.	€ / m
11,3	25,0	0,30 x 0,60	Single-handed rods, trout-spey, light switch rods, ultra-light skagit (trout, sea trout)	3325	24,50	0,700
15,9	35,0	0,35 x 0,70	Single-handed rods, double-handed rods and switch rods up to approx. class #6/7 (sea trout, salmon, pike)	3335	24,50	0,700
19,1	42,0	0,40 x 0,80	Single-handed rods, double-handed rods approx. class #7/8 to #8/9 (salmon, pike)	3342	24,50	0,700
22,7	50,0	0,42 x 0,84	Single-handed rods, double-handed rods approx. class #9/10 to #10/11 (salmon, pike, hucho)	3350	24,50	0,700



Overview

offers an ideal combination of advantages:

- The best material (STROFT GTM) with the highest tensile and knot strength, with its low reflection is practically imperceptible to fish, has high abrasion resistance, elasticity and suppleness.
- Perfectly tuned structural design, in combination with the degressive taper results in highly efficient energy transfer and perfect fly presentation.
- The shock-absorbing properties of the butt in combination with the taper aids playing and landing the fish safely.
- 4 different length 240 cm - 280 cm - 375 cm - 470 cm (7,5 ft - 9 ft - 12 ft - 15 ft).
- 11 different diameters (Tip from 0,10 mm to 0,42 mm) 7X - 6X - 5X - 4X - 3X - 2X - 1X - 0X - 02X - 04X - 06X.
- That is a total of 44 different leaders - the perfect leader for every possible situation: Whether fishing minute dry flies or even the largest salt water flies for the heaviest fish!
- On small leader boards, which will suit in every pocket and in the STROFT Leader etui.

Available as single packaging or pack of 3:



Protect the environment
and save 3,00 € compared
to the purchase of the
single packaging!

The table shows the metric and Anglo American dimensions as well as the prices of the leaders.

The leader table on page 32 shows the line diameter at intervals of 20 cm for all leaders.

The table on page 31 shows exemplarily 13 possibilities of a dry fly leader all resulting in a 0,14 mm tip-pet (5X) at a length of 260 cm.

At www.stroft.de -> Fly Fishing Leaders or directly under www.fliegenvorfach.de you will find over 1000 additional possibilities for every diameter and length, plus numerous tips and hints resulting in the perfect leader.

For the practical supply of several leaders being outside at the water, we recommend the STROFT leader etui, with pockets for 6 leaders, which will suit in every pocket (see page 28)!

Dimensions and prices													
Leader no.	Length	Dia-meter tippet mm	Breaking strain tippet kg	Dia-meter butt mm	Single packaging		Pack of 3		Length	X Code in X	Dia-meter tippet in "	Dia-meter tippet lb	Dia-meter butt in "
					Order number	Price each €	Order number	Price per pack €					
1	240	0,10	1,2	0,40	31110	6,25	32110	15,75	7,5	7X	0,004	2,6	0,016
2	240	0,12	1,6	0,44	31112	6,25	32112	15,75	7,5	6X	0,005	3,5	0,017
3	240	0,14	2,2	0,50	31114	6,25	32114	15,75	7,5	5X	0,006	4,8	0,019
4	240	0,17	2,9	0,52	31117	6,25	32117	15,75	7,5	4X	0,007	6,4	0,020
5	240	0,20	3,6	0,54	31120	6,25	32120	15,75	7,5	3X	0,008	7,9	0,021
6	240	0,22	4,3	0,56	31122	6,25	32122	15,75	7,5	2X	0,009	9,5	0,022
7	240	0,25	5,3	0,58	31125	6,25	32125	15,75	7,5	1X	0,010	11,7	0,023
8	240	0,27	6,3	0,60	31127	6,25	32127	15,75	7,5	0X	0,011	13,9	0,024
9	240	0,32	7,5	0,66	31132	6,25	32132	15,75	7,5	02X	0,013	16,5	0,026
10	240	0,37	9,0	0,70	31137	6,25	32137	15,75	7,5	04X	0,015	19,8	0,028
11	240	0,42	11,0	0,72	31142	6,25	32142	15,75	7,5	06X	0,017	24,2	0,029
12	280	0,10	1,2	0,40	31210	6,25	32210	15,75	9	7X	0,004	2,6	0,016
13	280	0,12	1,6	0,44	31212	6,25	32212	15,75	9	6X	0,005	3,5	0,017
14	280	0,14	2,2	0,50	31214	6,25	32214	15,75	9	5X	0,006	4,8	0,019
15	280	0,17	2,9	0,52	31217	6,25	32217	15,75	9	4X	0,007	6,4	0,020
16	280	0,20	3,6	0,54	31220	6,25	32220	15,75	9	3X	0,008	7,9	0,021
17	280	0,22	4,3	0,56	31222	6,25	32222	15,75	9	2X	0,009	9,5	0,022
18	280	0,25	5,3	0,58	31225	6,25	32225	15,75	9	1X	0,010	11,7	0,023
19	280	0,27	6,3	0,60	31227	6,25	32227	15,75	9	0X	0,011	13,9	0,024
20	280	0,32	7,5	0,66	31232	6,25	32232	15,75	9	02X	0,013	16,5	0,026
21	280	0,37	9,0	0,70	31237	6,25	32237	15,75	9	04X	0,015	19,8	0,028
22	280	0,42	11,0	0,72	31242	6,25	32242	15,75	9	06X	0,017	24,2	0,029
23	375	0,10	1,2	0,40	31310	6,25	32310	15,75	12	7X	0,004	2,6	0,016
24	375	0,12	1,6	0,44	31312	6,25	32312	15,75	12	6X	0,005	3,5	0,017
25	375	0,14	2,2	0,50	31314	6,25	32314	15,75	12	5X	0,006	4,8	0,019
26	375	0,17	2,9	0,52	31317	6,25	32317	15,75	12	4X	0,007	6,4	0,020
27	375	0,20	3,6	0,54	31320	6,25	32320	15,75	12	3X	0,008	7,9	0,021
28	375	0,22	4,3	0,56	31322	6,25	32322	15,75	12	2X	0,009	9,5	0,022
29	375	0,25	5,3	0,58	31325	6,25	32325	15,75	12	1X	0,010	11,7	0,023
30	375	0,27	6,3	0,60	31327	6,25	32327	15,75	12	0X	0,011	13,9	0,024
31	375	0,32	7,5	0,66	31332	6,25	32332	15,75	12	02X	0,013	16,5	0,026
32	375	0,37	9,0	0,70	31337	6,25	32337	15,75	12	04X	0,015	19,8	0,028
33	375	0,42	11,0	0,72	31342	6,25	32342	15,75	12	06X	0,017	24,2	0,029
34	470	0,10	1,2	0,40	31410	6,25	32410	15,75	15	7X	0,004	2,6	0,016
35	470	0,12	1,6	0,44	31412	6,25	32412	15,75	15	6X	0,005	3,5	0,017
36	470	0,14	2,2	0,50	31414	6,25	32414	15,75	15	5X	0,006	4,8	0,019
37	470	0,17	2,9	0,52	31417	6,25	32417	15,75	15	4X	0,007	6,4	0,020
38	470	0,20	3,6	0,54	31420	6,25	32420	15,75	15	3X	0,008	7,9	0,021
39	470	0,22	4,3	0,56	31422	6,25	32422	15,75	15	2X	0,009	9,5	0,022
40	470	0,25	5,3	0,58	31425	6,25	32425	15,75	15	1X	0,010	11,7	0,023
41	470	0,27	6,3	0,60	31427	6,25	32427	15,75	15	0X	0,011	13,9	0,024
42	470	0,32	7,5	0,66	31432	6,25	32432	15,75	15	02X	0,013	16,5	0,026
43	470	0,37	9,0	0,70	31437	6,25	32437	15,75	15	04X	0,015	19,8	0,028
44	470	0,42	11,0	0,72	31442	6,25	32442	15,75	15	06X	0,017	24,2	0,029

