

**WE PACKED**  
*safety* **LIGHTLY,**  
**TO INSPIRE**  
**YOUR** *progress*

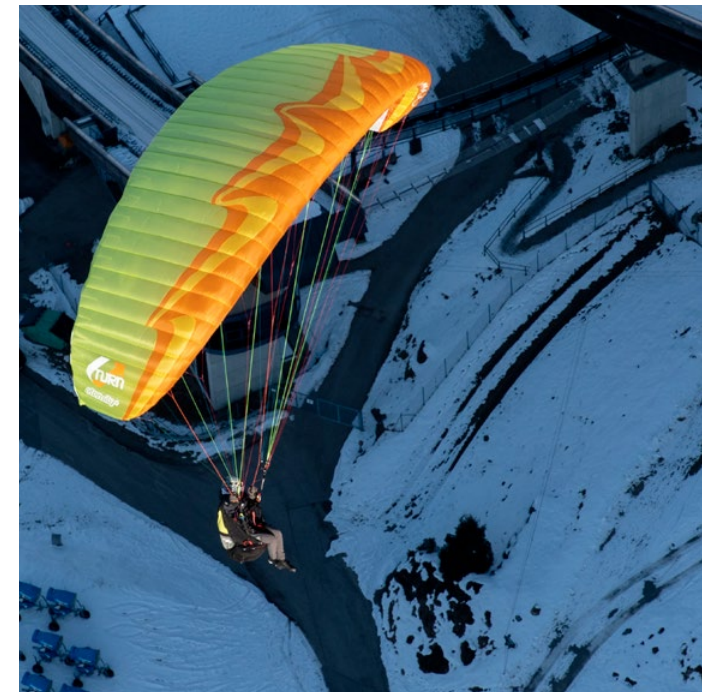
**eternity+**  
(LTF/EN A)

**TURN**  
SAFEFUN

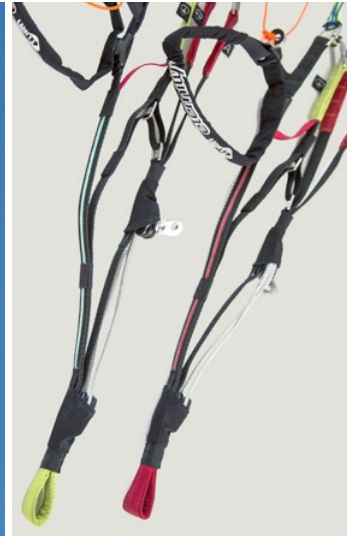
**BUILT FOR GROWTH IN FLIGHT.**



**HIGHEST LEVEL OF PASSIVE  
SAFETY PACKED LIGHTLY.**



# eternity<sup>+</sup>



## KEYFACTS

### + **LIGHTER**

Weightoptimized very small pack size

### + **FASTER**

Higher trim speed through modified overall concept

### + **MORE STABLE**

More performance and easier centering in thermal through optimized roll dampening

### + **SAFER**

increased passive safety  
Lower inertia  
New dimension in smooth running and safety



# ETERNITY 4

## SAFETY PACKED LIGHTLY

The ETERNITY 4 stands for endless pleasure, built for your safe progress. Once again it was about everything – about the reinterpretation of a classic. The performance data will inspire your mind, but the flight characteristics will inspire your heartbeat. The glider concept provides maximum safety with an optimized power-to-weight ratio and a small pack size. It is a wing for growth in flight, for self-development and satisfies any form of hunger for adventure.

The ETERNITY 4 is a high-performance A-class glider that makes another statement for the future. The good-natured reactions in extreme flight maneuvers have remained. The concept has already inspired thousands of pilots across the world in the past. Its already sporty handling has been further improved and offers smoother running at the same time. The concept is trimmed for performance, so the wing also bites into weak thermals and pulls intuitively to the center. When turning, the ETERNITY 4 implements control impulses precisely and converts thermals into altitude very well. Profile modifications have increased the wing speed and improved the gliding properties.

Build for flying growth, the modern high-tech wing has everything a pilot's heart could expect from the latest generation A-Class. A perfect all-rounder and companion for every flight and every flight adventure. The latest technical achievements in the highest

processing quality ensure high-value retention. Wafer-thin titanium alloys from the competition area are used to keep the entry opening tensioned on the

ground and give the light canopy the best launch characteristics. It rises reliably and without tendencies to overshoot to the zenith. Which also comes into play very clearly when it comes to ground handling.

The ETERNITY 4 is built for growth in flight. A high-performance A-Class wing with the highest level of passive safety lightly packed.

Chief designer Ernst Strobl is developing the latest ETERNITY generation on the basis of the A-Class reference EMOTION 4. Radically redesigned, U-Turn incorporates all knowledge from extreme acrobatics into the wing concepts. An indicated sharknose helps the high-end A-wing to smoothly bite into thermals. Ultra-thin Nitinol reinforcements on the leading edge keep the profile shape under tension even on the ground. The super-elastic nickel-titanium alloy allows for strong deformations and quickly returns to its original shape thanks to memory effect. In addition, the 3D shaping (3DS) ensures optimized profile tension in the nose area. Miniribs on the trailing edge and the brake gathering system (BGS) ensure the sporty handling characteristics. The High Pressure Crossport Design (HPCD) optimizes the cross-ventilation of the crossports and creates a balanced internal pressure of the good-natured wing. The line setup has been modified to improve performance and has been shortened by 20% compared to the previous model. Color differentiated coated PPSLS lines of the latest generation are used. Even with the riser set, everything was designed for a clear and elegant look. An elegant decorative line marks the rear risers for a better overview of the attachment and continues the Color Code Connection (CCC). The Pilot Assistant (PAS) pictograms provide orientation. The newly developed U-Turn neoprene comfort handles with Fitlock holder can be infinitely adjusted in size. By removing the flexible reinforcement, they can be converted into pure soft handles.

