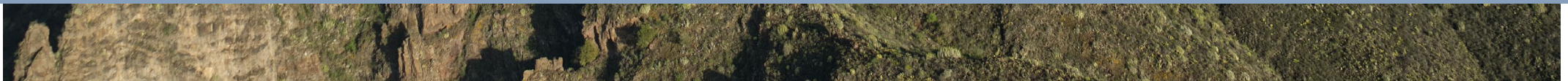




TAU DLS

Product presentation

SPORTS-CLASS RACER





TAU DLS

Next-Level Performance

With the TAU DLS, we are expanding our range with a performance-oriented high-end EN C two-liner for ambitious cross-country and competition pilots.

Since 1988, the names of our paragliders have been arranged in ascending order according to the Greek alphabet. The letter TAU lies between SIGMA and OMEGA, which is exactly how our new high-C model is positioned.

The TAU DLS combines maximum performance with exceptionally precise handling and high efficiency. It was developed with a clear objective: to exploit the performance potential of the class while offering a direct, sporty flying experience.

EN/LTF C
SPORT

Σ

SIGMA DLS
Ambitious Cross Country

EN/LTF C
SPORT RACER

T

TAU DLS
Next-Level Performance

EN/LTF D
COMPETITION

Ω

OMEGA ULS
Challenge yourself



TAU DLS

Next-Level Performance



PERFORMANCE



PRECISION



HIGH-TECH



TAU DLS

Quick Facts

- **High-end EN C two-liner** with maximum performance potential across the entire speed range.
- **New handling benchmark** in its class in terms of **precision and directness**.
- **Perfect fit assured**, with six sizes and seamless weight ranges.
- **DLS construction** with elastic nitinol wires and Dominico D10 lower sail for **minimal weight and pack volume**.
- **Competition-ready sports-class racer** for SRS comps.





ADVANCE

Pioneering spirit and Swiss precision
Our story

Enable our ideas to fly, that's what we do. For more than 30 years, ADVANCE have kept the needs and wishes of our pilots at the forefront. With Swiss precision we refine model after model. Highest quality and absolute reliability are our top priorities, in the air and in our customer service. So from pioneers we have become perfectionists, and a leading worldwide comprehensive service provider.