Example sketches dry fly leader

Suggested STROFT GTM - Fly Fishing Leaders					For example: tip 0,14 mm / 5X length 260 cm			
Further tips and hints can be found on www.stroft.de -> Fly Fishing Leaders or directly at www.fliegenvorfach.de								
evaluated turn-over	evaluated scare factor	leader no.	leader diagram length (cm) scale 1 : 50 diameter (mm) stretched		diameter butt mm	length butt cm	length tip cm	what to be done
1	7	no.27		A	0,54	120	50	Shorten length to 190 cm (line diameter approx. 0,26 mm) tie on 20 cm STROFT GTM 0,20 mm or FC1 0,20 mm use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
1	7	no.6		B	0,56	80	50	Shorten length to 190 cm (line diameter approx. 0,25 mm) tie on 20 cm STROFT GTM 0,20 mm or FC1 0,20 mm use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
1	7	no.36		C	0,50	140	50	Shorten length to 210 cm (line diameter approx. 0,20 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
1	7	no.35		D	0,44	140	50	Shorten length to 210 cm (line diameter approx. 0,17 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
2	6	no.25		E	0,50	120	50	Shorten length to 210 cm (line diameter approx. 0,18 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
2	6	no.14		F	0,50	120	50	Pre-knot 20 cm STROFT GTM 0,45 mm on butt. Shorten length to 210 cm (line diameter approx. 0,18 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
2	6	no.15		G	0,52	100	50	Shorten length to 210 cm (line diameter approx. 0,20 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
3	5	no.4		H	0,52	80	50	Shorten length to 210 cm (line diameter approx. 0,19 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
3	5	no.14		I	0,50	100	50	Shorten length to 210 cm (line diameter approx. 0,17 mm) use rig ring no.1 at 210 cm tie on 50 cm GTM/ABR 0,14 mm or FC1 0,14 mm.
4	4	no.14		K	0,50	80	40	Reduce butt by 20 cm.
5	3	no.25		L	0,50	70	50	Reduce butt by 50 cm. Then cut leader down to 260 cm.
6	2	no.25		M	0,50	60	60	Reduce butt by 60 cm. Then cut leader down to 260 cm.
7	1	no.25		N	0,50	50	70	Reduce butt by 70 cm. Then cut leader down to 260 cm.
Evaluation: 1 = more favourable 7 = more unfavourable					Our advice: start out with a “well balanced” leader. I when using a tippet ring. K when using no tippet ring. Make sure to factor in some extra line to make knots!			
Line straightening/turnover and scare decrease from A to N.								
A excels with very good line straightening/ turnover/ casting performance even in windy conditions or in the hands of less able casters. Yet at the cost of a higher scare factor (due to long butt and short tip) N less scare (due to short butt and long tip) but requires well executed casting techniques and favourable wind.								

