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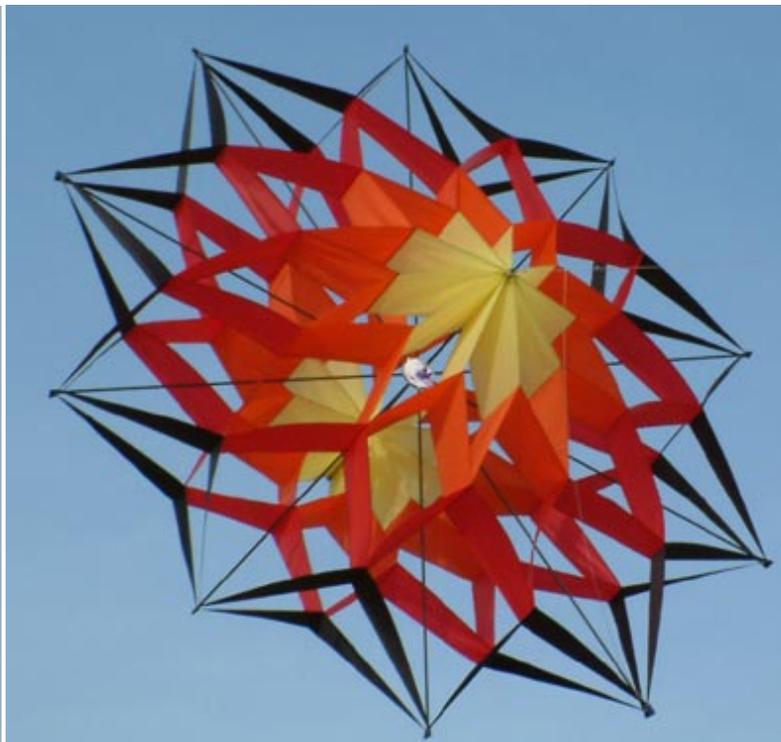
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Author	Message
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003                      Posts: 1791                      Location: Dieppe, NB,                      Canada</p>	<p><input type="checkbox"/> Posted: Sat Mar 06, 2004 11:10 pm    Post subject: Double star plan</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Anyone knows where I can find a plan to built a double star kite like Ferruh Baysu?</p>



Thanks,  
Smarties 😊

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
Posts: 714  
Location: USA California  
Tracy - 50 miles to the  
right of San Francisco

Posted: Sat Mar 06, 2004 11:33 pm    Post subject:

[QUOTE](#)

Smarties -

I believe it is the same as the [Snowflake](#), except the pieces are hollow squares instead of solid squares. I think it was talked about in one of the Squareflake threads, a couple months ago.

"The wind is the perfect reminder of God.  
The only way we can prove it exists is by observing the things it affects.  
That's why I believe in the wind, too."

Dennis  
Baha'i Faith

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**kiteguy**  
Kitebuilder of the Year  
2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near  
Kansas City

Posted: Sun Mar 07, 2004 12:01 am Post subject:

[QUOTE](#)

Almost, but not quite. The one that was discussed looks much more like a Snowflake than this one does. I am not sure but I think plans were in the Drachen magazine a while back. I do not have access to the Drachen magazine, nor could I read it if I did have access.

However, I can understand most kite plans, no matter what the language.



Dave Ellis  
Kites + Kids = Education

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**EiSvIn**



Joined: 14 Nov 2003  
Posts: 40  
Location: Oslo, Norway

Posted: Sun Mar 07, 2004 6:11 pm Post subject:

[QUOTE](#)

It is not a snowflake, it looks a lot more slimmer and using spars in cross instead of the circular spar on the outside as Snowflake uses.

But what if I make a slim and hollow Snowflake, would it work? What to think of to keep flying angle, bridling an such? Any thoughts?

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**rbojarski**  
Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn,  
Washington

Posted: Sun Mar 07, 2004 8:26 pm Post subject:

[QUOTE](#)

Flying Wings (maker of Beetle stunt kite) just brought out a single line kite called the Lotus which is very similar. You can view it by going to the Into the Wind site and doing a search for lotus.

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**Don Lord**  
Kite Builder II



Joined: 22 Nov 2003  
Posts: 181  
Location: CANADA BC  
VANCOUVER

Posted: Sun Mar 07, 2004 9:56 pm Post subject:

QUOTE

**kiteguy wrote:**

Almost, but not quite. The one that was discussed looks much more like a Snowflake than this one does. I am not sure but I think plans were in the Drachen magazine a while back. I do not have access to the Drachen magazine, nor could I read it if I did have access.

However, I can understand most kite plans, no matter what the language.