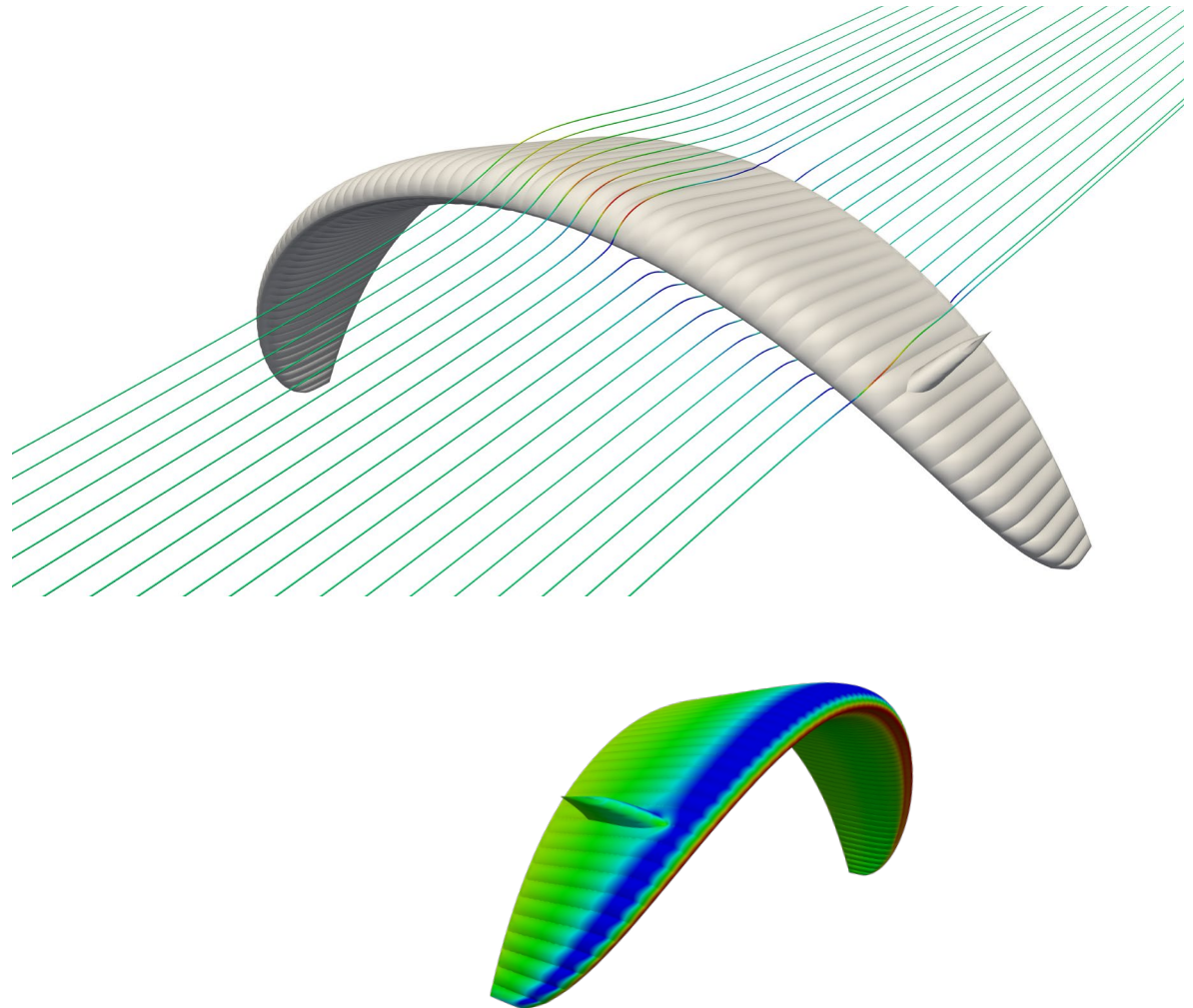
TAU DLS

Maximum Performance

AEROFOIL ENGINEERING PERFECTION

Complex numerical analyses and CFD* simulations are at the heart of the TAU DLS. Key profile parameters were simulated and optimised across the entire angle of attack. The finely tuned profile delivers very balanced pitch behaviour - the basis for maximum performance across the entire polar curve and fatigue-free cross-country flying.

*Computational Fluid Dynamics





TAU DLS

Developer's Note



"FOR YEARS, I HAVE BEEN CONSISTENTLY PERFECTING OUR CFD ANALYSES. THE TAU DLS INCORPORATES EVERYTHING THAT OUR OWN SOFTWARE CURRENTLY OFFERS IN TERMS OF PROFILE SELECTION AND PERFORMANCE OPTIMISATION."

