



WINGLET of the LAK-19 and LAK-17A

New winglet is designed by **Krzysztof Kubrynski, PhD**

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There are his technical describing of new winglet:

Induced drag should be reduced by a factor ΔK_v of an order 0.08-0.09 and should improve final sailplane performance significantly (especially circling/climb). Pressure distribution on a final geometry is correct except a section just near the end of existing wing, where rapid change of a chord have to occur. As I know turbulator is located at about 80% of a chord on lower surface of the wing. Similar solution should be used on the lower surface of the winglet up to about the end of the curved part of the winglet. Nearly vertical surface of the winglet should have entirely laminar flow up to the trailing edge.

This winglet fits to **LAK-19** and **LAK-17A**.