

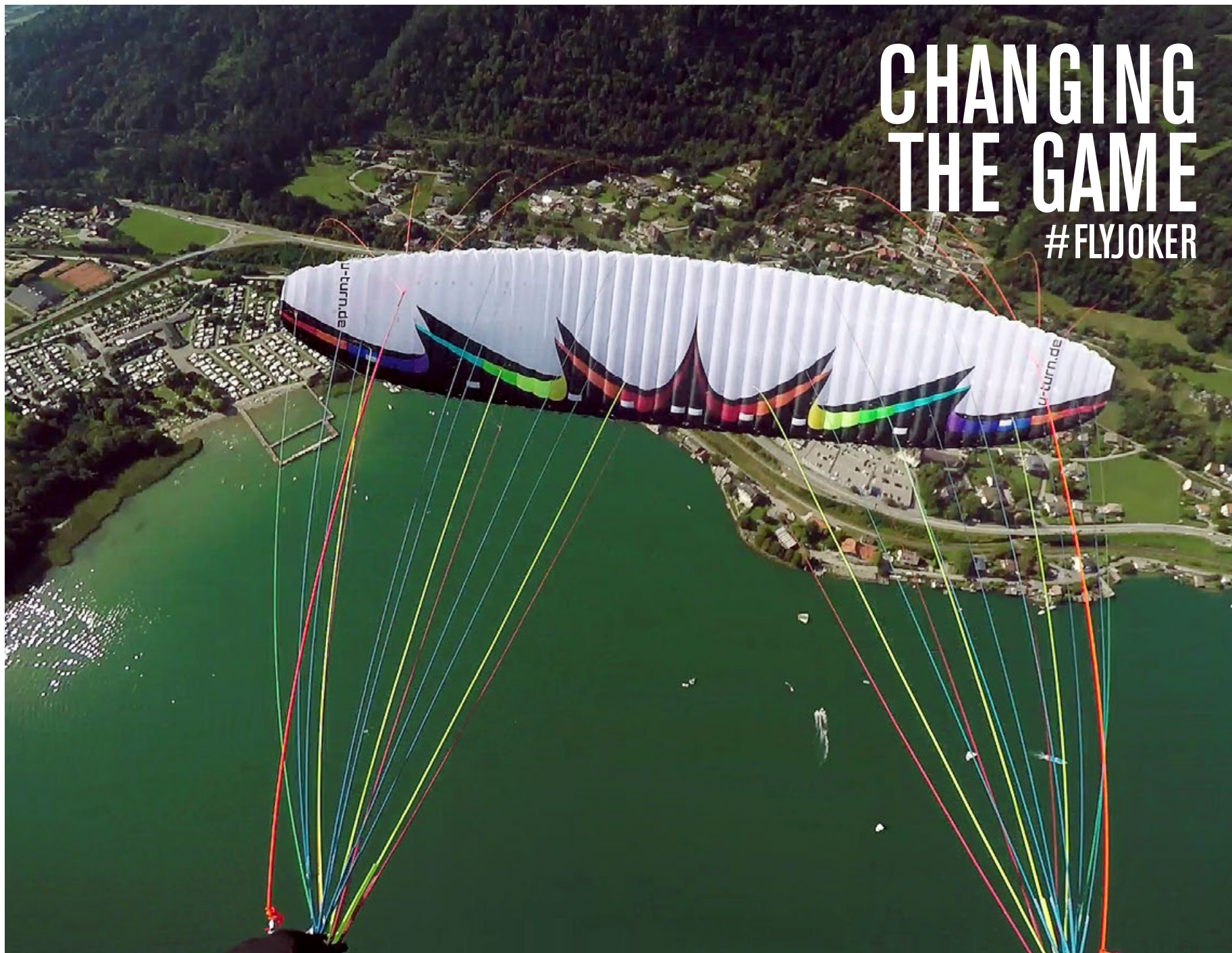


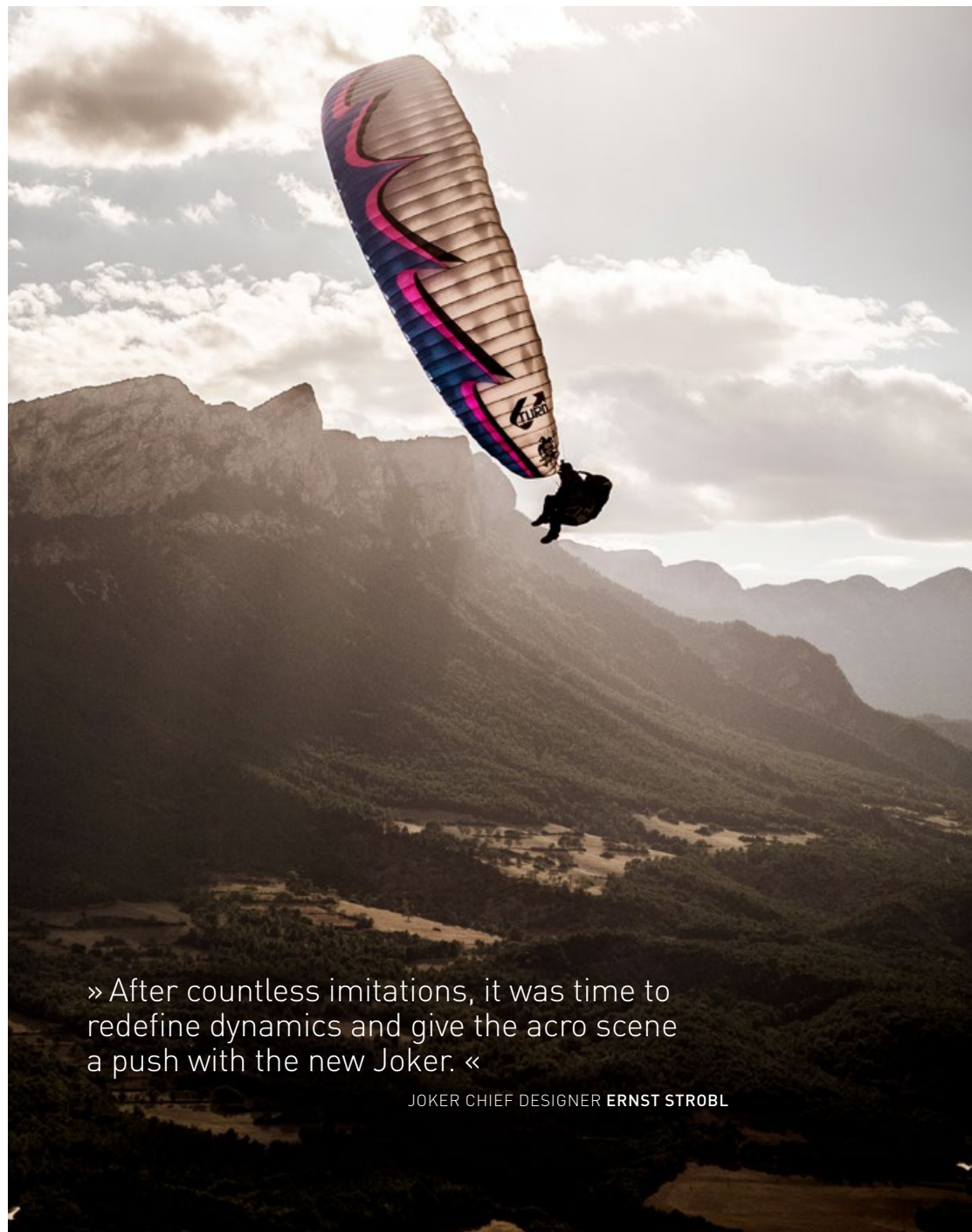
WE REDEFINED DYNAMICS,
SO YOU CAN REDEFINE
THE RULES.



CHANGING THE GAME

#FLYJOKER







JOKER

Changing the game

The JOKER redefines the rules of the game – the principle of pure dynamics brings uncompromising extra power with high rotation speed back to the paragliding acrobatics. Once again it is about a new touchstone. The professional wing combines performance-oriented dynamics with supremely precise handling – „all it takes is a little push“. The JOKER overrides the laws and keeps up the high pressure in the canopy in between maneuvers as well. Responsible for that are the valves in the bottom sail (PBV), developed by U-Turn, in combination with the pressure-optimized geometry of the leading edge. Despite the high dynamics the JOKER has got a balanced canopy-harmony which is why the reactions are accordingly soft as well.

The wing not only performs all acro-maneuvers very swiftly, but especially scores when it comes to the connections. Through the high dynamics and fantastic

turning characteristics of the glider all maneuvers can be exactly led over to and combined. The response behavior is direct and very precise, nevertheless the wing is condoning if the timing is a little bit off. The compact wing has

The Joker is aimed at ambitioned acro pilots and competitive professionals who want to score with high dynamics and fast connections.

A compact wing which despite the high internal pressure provides a balanced canopy-harmony with precise control.

high internal pressure with minimal control delay and still delivers a gentle feedback. The pressure at the stabilos especially was improved multiple times and creates the base for the outstanding turning features at all negative maneuvers. The exceptional athlete and Acro-Team pilot Brooke Whatnall was in charge through the development and took care of the elaborate trimming of every size over the course of one year. At this place we would also like to say thanks to the countless Joker test pilots who voiced their feedback in Organyá and thereby contributed to the perfection of this acro wing.