CHRISTIAN PROSCHEK

Aeronautical Engineer, ADVANCE Lead Designer

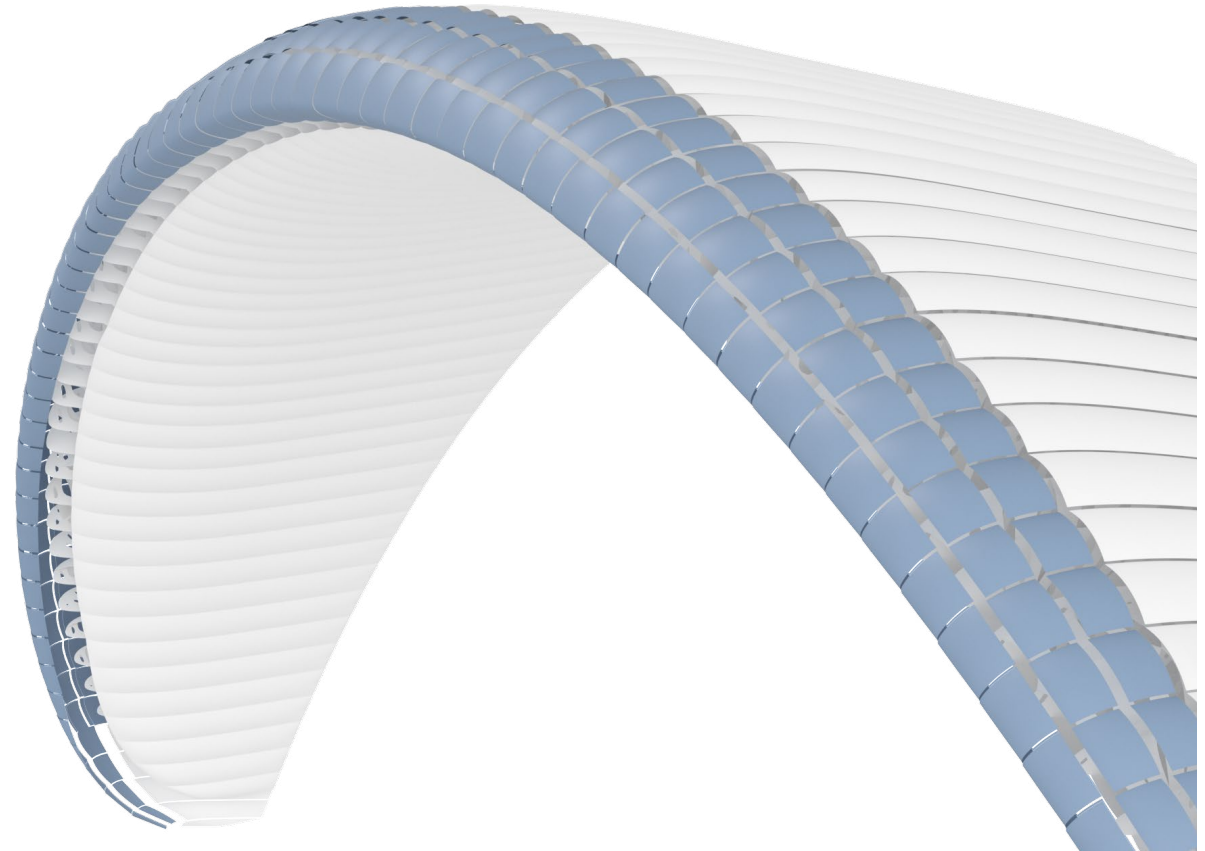


TAU DLS

Maximum Performance

MAXIMUM PROFILE CONSISTENCY

When shape and tension work together perfectly, the result is more than just a homogeneous canopy. The finely tuned 3x3D shaping and precisely controlled tension curves combine with the precise ADVANCE workmanship to create an exceptionally wrinkle-free surface. The high profile consistency across the entire speed range forms the basis for maximum aerodynamic efficiency.