Measurement chart

Which is the ideal leader?

The ideal leader should turn-over well and should be virtually imperceptible to fish. Unfortunately, these two requirements partly cancel each other out.

Remember: The turn-over of a leader improves the more:

- the shorter the overall length.
- the longer or thicker the butt.
- the shorter or thicker the tip.

Besides, of course, have influence:

- your own casting skills.
- the wind conditions.
- the weather (sunny clear - cloudy).
- the water conditions (clear - murky)
(raging river - calm sea).
- the wariness of the quarry.

That is why the STROFT GTM - Fly Fishing Leader System provides

not only one leader for each desired application, but a whole selection. Thus one can precisely select and produce the ideal leader using the table on page 31 showing exemplarily 13 options, each resulting in a 0.14 mm dry fly leader (5X) which is 260 cm long.

Over 1000 additional possibilities for every diameter and length can be found on www.stroft.de -> Fly Fishing Leaders or directly at www.fliegenvorfach.de.

The STROFT rig ring

You can tie flies directly on to the respective leader. Or use tips from STROFT GTM, LS, ABR or FC 1 together with the STROFT rig rings (see page 28).

We recommend using STROFT rig ring as they have several advantages:

- The tippets just named have a slightly higher tensile strength than the tip of the STROFT GTM leader (due to the shock-absorbing elasticity processing of the whole leader).
- Knots tied on a rig ring are significantly stronger than a direct connection with a dual uni knot or a blood knot.
- Various tips (GTM, LS, ABR, FC 1) with different thicknesses and lengths can be replaced quickly and easily, f.e. in order to minimize scaring fish.
- The leader is not being continuously shortened and as a result doesn't need replacing as often.
- Therefore using a rig ring is cheaper in the long term.

leader table																										
leader no.	line diameter in 1/100 mm (measurement and production-related tolerance up to 0,02 mm)													leader length in cm ->												
	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	375	400	420	440	460	470	
	v	v	v	v	v	v	v	v	v	v	v	v	v													
1	40	40	40	40	40	25	18	16	14	13	12	11	10													
2	44	44	44	44	44	29	22	18	16	15	14	13	12													
3	50	50	50	50	50	32	25	21	19	17	16	15	14													
4	52	52	52	52	52	35	28	24	22	20	19	18	17													
5	54	54	54	54	54	39	32	28	25	23	22	21	20													
6	56	56	56	56	56	43	35	31	28	26	24	23	22													
7	58	58	58	58	58	45	37	33	31	29	27	26	25													
8	60	60	60	60	60	50	42	38	35	32	30	28	27													
9	66	66	66	66	66	54	46	41	38	35	33	33	32													
10	70	70	70	70	70	58	50	45	42	39	38	38	37													
11	72	72	72	72	72	62	55	50	46	44	43	43	42	v	v											
12	40	40	40	40	40	40	25	18	16	14	13	12	11	10	10											
13	44	44	44	44	44	44	29	22	18	16	15	14	13	12	12											
14	50	50	50	50	50	50	32	25	21	19	17	16	15	14	14											
15	52	52	52	52	52	52	35	28	24	22	20	19	18	17	17											
16	54	54	54	54	54	54	39	32	28	25	23	22	21	20	20											
17	56	56	56	56	56	56	43	35	31	28	26	24	23	22	22											
18	58	58	58	58	58	58	45	37	33	31	29	27	26	25	25											
19	60	60	60	60	60	60	50	42	38	35	32	30	28	27	27											
20	66	66	66	66	66	66	54	46	41	38	35	33	33	32	32											
21	70	70	70	70	70	70	58	50	45	42	39	38	38	37	37											
22	72	72	72	72	72	72	62	55	50	46	44	43	43	42	42	v	v	v	v	v						
23	40	40	40	40	40	40	40	25	18	16	14	13	12	11	10	10	10	10	10	10						
24	44	44	44	44	44	44	44	29	22	18	16	15	14	13	12	12	12	12	12	12						
25	50	50	50	50	50	50	50	32	25	21	19	17	16	15	14	14	14	14	14	14						
26	52	52	52	52	52	52	52	35	28	24	22	20	19	18	17	17	17	17	17	17						
27	54	54	54	54	54	54	54	39	32	28	25	23	22	21	20	20	20	20	20	20						
28	56	56	56	56	56	56	56	43	35	31	28	26	24	23	22	22	22	22	22	22						
29	58	58	58	58	58	58	58	45	37	33	31	29	27	26	25	25	25	25	25	25						
30	60	60	60	60	60	60	60	50	42	38	35	32	30	28	27	27	27	27	27	27						
31	66	66	66	66	66	66	66	54	46	41	38	35	33	33	32	32	32	32	32	32						
32	70	70	70	70	70	70	70	58	50	45	42	39	38	38	37	37	37	37	37	37						
33	72	72	72	72	72	72	72	62	55	50	46	44	43	43	42	42	42	42	42	42	v	v	v	v	v	
34	40	40	40	40	40	40	40	40	25	18	16	14	13	12	11	10	10	10	10	10	10	10	10	10	10	
35	44	44	44	44	44	44	44	44	29	22	18	16	15	14	13	12	12	12	12	12	12	12	12	12	12	
36	50	50	50	50	50	50	50	50	32	25	21	19	17	16	15	14	14	14	14	14	14	14	14	14	14	
37	52	52	52	52	52	52	52	52	35	28	24	22	20	19	18	17	17	17	17	17	17	17	17	17	17	
38	54	54	54	54	54	54	54	54	39	32	28	25	23	22	21	20	20	20	20	20	20	20	20	20	20	
39	56	56	56	56	56	56	56	56	43	35	31	28	26	24	23	22	22	22	22	22	22	22	22	22	22	
40	58	58	58	58	58	58	58	58	45	37	33	31	29	27	26	25	25	25	25	25	25	25	25	25	25	
41	60	60	60	60	60	60	60	60	50	42	38	35	32	30	28	27	27	27	27	27	27	27	27	27	27	
42	66	66	66	66	66	66	66	66	54	46	41	38	35	33	33	32	32	32	32	32	32	32	32	32	32	
43	70	70	70	70	70	70	70	70	58	50	45	42	39	38	38	37	37	37	37	37	37	37	37	37	37	
44	72	72	72	72	72	72	72	72	62	55	50	46	44	43	43	42	42	42	42	42	42	42	42	42	42	

