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**GenesisFlyers** · Pertains to the high performance Genesis sailplane. Relates to matters of interest to pilots and owners.

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Members: 80

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Founded: Apr 2, 1999

Language: English



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Thu Jul 22, 2010 7:31 pm

The Genesis drawing is pretty accurate except for the airfoil description. The root rib shown is incorrect as it is a totally different airfoil.

**"Jim Marske" <jim@...>**[marskej](#)

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It is 15.88% thick and not 14.35%. It is not a laminar profile but a turbulent section with its maximum thickness at 33.2% chord.

The wing has 3.0 degrees of geometric washout but only 1.9 degrees of aerodynamic washout.

Stations are inches measured out from aircraft centerline.

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The profile from Station 80 to 200 is the same ( 74s ) profile.

Station	Max thickness	at	% chord
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14	15.88%		33.2%
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40	14.77%		36.8%
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80      14.52%      36.8%

200      14.52%      36.8%

295      13.05%      37.3%

If you don't have a copy of Martin Simons book, "Sailplanes", it is well worth the money. In fact, get all three.

And if you are interested in aerodynamics you must get his book on "Model Aircraft Aerodynamics".

Don't let the word 'model' fool you as this is the best book on full sized sailplane aerodynamics I have ever seen.

It is thorough and easy to understand, written by a long time sailplane pilot.


Jim Marske

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<b>Re: Genesis 2, 3-view drawing?</b> The Genesis drawing is pretty accurate except for the airfoil description. The root rib shown is incorrect as it is a totally different airfoil. It is 15.88%...	Jim Marske <a href="#">marskejj</a> 🙄 ✉	Jul 22, 2010 7:40 pm
[img alt="reply icon"] <b>Re: Genesis 2, 3-view drawing?</b> THANK YOU!!!!!! On Thu, 22 Jul 2010 19:31:52 -0000, Jim Marske <jim@...> ... -- Using Opera's revolutionary e-mail client:...	Figaro <a href="#">voltairesquill</a> 🙄 ✉	Jul 22, 2010 7:58 pm
[img alt="reply icon"] <b>Re: Genesis 2, 3-view drawing?</b> Hello Jim, what is state of Pioneer III ? Will it fly soon ?...	Jirka <a href="#">simflyingkid</a> 🙄 ✉	Aug 9, 2010 7:31 pm
[img alt="reply icon"] <b>Re: [Genesis Flyers] Re: Genesis 2, 3-view drawing?</b> Robert Mudd stopped by yesterday and asked the same question. We went to the airport and Robert inspected the P-3 and took photos. As to when it will fly?...	Jim Marske <a href="#">marskejj</a> 🙄 ✉	Aug 9, 2010 11:51 pm

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 **[Genesis Flyers] ad: When will Pioneer III fly ?**  
Hello Jim, thank You very much for kind response. I want to  
thank You for Your contribution to sailplanes and flying  
wings. We will impatiently wait for Robert...

Jirka  
[simflyingkid](#)  

Aug 10, 2010  
5:59 pm

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