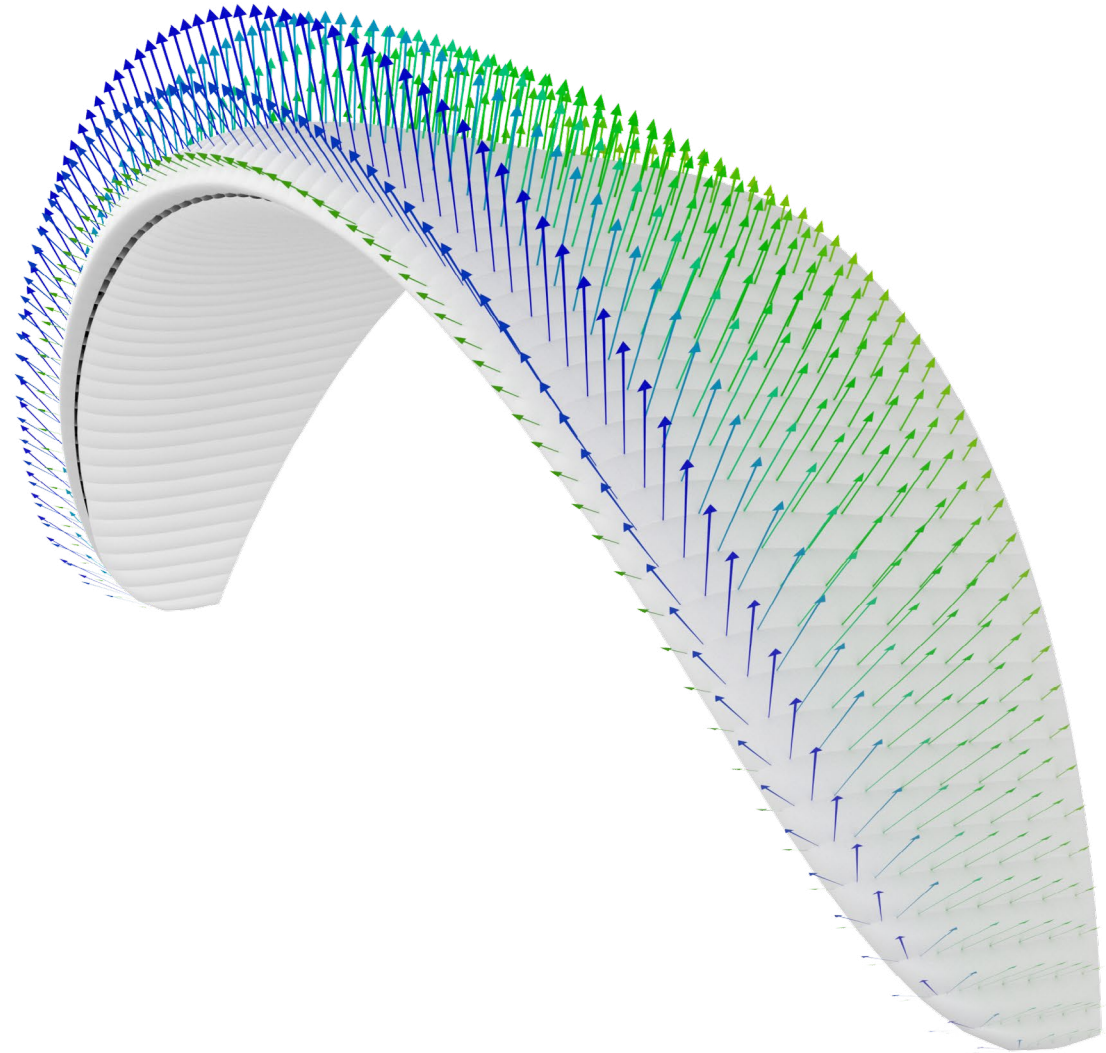


TAU DLS

Handling Benchmark

PRECISION IN EVERY TURN

The TAU DLS sets new standards in precision and directness. The key to this is a newly designed aerodynamic twist combined with an optimised pressure point position along the span, which is finely tuned across the entire angle of attack range. The steering feel is sharp, direct and sporty. This enables precise banking control to stay centred in the thermal core.





TAU DLS

Developer's Note

"THE BIGGEST STRENGTH OF THE TAU DLS IS ITS PERFECT BALANCE: PRECISE, PLAYFUL HANDLING AND EXACT RE-CENTRING IN EVERY CROSSWIND SITUATION. THANKS TO INTUITIVE PITCH CONTROL, IT REMAINS EFFICIENT AND CONFIDENCE-INSPIRING AT ALL TIMES, EVEN WHEN ACCELERATING."



TORSTEN SIEGEL

Ex. European Champion, ADVANCE Designer and Test Pilot



TAU DLS

Pilot requirements

As a two-liner in the top segment of the EN C class, the TAU DLS is reserved exclusively for very experienced, performance-oriented cross-country and competition pilots. Several years of flying experience, regular practice with at least 100 flying hours per year and extensive experience on at least one sport class glider are required. The TAU DLS is not suitable as a transition glider to the C class.

High-C class gliders generally react dynamically to turbulence and pilot errors and require an active flying style, precise control technique and sound glider handling and SIV skills. Only with the appropriate experience can the full performance potential of the TAU DLS be safely exploited.



DLS

DURABLE LIGHTWEIGHT STRUCTURE

DLS COMBINES STRUCTURAL INNOVATION WITH A UNIQUE COMBINATION OF FABRICS. THIS FORWARD-LOOKING DEVELOPMENT PHILOSOPHY INCLUDES A WHOLE HOST OF SMALL BUT EFFECTIVE DECISIONS, WHICH TOGETHER RESULT IN SIGNIFICANT WEIGHT REDUCTION. ROBUSTNESS AND DURABILITY REMAIN AT THE USUAL HIGH LEVEL.