Technical data

Data / Type		Monofilaments made of Polyamide alloys						Monofilaments made of Fluorocarbon		Polyfilament made of UHMWPE			
		STROFT N	STROFT color	STROFT GTM	STROFT LS	STROFT ABR	STROFT FC1	STROFT FC2	STROFT GTP Type R	STROFT GTP Type E	STROFT GTP Type S		
Raw material (Chemical name)		Polyamide-alloy	Polyamide-alloy	Polyamide-alloy	Polyamide-alloy	Polyamide-alloy	PVDF	PVDF	Peak-UHMWPE	Peak-UHMWPE	ULTRA-Peak-UHMWPE		
Raw material (Brandname or other description)		Copolymer Blend	Copolymer Blend	Copolymer Blend	Copolymer Blend	Copolymer Blend	Fluorocarbon	Fluorocarbon	Dyneema-Spektra, Tivar o.a.	Dyneema-Spektra, Tivar o.a.	Dyneema-Spektra, Tivar o.a.		
Line type		Monofilament	Monofilament	Monofilament	Monofilament	Monofilament	Monofilament	Monofilament	Polyfilament, braided made of up to 8 strands	Polyfilament, braided made of many strands	Polyfilament, braided made of multiple strands		
Color		Crystal white	Black, red, yellow (fluoresc.)	Blue grey transparent	Light grey transparent	Light brown transparent	Crystal transparent	Crystal transparent	Light grey, green et al. altogether 9 colors	Water grey, et al. altogether 6 colors	Silver grey, yellow green		
Tensile strength dry ¹⁾ without knot	N/mm²	750	1.030	1.150	1.180	1.150	1.070	1.060	2.500	2.550	2.600		
Tensile strength wet ²⁾ without knot	N/mm²	680	990	1.070	1.100	1.070	1.070	1.060	2.500	2.550	2.600		
Tensile strength with knot ³⁾	%	90	100	100	100	96	85	80	86 ⁴⁾	88 ⁴⁾	90 ⁴⁾		
Water absorption ²⁾	%	9	6	6	6	4	0,01	0,01	0,002	0,002	0,002		
Measurement and production related tolerance ¹⁾	mm	+ 0,025	+ 0,025	+ 0,025	+ 0,025	+ 0,025	+ 0,025	+ 0,025	not stated ⁵⁾	not stated ⁵⁾	not stated ⁵⁾		
Permissible diameter variation ¹⁾	mm	+/- 0,002	+/- 0,002	+/- 0,002	+/- 0,002	+/- 0,002	+/- 0,002	+/- 0,002	not stated ⁵⁾	not stated ⁵⁾	not stated ⁵⁾		
Permissible breaking strain deviation ¹⁾	%	+/- 10	+/- 10	+/- 10	+/- 10	+/- 10	+/- 10	+/- 10	+/- 10	+/- 10	+/- 10		
Elongation at break ¹⁾	%	31	29	24	17	23	26	26	4	4	4		
Strike elongation ¹⁾ (approx. 50% line load)	%	19	17	14	9	13	14	14	3	3	3		
Low load elongation ¹⁾ (approx. 10% line load)	%	7	6	5	3	5	2	2	1	1	1		
Density	g/cm³	1,14	1,14	1,14	1,14	1,14	1,78	1,78	0,97	0,97	0,97		
Refractive index		1,58	1,58	1,58	1,58	1,58	1,42	1,42	1,54 ⁶⁾	1,54 ⁶⁾	1,54 ⁶⁾		
Resistance to heat up to	°C	60	60	60	60	60	50	50	50	50	50		
Resistance to cold up to	°C	- 40	- 40	- 40	- 40	- 40	- 20	- 20	- 20	- 20	- 20		
Melting point	°C	205	205	205	205	205	175	175	160	160	160		
Abrasion resistance		medium	high	high	high	very high	very high	very high	very high	very high	very high		
Sensibility/Feedback		medium	medium	high	very high	high	very high	very high	extremely high	extremely high	extremely high		
Softness/Suppleness		medium	soft, supple	supple	hard, supple	tough, supple	hard, supple	hard, supple	soft	soft	soft		
Stiffness, memory		low	very low	medium	high	medium-high	high	high	extremely low	extremely low	extremely low		
Visibility		very low	very high	very low	very low	low	extremely low	extremely low	high (depending on color)	high (depending on color)	high (depending on color)		
Resistance to light		medium	high	high	high	high	extremely high	extremely high	extremely high	extremely high	extremely high		
Resistance to saltwater		medium	high	high	high	high	very high	very high	very high	very high	very high		
Castability		good	very good	extremely good	very good	very good	good	good	very good	very good	extremely good		
Durability		low	high	high	high	high	very high	very high	very high	very high	very high		
Quality - price range		low	high	high	very high	high	very high	high	very high	very high	extremely high		

