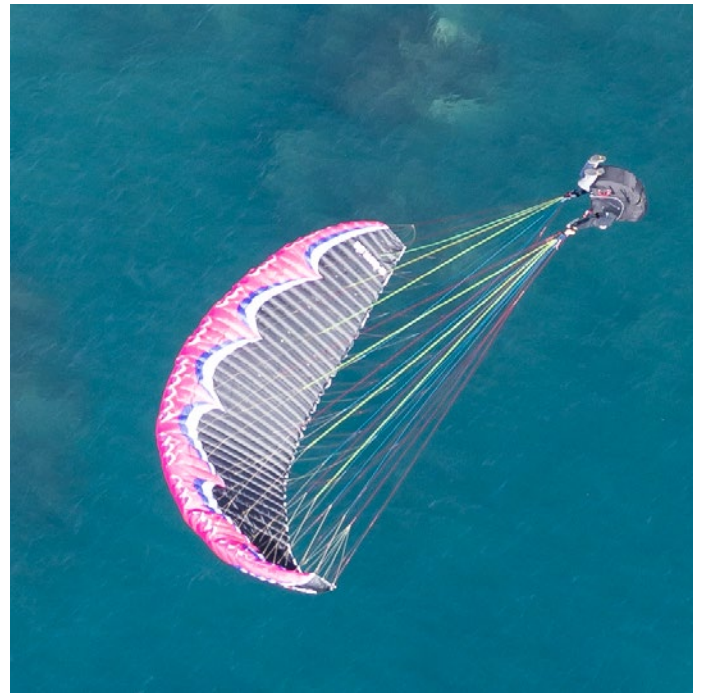
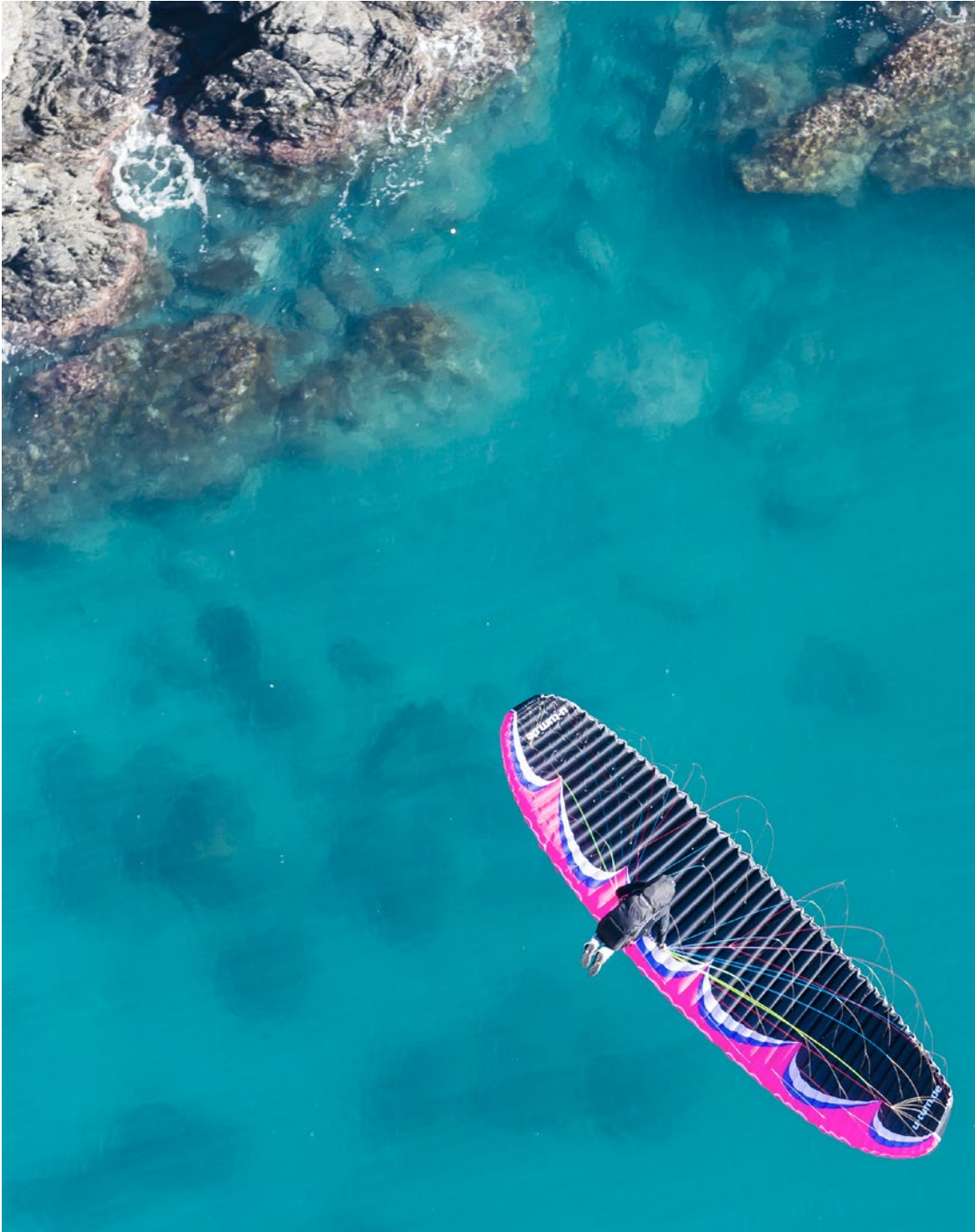


BLACK OUT

WE DID EVERYTHING,
TO MAKE THE DYNAMIC
EASY TO HANDLE.