The JOKER is optimized for Twisted Tricks, therefore Trimmer were left off the risers to keep them clean. The JOKER is delivered with TrimmLoops to simplify the readjustment of the trimming at high loads.

Acro constructor legend Ernst Strobl trusts in the U-Turn typical High-Tech design of the leading edge with pressure-optimized opening sizes and the reinforced Precision Profile Nose (PPN) to optimize the flow-around at the nose area. The PPN+ additionally holds the individual cells in shape and ensures the air income through the rods that are worked in in the middle of the openings - in combination with the valves in the bottom sail that's a pure dynamic weapon. The additional aeration through the Pressure Balance Valves (PBV) in the bottom sail is an innovation by U-Turn. Through the PBV the wing is provided with the necessary pressure, even in extreme angles of attack in the aerobatics. The High Pressure Crossport Design (HPCD) optimized the lateral aeration and provides a balanced internal pressure of the glider. All line attachment points are multiply reinforced. Like at all U-Turn Acro gliders also the JOKER is equipped with the Stabilo Security Function (SSF) to quickly resolve possible problems caused by swaying movements.

The JOKER is built in very high quality and designed for long durability under extreme loads. The numerous innovations and reinforcements call for a very elaborate production process. At the JOKER U-Turn also trusts in the newest generation of the refined version of the Thriller-fabric PX40. Only materials which passed extensive long-term tests and have shown good values were used in the JOKER. But also in the processing everything is done to ensure long durability and form fidelity, that includes multiply reinforced sewings and reinforcements at the line attachment points and V-tapes. The line connections are equipped with the Line Loop Protection (LLP). Thereby the Kevlar core is spliced into the connection loop which additionally prevents snagging of the lines at the point of separation.

The JOKER is in stock as of now on the finely tuned sizes
16 m, 17 m, 18 m, 19 m, 20 m

Changing the game #flyjoker

For further information visit: www.u-turn.de

JOKER



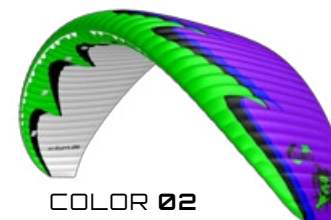
ACROBATIC PROFESSIONAL

16 / 17 / 18 / 19 / 20

	16	17	18	19	20
Start weight Startgewicht	60 - 100 kg	65 - 105 kg	70 - 110 kg	75 - 115 kg	80 - 120 kg
Flat area Fläche ausgelegt	16.0m²	17.0m²	18.0m²	19.0m²	20.0m²
Projected area Fläche projiziert	13,948m²	14,82m²	15,692m²	16,563m²	17,435m²
Flat wingspan Spannweite ausgelegt	9,508m	9,801m	10,085m	10,361m	10,63m
Projected wingspan Spannweite projiziert	7,784m	8,023m	8,256m	8,482m	8,703m
Flat AR Streckung ausgelegt	5,65	5,65	5,65	5,65	5,65
Projected AR Streckung projiziert	4,344	4,344	4,344	4,344	4,344
Chord: Center / Wingtip Flügeltiefe: Mitte / Stabulo	2,090 / 0,407 m	2,155 / 0,420 m	2,217 / 0,432 m	2,278 / 0,444 m	2,337 / 0,455 m
V-Trim V-Trim	41-45 km/h	41-44 km/h	41-43 km/h	40-43 km/h	40-43 km/h
V-Max V-Max.	52km/h +	52km/h +	52 km/h +	52 km/h +	52 km/h +
Bridle height Abstand Tragegurt-Kappe	5,705m	5,880m	6,051m	6,217m	6,378m
Nr. of cells Zellenanzahl	50	50	50	50	50
Glider weight Gewicht	4,90 kg	5,05 kg	5,20 kg	5,42 kg	5,75 kg
Bridle length Gesamt Leinenlänge	286,9 m	315,8 m	345,5 m	376,2 m	434,6 m
Line diameter Leinendurchmesser	2,2 / 1,8 / 1,65 / 1,3 / 1,2 / 1,1 / 0,7mm	2,2 / 1,8 / 1,65 / 1,3 / 1,2 / 1,1 / 0,7mm	2,2 / 1,8 / 1,65 / 1,3 / 1,2 / 1,1 / 0,7mm	2,2 / 1,8 / 1,65 / 1,3 / 1,2 / 1,1 / 0,7mm	2,2 / 1,8 / 1,65 / 1,3 / 1,2 / 1,1 / 0,7mm
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
Certification Zulassung	No Certification Keine 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	Tested and Trimmed by U-Turn Acro- Team



COLOR 01



COLOR 02



COLOR 03

DESIGNED BY



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