¹⁾ Line diameter approx. 0,25/0,26mm, humidity 70%, air temperature 20 °C

²⁾ Line diameter approx. 0,25/0,26mm, storage in water 1 h., water temperature 20 °C

³⁾ Dry ¹⁾ and wet ²⁾ with loop knot, double (see page Seite 33), each time in % of tensile strength without knot

⁴⁾ Tensile strength can be improved by splicing or by the use of „clevis type eyelets“.

⁵⁾ Applies to single fibre

Note: The breaking strength for all lines and diameters can be found in the price charts. See also page 16.

¹⁾ Line diameter approx. 0,25/0,26mm, humidity 70%, air temperature 20 °C

²⁾ Line diameter approx. 0,25/0,26mm, storage in water 1 h., water temperature 20 °C

³⁾ Dry ¹⁾ and wet ²⁾ with loop knot, double (see page Seite 33), each time in % of tensile strength without knot

⁴⁾ Tensile strength can be improved by splicing or by the use of „clevis type eyelets“.

⁵⁾ Applies to single fibre

Note: The breaking strength for all lines and diameters can be found in the price charts. See also page 16.

„Memory“ and „Line curl“

„**Memory**“ describes the tendency of a fishing line to maintain its most recent shape (i.e. the coil when spooled on a fishing reel). Regular use decreases the coil shape. So does the very fine indentation caused by tightly spooled upper layers of line on the layers below. When spooling the line of the reel it might therefore not feel totally smooth. But this effect is only temporary - and does not damage the line. When in use and reeled off the spool, fishing lines return to their „original state“ very quickly, particularly in summery temperatures. This process can be speeded up by reeling line of the spool and applying strain or stretch on it.

„**Line curl**“ is different and occurs for instance when pulling line over an edge. This line curl is mostly irreversible and can often not be fully rectified. If repeated and intensive strain does not straighten the line, it will remain permanently deformed. In this instance we do not speak of memory but rather of deformity. The affected piece of line should be replaced, at least if the line shows damage on its surface.

Line curl also appears when knots were tied incorrectly (see page 37). Mostly by applying too much force when pulling the knot tight through hook eyes, tippet rings, snaps and swivels. Line is not damaged in the process and therefore does not diminish the line's strength - line curl is still an unwanted effect, particularly with fly fishing leaders and should be avoided at all cost.

Memory and line curl is an effect mostly found in modern, somewhat stiffer high performance monofilament. The stiffer the line and the cooler the outside temperatures when fishing the more these lines are susceptible to memory. Ice and winter fishermen often forego higher tensile strength of stiffer performance lines and prefer lines with more suppleness. Particularly when fishing lines with a diameter of 0.25mm and above. Such decisions are highly personal and every angler has got to choose for himself. Following forum discussions we are aware that STROFT GTM, STROFT ABR and especially STROFT LS fall into this category. Some anglers will use them regardless of outside temperatures. For others these lines are too stiff in winter temperatures and they prefer STROFT Color.

Fly fishermen on the other hand do not want to abandon the outstanding tensile strength and turnover of somewhat stiffer high performance fishing lines - as can be witnessed by the success of STROFT GTM as leader and tippet material. If knots are tied properly - according to the instruction on page 37 - even stiffer lines such as STROFT LS show very little signs of curl and all its benefits are available to the angler. Apart from that, anglers and particularly fly fishermen for whom a fully stretched leader is of high importance have always had a knack to help themselves. They use a short bit of bike tube or similar to straighten the tippet to get rid of memory or line curl.

One end of the leader is fastened to a fly or hook to assist with grip. The other end is being pulled to keep the line straight. The affected area is placed between the rubber straightener and gently pulled to and fro, which causes molecular friction and rising temperatures. As a result the line expands and straightens. This process should be carried out with care - at least on the tippet - since heat development may reduce tensile strength.

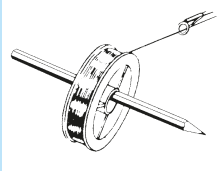
We therefore highly recommend using other material than rubber as straightener. For instance material with high thermal conductivity which also dissipates temperatures caused through molecular friction quickly. With this in mind risk to line damage is reduced, yet flawless straightening of leader material is achieved. In our experience terry cloth or similar fabric weighing ca. 300-400 g/m² made of micro fibres of polyester/polyamide are best suited.

Memory and line curl is an issue mostly affecting monofilament lines. Braided lines such as STROFT GTP are less affected by it.