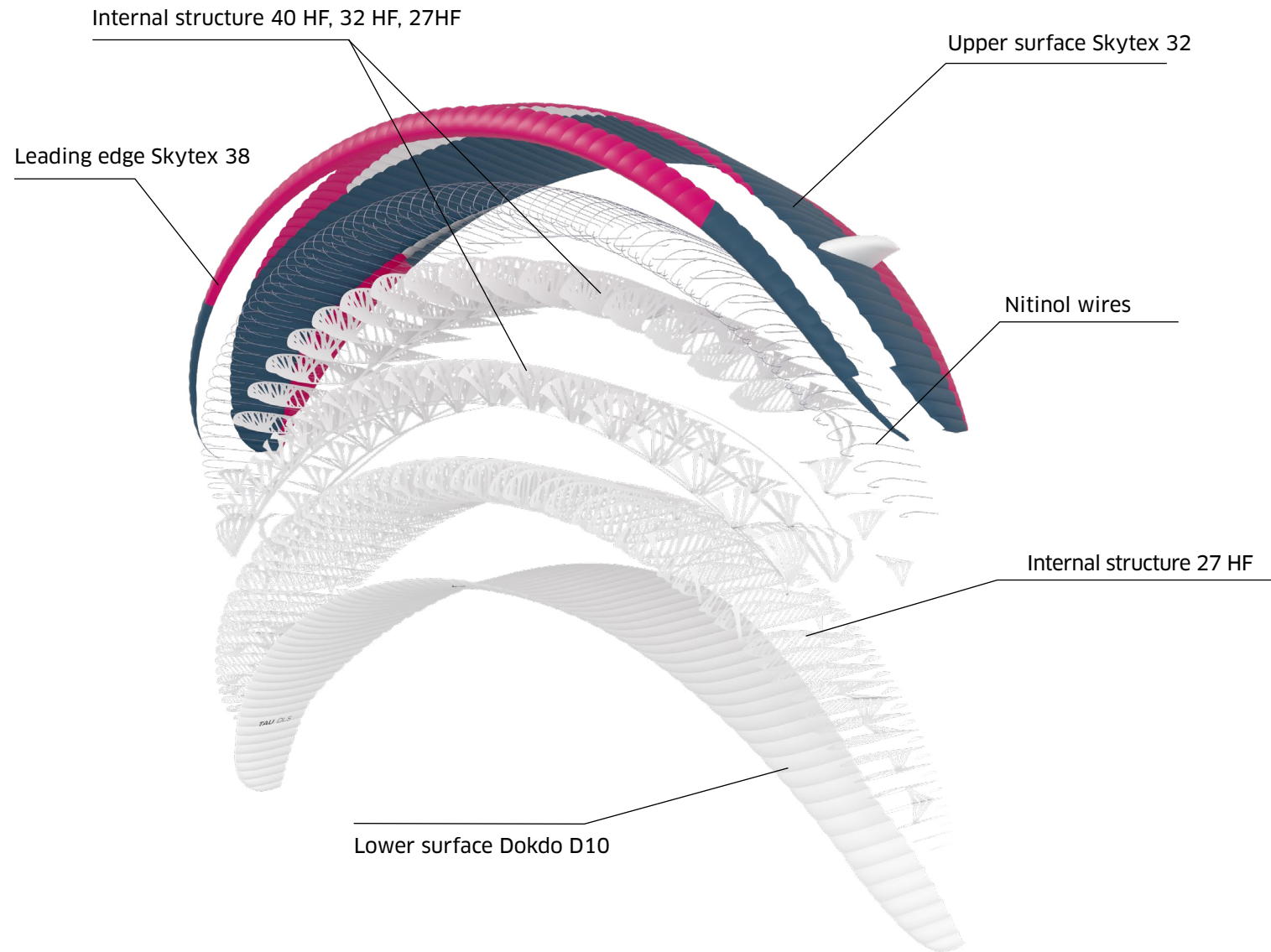


TAU DLS

DLS Philosophy

A SMART MIXTURE OF FABRICS

Highly stressed components such as the leading edge, wing upper surface and more stressed profiles are made of a robust, low-stretch material mix. The Dominico Dokdo D10 is now used on the lower surface, minimising weight and pack volume. The super-elastic nitinol wires are extremely kink-resistant and further reduce the volume.