TURN
SAFEFUN





BLACKOUT

Simple dynamics.

It is back, the acro glider with the unbeatable handling! The new acro glider BLACKOUT is aimed at all acro pilots, who want to combine much dynamic with very simple handling. That is why the glider is suitable for hobby acro pilots, acro beginners as well as for professionals. The BLACKOUT is the advancement of the co-operation concept Emilie – however the glider developed by U-Turn was heavily improved and newly constructed from the current technical knowledge and experience.

Simplification was the ultimate ambition. Simple with the handling but also in the construction – thus already in the attention was paid to a light canopy construction. The small weight of the wing is facilitating the sweet-tempered flying features of the dynamic wing. Nevertheless U-Turn is setting great value upon

the longevity and high form fidelity of its wings and this way much effort was put in the acro glider BLACKOUT to preserve the exceptional flying features under extreme workload for a long time.

The turn on in the passage of all negative maneuvers is very homogenous with the BLACKOUT which reduces the tendency to twist and therefore supplies more safety especially to acro beginners.

Even though the BLACKOUT is mastering all acro maneuvers without problems, attention was paid to the fact that the glider forgives mistakes of the pilot. Brake and canopy tension were picked accordingly, so that acro beginners can obtain senses of achievement fast. Especially in the basic maneuvers like rhythmic sat / infinity / heli2sat / sat2heli / misty / mctwist / misty2heli much value was set

upon simple handling. The turn on in the passage of all negative maneuvers is very homogenous with the BLACKOUT which reduces the tendency to twist and therefore supplies more safety especially to acro beginners.

An important aspect in all the test flights, was the optimization of the brake pressure. For example at the size 17 with 93 kg pilot weight the double acro brake is not necessary anymore – without winding or grasping to the second stage all maneuvers are possible, also the corkscrew or mctwist like team pilot Simon Winkler is raving.

The BLACKOUT is processed with utmost care and designed for longevity under extreme workload. For that U-Turn is also expediting the innovations in the material production – this way at the BLACKOUT the new PX40 is used. This was developed in co-operation with Paratex on the base of the established Thriller material. An innovative coating is providing better long term values and optimized tear resistance.

PX40 is at the moment the strongest cloth out of which wings can be built. But also in the processing everything is done for longevity and form fidelity, part of that are multiple strengthened sewings and strengthenings at all line suspensions and v-tapes. Chief designer Ernst Strobl is building the dynamic acro wing on 50 cells and relying on modified line geometry. Like all acro gliders also the BLACKOUT is equipped with the Stabilo Security Function (SSF) to quickly resolve the situation when making a swaying movement.

The BLACKOUT is available as of now in the following sizes:
17m², 18m², 20m², 21m²

For more information visit www.u-turn.de

BLACKOUT

ACROBATIC

17 / 18 / 20 / 21



	17	18	20	21
Start weight Startgewicht	65-100 kg	70-110 kg	75-120 kg	75-120 kg
Flat area Fläche ausgelegt	17,2 m ²	18,2 m ²	20,2 m ²	21 m ²
Projected area Fläche projiziert	14,985 m ²	15,856 m ²	17,598 m ²	18,295 m ²
Flat wingspan Spannweite ausgelegt	9,841 m	10,123 m	10,664 m	10,873 m
Projected wingspan Spannweite projiziert	8,058 m	8,289 m	8,733 m	8,904 m
Flat AR Streckung ausgelegt	5,63	5,63	5,63	5,63
Projected AR Streckung projiziert	4,333	4,333	4,333	4,333
Chord: center / wingtip Flügeltiefe: Mitte / Stabilo	2,169 / 0,484 m	2,232 / 0,498 m	2,351 / 0,525 m	2,397 / 0,535 m
V-trim V-Trim	41-43 km/h	41-43 km/h	41-43 km/h	40-42 km/h
V-max V-Max.	55 km/h +	55 km/h +	55 km/h +	55 km/h +
Bridle height Abstand Tragegurt-Kappe	5,904 m	6,074 m	6,399 m	6,524 m
Nr. of cells Zellenanzahl	50	50	50	50
Glider weight Gewicht	5,7 kg	5,9 kg	6,4 kg	6,6 kg
Bridle length Gesamt Leinenlänge	304,55 m	313,28 m	330,04 m	336,51 m
Line diameter Leinendurchmesser	2,4 / 2,0 / 1,65 / 1,3 1,2 / 1,1 / 0,7 / 0,65 mm	2,4 / 2,0 / 1,65 / 1,3 1,2 / 1,1 / 0,7 / 0,65 mm	2,4 / 2,0 / 1,65 / 1,3 1,2 / 1,1 / 0,7 / 0,65 mm	2,4 / 2,0 / 1,65 / 1,3 1,2 / 1,1 / 0,7 / 0,65 mm
Speed system / trimmer Fuß Beschleuniger / Trimmer	Yes / Yes Ja / Ja	Yes / Yes Ja / Ja	Yes / Yes Ja / Ja	Yes / Yes Ja / Ja
Certification Zulassung	No Certification Keine Zulassung	No Certification Keine Zulassung	No Certification Keine Zulassung	No Certification Keine Zulassung
Certified standards and procedures Angewandte Testverfahren	Tested and trimmed by U-Turn Acro-Team	Tested and trimmed by U-Turn Acro-Team	Tested and trimmed by U-Turn Acro-Team	Tested and trimmed by U-Turn Acro-Team



PARATEX PX40



COLOR 01



COLOR 02



COLOR 03