Correct line loading

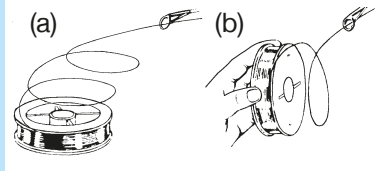
Our guide to loading our lines correctly ant twist-free:

Bait casting reel



Put a pencil or similar object through the hole of the reel. Feed the line through the rod rings and pull the line while the reel turns.

Spinning reel



Place the reel on the ground with the label facing down (diagram a), or hold the reel as shown in diagram b. Feed the line through the rod rings and pull the line across the edge of the unlabelled reel.

Very important!

The fishing line should be spooled 2 -3 days before use to prevent birds-nest.

Function of the soft foam light protection ring:

- completely seals and protects the line from harmful light and UV rays.
- allows damage free line removal (e.g. by leader material) without removing the ring.
- keeps the line supple and free from damage on the line reel.
- easily removable - grip and pull



EFTTA logo for monofilaments

The EFTTA has created a new logo so as to be even more effective in fighting dishonest monofilament line diameters and breaking strains, this will be used by companies complying with the EFTTA's „Line Standard“ norm. Companies taking part in the system commit themselves to uphold EFTTA quality standards concerning truthful information on mono-

filament line diameters and breaking strains. They guarantee to install adequate quality procedures and controls. Companies making fraudulent information can be prosecuted in court. We welcome this new initiative, especially as we have been drawing attention to this problem for years. Back in 2004 the EFTTA established that STROFT GTM correctly stated the line diameter and breaking strain on the label, it was one of the first lines tested and was subsequently awarded the EFTTA approved logo. You will find the „EFTTA logo“

on all the STROFT monofilament fishing line labels. As a customer you have the ability to separate the wheat from the chaff. Be wary of lines with high breaking strains that don't portray the EFTTA logo. Meanwhile, a number of reputable companies are taking part in the EFTTA's „Line Standard“ scheme - but there are also many companies that have not yet signed up!



And what about the polyfilament (braided) lines?

Unfortunately, there is still no appropriate approach for polyfilament lines. Here, the potential for fraud is much larger than with monofilaments. That's why such claims as „carrying capacity 10.60 kg at 0.06 mm diameter“ or similar are still being made. In such claims the actual breaking strain is multiplied many times over.

A polyfilament fishing line consisting of the world's best UHMWPE fibres with a correspondent diameter of 0.06 mm can have a maximum breaking strain of 1.5 kg! Unfortunately, the determination of the actual diameter of multifilament lines is problematic, so that the EFTTA has still not taken decisive action against these fraudulent manufacturers. On the other hand, many sport fishermen have already noticed this, as one can read in the appropriate forums on the internet.

Many anglers also know which manufacturers make true statements and which don't. Maybe the problem will resolve itself as we have recorded strong sales growth in particular for GTP STROFT braided lines. Perhaps also because the customer knows that he can rely on the information on the STROFT label. See also page 16.

Knots for STROFT lines

With STROFT fishing lines we recommend using the knots we have compiled in a guidebook. You can request this booklet that we have published in conjunction with the German fishing magazine BLINKER free of charge.



The booklet gives an introduction to a number of different knots. Most fishermen will have a preference for one or the other. We are still convinced that with all STROFT fishing lines as with almost all fishing methods there is but one knot to manage „most“ requirements.

And that is the **uni knot**, also referred to as grinner knot. We recommend this knot because:

- a) it achieves almost 100% knot strength and tensile strength with all STROFT fishing lines using hook eyes, tippet rings, snaps and swivels
- b) it is fairly easy to tie
- c) it achieves consistent tensile strength values if tied correctly
- d) it can be used with monofilament lines without causing line curl
- e) it is very well suited to be used as a stopper knot
- f) it is very well suited to connect two fishing lines together (i.e. self-made tapered leaders, we recommend using tippet rings and uni knots to connect two strands of leader)

The limitation to one knot being used for almost all, rather than all fishing methods, stems from the restriction experienced when wanting to use a loop to tie on bait or streamers. Uni knots pull together and for some uses that is not wanted. For instance, when using streamers or baits that should move through the water freely and unrestricted. How to tie loop knots is also shown in the booklets.

On the next page we describe the **uni knot** in detail. It is well worth paying attention to the instruction and practicing to tie a few knots according to the guideline. You will get rewarded with better results than you were used to, with regard to knot strength and quality. The uni knot is relatively easy to tie but slight mistakes may affect strength and line smoothness around the knot. Easily made mistakes are **highlighted in blue**.

The uni knot

Run line through eye of hook and double back parallel to the standing line. Make a loop by laying tag end over the doubled line. (fig. 1)

With monofilament lines make 5 turns with the tag end around the double line and through the loop. (fig. 2) With this in mind it is important to stick to the number of turns. One turn more or less can reduce the knot strength. With braided lines we recommend making at least 6 turns. It can be considerably more if wanted. (making 12 turns still achieves 90% of tensile strength).

Take the line at both ends A and B (fig. 3) and slowly pull tag end. Each turn snugs up to the other when done correctly ...

... eventually the knot will look like this (fig. 4). Pulling the knot tight at this point is very important to avoid slipping of turns. Otherwise tensile strength loss might occur.

In the next step slide the knot down to the eye. The knot will sit snug on the line and will need assistance in this process. Therefore grab the knot with two fingers at C (fig. 4) and the line with the other hand at D to slide the knot to the ring. Do not slide the knot with the finger nail which might cause curling. The loop on the ring is gradually getting smaller and the line end easily slides through the ring until ...