I have the two most recent issues of the Drachen magazine, Hoch Hinaus. I have found a photo of this kite heading an article reporting on the 2003 St-Goar kite festival but I have not seen any plans in these issues, or mentioned in the magazine's archives.

Cheers

Don Lord

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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2193  
Location: USA PA  
ALLENTOWN

Posted: Sun Mar 07, 2004 10:03 pm Post subject:

QUOTE

Why not ask the man who built it? He is a member of this forum...

Spectre's profile is here:

<http://www.kitebuilder.com/forums/profile.php?mode=viewprofile&u=57>

-Steve



Steve Ferrel

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Measure once, buy twice! 

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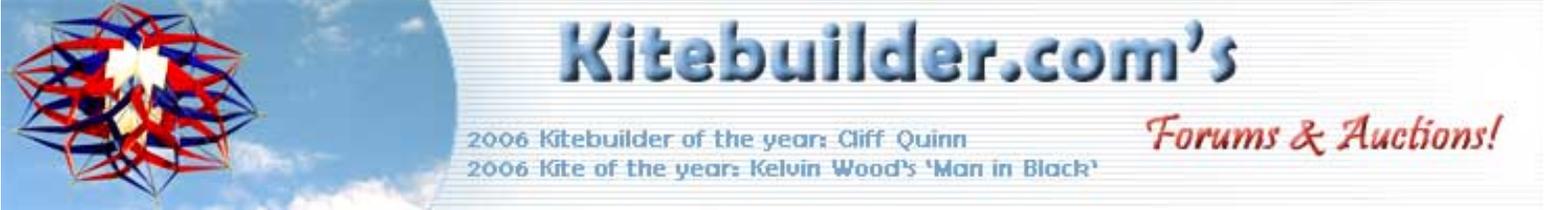
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<p><b>knotronda</b> Kite Builder II ★★★★</p>  <p>Joined: 22 Jan 2004 Posts: 804 Location: Lincoln City, OR USA</p>	<p>Posted: Mon Mar 08, 2004 6:15 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Spectre is a mystery man. He did not put his town or country in his profile. Is he from Germany? I did notice that when I was at the Berck Sur Mer festival a few years ago that the Germans liked to build the big versions of various kites. The proportions were impressive.</p> <p>knot(ty)ronda</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Gary</b> Kite Builder II ★★★★</p>  <p>Joined: 26 Nov 2003 Posts: 328 Location: Rhode Island, USA</p>	<p>Posted: Mon Mar 08, 2004 1:33 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p><b>EiSvIn wrote:</b></p> <p>But what if I make a slim and hollow Snowflake, would it work? What to think of to keep flying angle, bridling an such? Any thoughts?</p> <p>The only 'issue' I have had with making high aspect (<i>skinny</i>) Facet Kites (<i>Hi Scott</i>) is that the shorter spine length has less 'authority' over the corners and the kites like to distort out of shape. The cure was to either bend metal tubing for the outside corners or use dihedrals.</p> <hr/> <p>good heavens; Gary E</p>
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<p><b>Don Lord</b> Kite Builder II ★★★★</p>  <p>Joined: 22 Nov 2003 Posts: 181 Location: CANADA BC VANCOUVER</p>	<p>Posted: Mon Mar 08, 2004 3:43 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p><b>knotronda wrote:</b></p> <p>Spectre is a mystery man. He did not put his town or country in his profile. Is he from Germany? I did notice that when I was at the Berck Sur Mer festival a few years ago that the Germans liked to build the big versions of various kites. The proportions were impressive.</p> <p>knot(ty)ronda</p> <p>Ronda; by his name and what I read on his web site, I would say our mystery man is from Turkey.</p> <hr/> <p>Don Lord</p>
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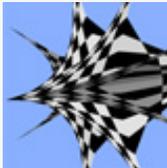




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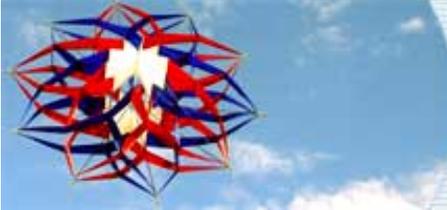
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Viewing profile :: spectre