An everyday wing with an optimized power-to-weight ratio – in all efforts to save weight, great attention was paid to durability. The wing deliberately dispensed with the weight savings through soft links in favor of simplified handling. The light Skytex27 materials are used here in combination with Dokdo20. The ETERNITY 4 is the perfect beginner's wing that promises a safe fun factor long after school. The wing is aimed at all pilots who are looking for a high-end A-Class glider of the latest generation. Maximum passive safety combined with a lot of performance.

With seven different sizes, the ETERNITY 4 covers an extremely large weight range from 50 to 160 kgs. Available in four color combinations.

XXS 20.3 / XS 22.1 / S 24 / SM 26.2 / M 28.5 / L 31 / XL 34 (TANDEM)

Arrange a test flight and experience aeronautical growth!

Further information at [www.u-turn.de](http://www.u-turn.de)

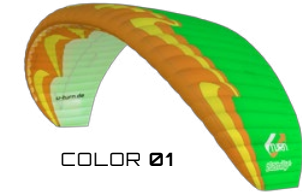
# EMOTION 4



## LTF/EN-A HIGH SCHOOL / LIGHTWEIGHT

XXS 20,3 / XS 22,1 / S 24 / SM 26,2 / M 28,5 / L 31 / XL 34

	XXS	XS	S	SM	M	L	XL
Recommended Start weight **** Empfohlenes Startgewicht ****	50-65 kg	55-70 kg	65-85 kg	80-100 kg	95-115kg	110-130 kg	125-150 kg
Increased takeoff weight Erweitertes Startgewicht ***	65-75 kg	70-80 kg	85-95 kg	100-110 kg	115-125 kg	130-140 kg	150-160 kg
Flat area Fläche ausgelegt	20,3 m <sup>2</sup>	22,1 m <sup>2</sup>	24 m <sup>2</sup>	26,2 m <sup>2</sup>	28,5 m <sup>2</sup>	31 m <sup>2</sup>	34 m <sup>2</sup>
Projected area Fläche projiziert	16,70 m <sup>2</sup>	18,18 m <sup>2</sup>	19,75 m <sup>2</sup>	21,56 m <sup>2</sup>	23,45 m <sup>2</sup>	25,51 m <sup>2</sup>	27,98 m <sup>2</sup>
Flat wingspan Spannweite ausgelegt	10,07 m	10,51 m	10,95 m	11,44 m	11,93 m	12,45 m	13,03 m
Projected wingspan Spannweite projiziert	7,71 m	8,04 m	8,38 m	8,76 m	9,13 m	9,53 m	9,98 m
Flat AR Streckung ausgelegt	5	5	5	5	5	5	5
Projected AR Streckung projiziert	3,56	3,56	3,56	3,56	3,56	3,56	3,56
Chord: center / wingtip Flügelteiefe: Mitte / Stabulo	2,39 m / 0,71 m	2,5 m / 0,74 m	2,60 m / 0,77 m	2,72 m / 0,81 m	2,84 m / 0,84 m	2,96 m / 0,88 m	3,10 m / 0,92 m
V-trim V-Trim	~ 38-40 km/h	~ 38-40 km/h	~ 38-40 km/h	~ 38-40 km/h	~ 38-40 km/h	~ 38-40 km/h	~ 38-40 km/h
V-max V-Max.	52 - 54 km/h	52 - 54 km/h	52 - 54 km/h	52 - 54 km/h	52 - 54 km/h	52 - 54 km/h	52 - 54 km/h
Bridle height Abstand Tragegurt-Kappe	6,14 m	6,41 m	6,68 m	6,98 m	7,28 m	7,59 m	7,95 m
Nr. of cells Zellenanzahl	38	38	38	38	38	38	38
Glider weight Gewicht	2,95 kg	3,2 kg	3,4 kg	3,6 kg	3,8 kg	4,1 kg	4,4 kg
Bridle length Gesamt Leinenlänge	236 m	221 m	212 m	223 m	252 m	287 m	329 m
Line diameter Leinendurchmesser	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm	0,6 / 0,8 / 1,0 1,2 / 1,4 / 1,6 / 1,8 mm
Speed system / trimmer Fuß Beschleuniger / Trimmer	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein	Yes / No Ja / Nein
Certification Zulassung	EN-A / LTF-A	EN-A/LTF-A	EN-A/LTF-A	EN-A/LTF-A	EN-A/LTF-A	EN-A/LTF-A	EN-A/LTF-A
Certified standards and procedures Angewandte Testverfahren	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20	EN 926-1:2015, EN 926-2:2013+A1:2021 and NFL 2-565-20
Folding lines used for certification Faltleinen für Testflüge benutzt	No Nein	No Nein	No Nein	No Nein	No Nein	No Nein	No Nein
Number of risers Anzahl Traggurte	3+1	3+1	3+1	3+1	3+1	3+1	3+1
Certification No. Zulassungsnummer	PG_1979-2022	PG_1980-2022	PG_1981-2022	PG_1982-2022	PG_1983-2022	PG_1984-2022	PG_1985-2022



COLOR 01



COLOR 02



COLOR 03



COLOR 04

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 \* Takeoff weight (Pilot, Wing, Equipment) total weight range (recommended and Increased) LTF / EN A certified.  
 \* Startgewicht (Pilot, Schirm, Ausrüstung) gesamter Gewichtsbereich (empfohlen und erweitert) LTF / EN A zertifiziert.