... the knot sits tight on the ring (fig. 5). If you were to pull the knot tight without assistance the line would be put under a lot of strain which might cause curling (see also page 10 and 34).

Finally grab both line ends at E and F as shown (fig.6) and pull tight. The line end can be trimmed at G since the knot is complete and no line will slide up any longer.

Hint: Moistening the line is not recommended and could lead to reduction in tensile strength.

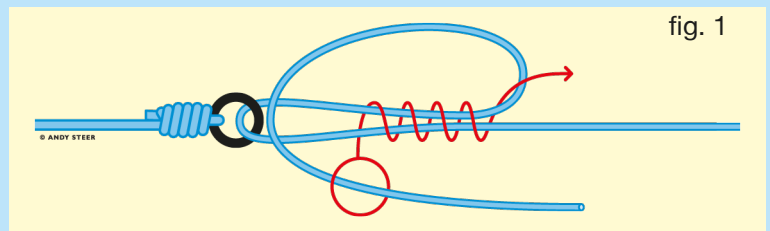


fig. 1

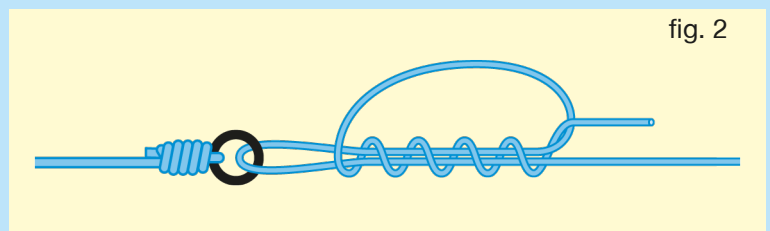


fig. 2

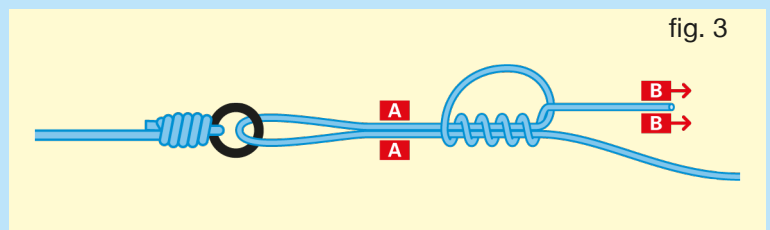


fig. 3

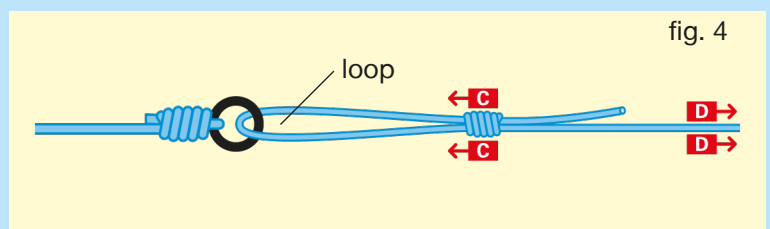


fig. 4

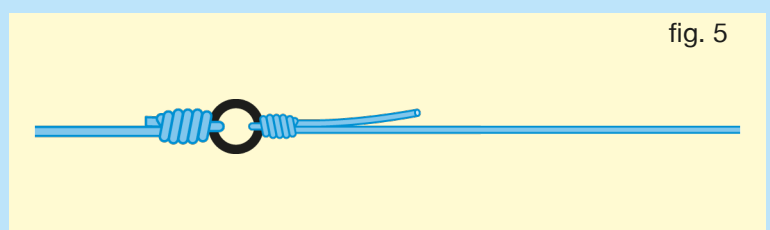


fig. 5

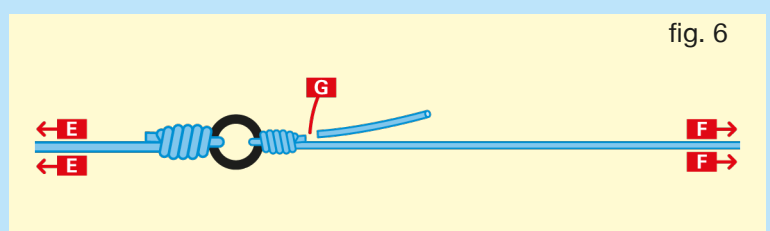


fig. 6

The sliced loop for braided STROFT GTP lines

We managed to improve on the characteristics of our Peak-UHMWPE fibres considerably with regard to knot strength. The improved fibres entered into our production process (see page 2 - „over 30 improvements“). Therefore we managed to achieve 90% of tensile strength (when using 12) turns which is more than enough in most situations. At least with thinner diameter lines with which spliced loops are difficult to achieve. If you strive for even more knot strength - particularly with higher diameter lines - we recommend using a spliced loop with which it is possible to achieve almost 100% tensile strength.

Due to the round and solid splicing of STROFT GTP lines, it is easy to produce an interlocking spliced loop. That is another advantage of STROFT GTP lines which most other „so called“ braided lines lack. An interlocking loop is very difficult to achieve with loosely spliced lines and impossible to produce with twisted, plied, glued or parallel welded filaments.