Avatar	All about spectre
	<p>Joined: <b>11 Nov 2003</b></p> <p>Total posts: <b>114</b>  <small>[0.21% of total / 0.09 posts per day]</small>  <a href="#">Find all posts by spectre</a></p> <p>Location: <b>Ankara, Turkey</b></p> <p>Website: <a href="http://www.ucurtma.org">http://www.ucurtma.org</a></p> <p>Occupation:</p> <p>Interests: <b>kites, pets</b></p>
Contact spectre	
E-mail address: <a href="#">E-MAIL</a>	
Private Message: <a href="#">PM ME!</a>	
MSN Messenger: <a href="mailto:ferruh@ucurtma.org">ferruh@ucurtma.org</a>	
Yahoo Messenger:	
AIM Address:	
ICQ Number:	

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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

*Forums & Auctions!*

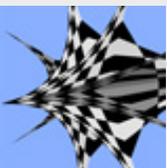
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Author	Message
<p><b>Progcraft</b> Kitebuilder of the Year 2004</p>  <p>Joined: 29 Sep 2003 Posts: 4023 Location: Montreal, QC, Canada</p>	<p><input type="checkbox"/> Posted: Mon Mar 08, 2004 3:59 pm    Post subject:</p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>Don Lord wrote:</b></p> <p>Ronda; by his name and what I read on his web site, I would say our mystery man is from Turkey.</p> </div> <p>I would say your right Don. Spectre's 'about me' page on his web site states:</p> <p>"My name is Ferruh Baysu. First, sorry about my English. I am a kite flier from Turkey. " He's got some neat kites. I like that Heksebeest kite. It looks to be based on a Conyne kind of plan.</p> <p>T.</p> <hr style="width: 20%; margin-left: 0;"/> <p>There is no box</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Mon Mar 08, 2004 6:47 pm    Post subject:</p> <p>Hi, Everyone</p> <p>I took an e-mail which includes the link to this subject from Eirik a kiter from Norway.</p> <p>I draw the doublestar using Autocad. But I don't have a detailed plan but I'll make one. Now I am out of my home. I'll turn back in a week. When I turn back I'll prepare a pdetailed plan as soon as possible.</p> <p>If anyone wants drawings I can send them. But you must wait until I am going back to home. Just tell me you can open Autocad files or not. If not tell me the format which you want.</p> <p>And also I updated my profile(The e-mail adress was wrong).</p> <p>Best Winds, Ferruh Baysu <a href="mailto:fbaysu@ucurtma.org">fbaysu@ucurtma.org</a></p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>   <a href="#">WWW</a>  <a href="#">MSNM</a> </p>

**knotronda**  
 Kite Builder II  
  
 Joined: 22 Jan 2004  
 Posts: 804  
 Location: Lincoln City, OR USA

Posted: Mon Mar 08, 2004 10:58 pm Post subject: QUOTE

I guess it would help if I had gone to his web site 😞 . Oh well, looking forward to seeing more of 'Spectre'.

knot(ty)ronda

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**Gary**  
 Kite Builder II  
  
 Joined: 26 Nov 2003  
 Posts: 328  
 Location: Rhode Island, USA

Posted: Tue Mar 09, 2004 11:14 am Post subject: QUOTE

**knotronda wrote:**  
 looking forward to seeing more of 'Spectre'.

Amen!

Just a couple of quick thoughts before I go back to making Circoflex bridles for MAKR this weekend.

Since the early posts in this thread referred to Spectre's kite as a type of Snowflake Facet, I just wanted to toss in to the discussion that Snowflakes and Facets are tensegrity construction, the tensioning frame is on the outside of the kite. Spectre's kite is framed internally. There is a Spine or Longeron, in the center of which is a tinker toy doughnut for the Spreaders.

I think that when the plans are available, most of the fabric panels will be slightly trapezoidal rectangles.

---

good heavens;  
 Gary E

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**smarties**  
  
 Joined: 05 Nov 2003  
 Posts: 1791  
 Location: Dieppe, NB, Canada

Posted: Tue Mar 09, 2004 1:14 pm Post subject: QUOTE  
EDIT

**Spectre wrote:**  
 If anyone wants drawings I can send them. But you must wait until I am going back to home. Just tell me you can open Autocad files or not. If not tell me the format which you want.

Spectre, looks like this is your first post in this forum. Thanks for taking the time to give your feedback. Is this kite your original design?

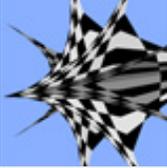
Can you make the drawings in PDF format or maybe in JPEG or BMP?

Thanks,  
 Smarties 😊

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Tue Mar 09, 2004 5:50 pm Post subject: [QUOTE](#)

Hi, Smartie

It is not my own design. I saw this kite in a festival in France and. Then I draw a three dimensional drawing of this kite in AutoCAD. And yes, I can do PDF or JPG.

The most important think is the shape of the panels. I have drawings for 3(10feet) meter 10 side and 1.5-2meter 8 sides.