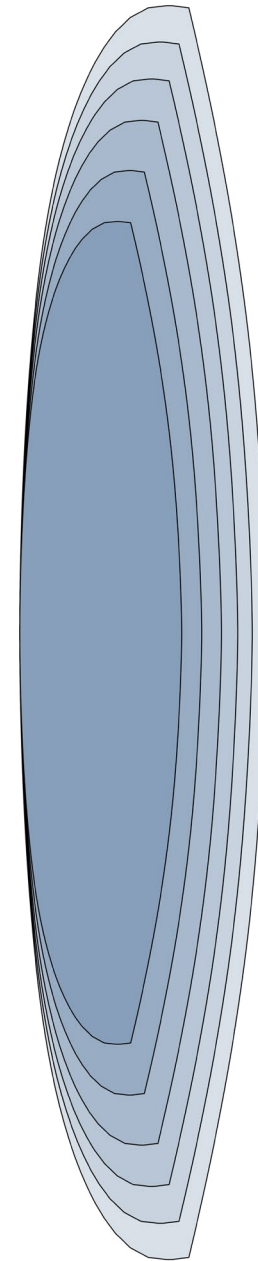


TAU DLS

Features

SIX SIZES

Sweet spot guaranteed: with six optimally graded sizes and seamlessly interlocking weight ranges, the TAU DLS offers the ideal wing loading for every pilot weight. This ensures consistent and balanced performance and flying characteristics across all sizes.





TAU DLS

Features

EFFICIENT PITCH-CONTROL SYSTEM

The TAU DLS features modern, clearly designed risers. Pitch control with the B-risers remains efficient even during accelerated flight and can be precisely adjusted at any time. The new B-handles perfectly complement the risers.





TAU DLS

Features

STATE-OF-THE-ART EDELRID PRO DRY LINES

TAU DLS lines are extremely stable in length and have an above-average ultimate strength, even after use.

The colour-differentiated Pro Dry lines demonstrate 60% higher water repellency.







TAU DLS Competition

TAU DLS X SRS

ADVANCE is a sponsor of the SRS Racing Series 2026. With the TAU DLS, we are bringing sports-class performance to the starting line. For the current season, we are looking for ambitious SRS athletes who want to compete with the TAU DLS and set new standards in sports-class racing together with us.





TAU DLS

Developer's Note



"I AM LOOKING FORWARD TO BRINGING MY COMPETITION EXPERIENCE TO THE SPORTS-CLASS WITH THE TAU DLS AND EXPLOITING THE FULL POTENTIAL OF THIS WING IN SRS RACES."