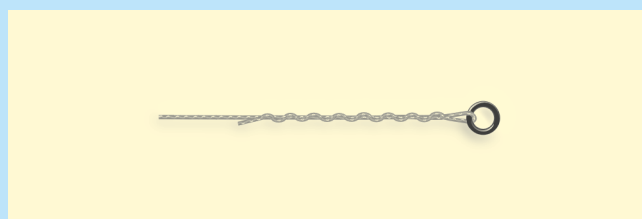
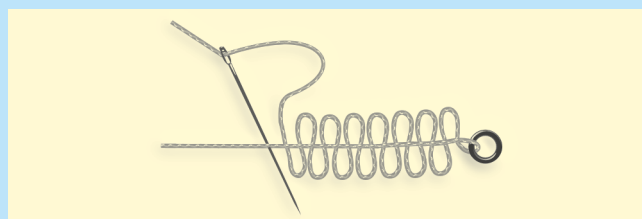
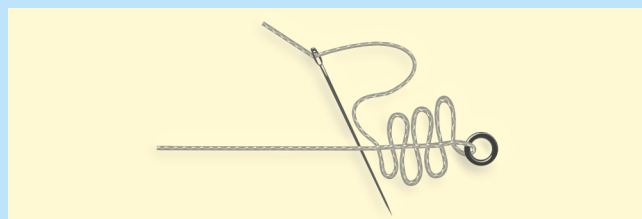
The spliced loop is a bit tricky to do, but a little practice pays high dividends. Therefore we portray the knot on the right. So here are a few tips:

- You will need a sewing needle as fine as possible and depending on how fine the diameter is possibly a magnifying glass.
- The number of stitches required to generate self-clamping is dependent on the line diameter and the distance between the stitches. The thinner the line, the more stitches must be made (see our splicing table), and the closer they must be. Position the stitches as close as possible to each other (see fig. 1).
- If you find that the stitches are perhaps too far apart, just make a few more to be on the safe side.
- If you use the number of stitches in the table (column A), then no additional securing using super-glue etc. is necessary. If you want to use fewer stitches than in the table (eg. when using very thin line) then secure the splice with a drop or two of super-glue that is suitable for plastic.

Hint:

If you use the splice to attach a rig-ring, swivel or karabiner to the end of your STROFT GTP mainline and attach your trace, leader or tippet to this you are maintaining the maximum breaking strain and utilising all the advantages of STROFT GTP to the full.

Splicing-table		
STROFT GTP Type	Column A number of stitches without securing	Column B number of stitches with securing „super-glue“ approx.
R01	20	15
R02	20	14
R03	20	13
R04, S04	20	12
R05, S05	19	12
R06, E06, S06	18	12
R1, E1, S1	17	12
R2, E2, S2	16	12
R3, E3, S3	15	12
R4, E4, S4	14	12
R5, E5, S5	14	12
R6, E6, S6	13	12
R7, E7, S7	12	11
R8	11	10
R9	10	9
R10	9	8
R11	9	8
R12	9	8



Spliced loop on the example of a STROFT GTP Type 2 with 16 stitches and splicing length approx. 3,0 cm.

Terms (Prices, ordering, delivery, payment)

§1 Allgemeines, Geltungsbereich

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- 15% ab 150,- € Rechnungswert
- 20% ab 250,- € Rechnungswert

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3. Der Vertrag kommt durch Zusendung der bestellten Ware zustande.

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Ausland: Für Lieferungen ins Ausland gelten abweichende Beträge, diese sind im Onlineshop unter shop.stroft.de einzusehen.

§6 Zahlung

Sie kaufen risikolos, ohne Vorauszahlung und ohne Nachnahme. Im Inland können Sie innerhalb von 30 Tagen nach Rechnungsdatum oder auf Wunsch auch per Lastschrift oder im Onlineshop per Paypal bezahlen. ASPO behält sich das Recht vor, bei Erstbestellungen oder höheren Rechnungsbeträgen, Zahlung per Vorkasse oder Nachname zu verlangen. Lieferungen ins Ausland erfolgen per Vorkasse (Banküberweisung oder Paypal) mit Berechnung der Versandkosten.

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§9 Gewährleistung

1. ASPO trägt die Gewähr dafür, dass die Ware bei Übergabe mangelfrei ist. Zeigt sich innerhalb von sechs Monaten seit Übergabe der Ware ein Sachmangel, so wird vermutet, dass diese bereits bei Übergabe mangelhaft war, es sei denn, diese Vermutung ist mit der Art des Mangels unvereinbar. Zeigt sich der Mangel erst nach Ablauf von sechs Monaten, so muss der Käufer beweisen, dass der Sachmangel bereits bei Übergabe der Ware vorlag.
2. Ist die Ware bei Übergabe mangelhaft, so ist ASPO zur Ersatzlieferung verpflichtet. ASPO kann vom Käufer verlangen, die mangelhafte Ware unfrei zurückschicken.

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§12 Salvatorische Klausel

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Im Weddern 7
23858 Reinfeld
E-Mail : info@aspo-gmbh.de
Fax (Inland) : 04533-61940
Fax (Ausland) : 00494533-61940

§2 Widerrufsfolgen

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Die Kosten und Gefahr der Rücksendung trägt der Käufer. Erstattungen von Zahlungen müssen innerhalb von 30 Tagen erfüllt werden. Die Frist beginnt für uns mit dem Empfang der Ware.

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