Best Winds,  
Ferruh Baysu  
fbaysu@ucurtma.org

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Tue Mar 09, 2004 9:28 pm Post subject: [QUOTE](#)

hi spectre !

what size of spars are you using in the 3 m and what size are you using in the smaller one??? and what is the diameter of the center piece??? and center spar for the 3 meter?

thanks ! 😊

---

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**wdrwilson**



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Tue Mar 09, 2004 10:16 pm Post subject: [QUOTE](#)

Wow this is great!!

I would love to get a copy of the plan in PDF or Autocad format...

--Bill

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
Posts: 714  
Location: USA California  
Tracy - 50 miles to the right of San Francisco

Posted: Tue Mar 09, 2004 10:40 pm Post subject: [QUOTE](#)

Me too! Autocad format would be fine. jpg would work, even PDF! Whatever you feel like sharing, I'll find a way to use it. But please, put some dimensions on the drawing. Many conversion programs seem to ignore the "scale" of a drawing, and will proportion the drawing down to fit in the "native" format of the converter program. Without dimensions, it's impossible to get the drawing back to the proper size.

---

"The wind is the perfect reminder of God.  
The only way we can prove it exists is by observing the things it affects.  
That's why I believe in the wind, too."  
Dennis  
Baha'i Faith

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**Gary**  
 Kite Builder II  
  
 Joined: 26 Nov 2003  
 Posts: 328  
 Location: Rhode Island, USA

Posted: Wed Mar 10, 2004 1:20 pm Post subject:

[QUOTE](#)

I'd love to get a plan in PDF if possible.

good heavens;  
Gary E

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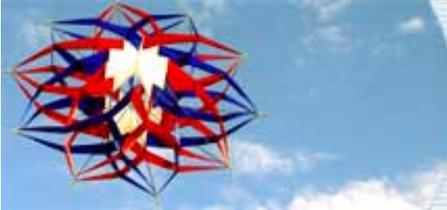
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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Wed Mar 10, 2004 1:31 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>If we are voting, I would vote for PDF, too. 😊</p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Spence602</b></p>  <p>Joined: 16 Sep 2003 Posts: 740 Location: USA TX Houston</p>	<p><input type="checkbox"/> Posted: Wed Mar 10, 2004 3:26 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I feel a 'poll' coming on!</p> <p>If I was to vote, I'd go for:</p> <p>.JPG/.GIF/.BMP/.TIF .VSD .DXF/.DWG .PS/.EPS .VML .PCX</p> <p>In CAD, please put it all on 1 layer because sometimes other apps don't import all the layers cleanly.</p> <p>Dimensions are a must! and dementions are optional... 😊</p> <p>Spectre: Stan has Corel, and I have Visio, and between us we can probably convert it to any format that one would want. (Although I can't offer Stan's time and effort per se...)</p> <hr/> <p>Spence <a href="http://www.kiteshark.org">www.kiteshark.org</a></p>

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<p><b>CJQ</b>                  Grand Champion, Kitebuilder of the Year 2006                    Joined: 27 Dec 2003                  Posts: 1702                  Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed Mar 10, 2004 5:43 pm    Post subject: star plans <a href="#">QUOTE</a></p> <hr/> <p>ADT format would be ok I guess ?</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a></p>
<p><b>KiteSquid</b>                  Master Kite Builder                    Joined: 29 Aug 2003                  Posts: 6248                  Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Wed Mar 10, 2004 5:49 pm    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Almost any format</p> <p>BTW I have AutoCAD 2004 on my PC....</p> <hr/> <p>VR/                  KiteSquid                  AKA TakoIka                  AKA Harold                  King George VA</p> <p>P.S. Yet another post by the Squid..... 😞 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a></p>
<p><b>knotronda</b>                  Kite Builder II                    Joined: 22 Jan 2004                  Posts: 804                  Location: Lincoln City, OR USA</p>	<p><input type="checkbox"/> Posted: Thu Mar 11, 2004 5:57 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Gary,</p> <p>You have such a head for knowing! (Moonstruck)</p> <p>hahaha</p> <p>knot(ty)ronda</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p>Posted: Thu Mar 11, 2004 9:42 am Post subject: <span style="float: right;">QUOTE EDIT</span></p> <hr/> <p><b>Spence602 wrote:</b></p> <p>Spectre: Stan has Corel, and I have Visio, and between us we can probably convert it to any format that one would want. (Although I can't offer Stan's time and effort per se...)</p> <p>I have Visio too. I didn't know that I could open Autocad drawings with it. Thanks Spence602 for the tip!</p> <p>Smarties 😊</p>
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<p><b>Gary</b> Kite Builder II</p>  <p>Joined: 26 Nov 2003 Posts: 328 Location: Rhode Island, USA</p>	<p>Posted: Mon Mar 15, 2004 11:49 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p><b>knotronda wrote:</b></p> <p>Gary, You have such a head for knowing! (Moonstruck) hahaha knot(ty)ronda</p> <p>Oh, is that what that is . . . Hmm. 😊</p> <hr/> <p>good heavens; Gary E</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>knotronda</b> Kite Builder II</p>  <p>Joined: 22 Jan 2004 Posts: 804 Location: Lincoln City, OR USA</p>	<p>Posted: Wed Mar 17, 2004 4:03 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Please tell me you have seen the movie. I hope you didn't think I was implying anything. I have a twisted sense of humor but sometimes the rest of the world is doing the rumba.</p> <p>knot(ty)ronda</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p>Posted: Wed Mar 17, 2004 7:06 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Dance with me Rhonda!!!!!! 😊</p> <p>(rumba beast plays)</p> <p>Dennis</p>
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**Gary**  
Kite Builder II