IDRIS BIRCH

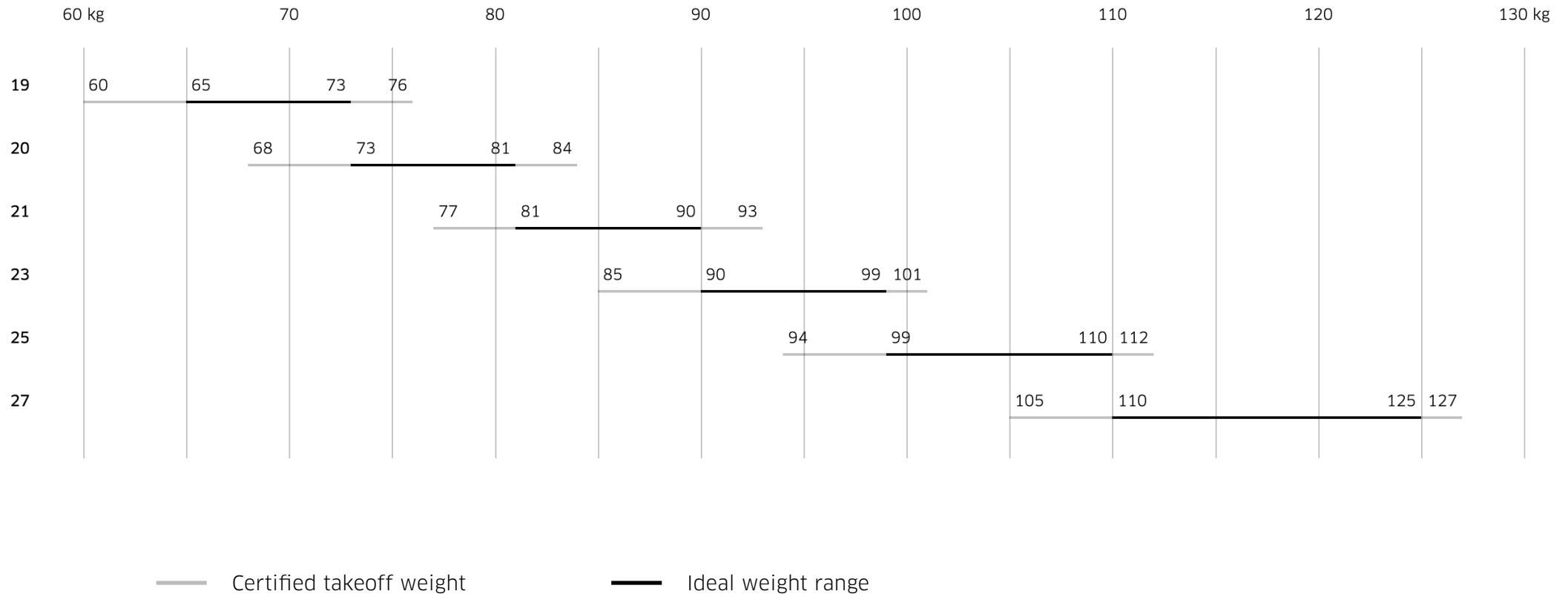
Competition and ADVANCE Test Pilot



TAU DLS

Seamless Weight Ranges

The Seamless Weight Ranges of the TAU DLS make a clear transition from one wing size to the next, so that any pilot suits only one ideal takeoff weight range. In this way, the TAU DLS guarantees the optimum balance of useful airspeed and climb performance in all flying conditions.





TAU DLS

Scope of delivery



TUBE BAG



REPAIR KIT



MINI WINDSOCK



GETTING STARTED

Options



LIGHTPACK DLS



TAU DLS

Colours



Indigo



Orange



TAU DLS

Technical data

TAU DLS		19	20	21	23	25	27
Flat surface	m ²	19.10	20.10	21.50	22.80	24.30	26.55
Projected surface	m ²	16.30	17.15	18.35	19.46	20.74	22.66
Certified takeoff weight	kg	60-76	68-84	77-93	85-101	94-112	105-127
Ideal weight range	kg	65-73	73-81	81-90	90-99	99-110	110-125
Weight	kg	4.00	4.20	4.40	4.60	5.00	5.40
Flat span	m	11.15	11.43	11.83	12.18	12.57	13.14
Projected span	m	8.97	9.20	9.52	9.80	10.12	10.58
Aspect ratio		6.5	6.5	6.5	6.5	6.5	6.5
Projected aspect ratio		4.94	4.94	4.94	4.94	4.94	4.94
Max. chord	m	2.18	2.23	2.31	2.38	2.45	2.56
Number of cells		73	73	73	73	73	73
Certification		EN/LTF C	EN/LTF C	EN/LTF C	EN/LTF C	EN/LTF C	EN/LTF C



TAU DLS

Materials

Leading edge	Skytex 38 universal	Main lines	A-8001-470, -340, -230, -190, -135, -130, -050
Upper surface	Skytex 32 universal	Gallery lines	A-8001-280, -190, -130, -090, -070, -050, -040, A-9200-035
Lower surface	DOKDO 10	Brake lines	A-8001-190,-050, -040, A-9200-035
Tension tapes	Skytex 40 hard finish	Steering lines	A-8001-190, A-7850-240
Profiles	Skytex 32 hard finish Skytex 27 hard finish	Stabilo	PPSLS 125
Unsuspected profiles	Skytex 27 hard finish	Risers	PES / Technora 12 mm
Diagonals	Skytex 40 hard finish Skytex 32 hard finish Skytex 27 hard finish	Quick links	MR Delta 3.5mm / S12



advance.swiss