Joined: 26 Nov 2003  
Posts: 328  
Location: Rhode Island, USA

Posted: Wed Mar 17, 2004 12:09 pm Post subject:

[QUOTE](#)

**knotronda wrote:**

Please tell me you have seen the movie. knot(ty)ronda

Ronda, you're the bestest.

Despite seeing the movie, it didn't really 'click'.

You're just way ahead of me. 😊

At OKR, Ronda had half the room doing dialogs from every movie we could think of. 😊

good heavens;  
Gary E

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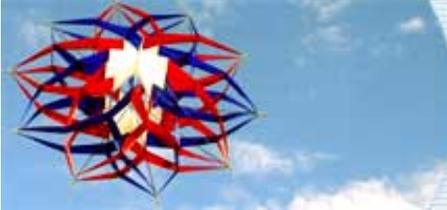
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Wed Mar 17, 2004 11:20 pm Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <hr/> <p>I was standing in the cafeteria with Kiteguy at MAKR waiting for the auction to start and I watched as a gentleman starts unpacking and assembling a star kite. As he was assembling it I noticed tthe <b>center hub and radial spars</b> 😊 Sure enough it was similar to the one that started this whole line of discussion. He had made the hub of <b>Carbon</b> fiber tubes epoxied together. I have a few photos at home I will post, but none of the center hub 😞 I think Kiteguy got some photos too, but he is at Fort Wordon right now 🌐</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p> <p><a href="#">E-MAIL</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Thu Mar 18, 2004 12:16 am Post subject: star at makr grant L</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <hr/> <p>GRANT did you have a conversation with the gentleman unpacking the double star ? How tall is that thing ? Wonder why he didnt use a tinker toy fitting for the hub ?</p> <p>Keep us posted .</p> <p>CJQ</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p> <p><a href="#">E-MAIL</a></p>

**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2193  
Location: USA PA  
ALLENTOWN

Posted: Thu Mar 18, 2004 1:19 am Post subject:

QUOTE

hmph..... epoxying several spars together to form the hub... I never thought of that. It would be big and bulky, but I guess it would work. I'd like to know if he ever had a glue failure on that fitting.

Do you know who the builder was?

**Steve Ferrel**  
**Kite Studio - Go Build a Kite!**  
Measure once, buy twice! 

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Thu Mar 18, 2004 1:36 am Post subject:

QUOTE

Kiteguy and I were both talking to him. I think he made the kite some years ago. I would guess that it was over three feet tall. Another interesting thing was that he had vertical spars halfway out between the center spine and the tips. When he put it together, it didn't look too taught, but then I saw where the other spars went. He didn't put them in because it was too much work for just having it hanging there. Here is the photo I have. I hope that Kiteguy has better ones that he can possit next week. 😊 The spar went right where the pink and the black meet. There were closed end pockets and he said that he would connect one side, put the middle spars in and then slide the top half over the middle spars before connecting it to the spreader spars. Like Steve said, I would expect the hub to be bulky, but it was fairly flat. 😊



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**Gary**  
Kite Builder II  
  
 Joined: 26 Nov 2003  
 Posts: 328  
 Location: Rhode Island, USA

Posted: Thu Mar 18, 2004 1:40 am Post subject: QUOTE

**stevef wrote:**  
 Do you know who the builder was?

He was in my Circoflex class.  
 On Sunday I got to see his pictures of some of the terrific kites he's made. He's made quite a few.  
 His name is Roy White and he is from Missouri.  
 He isn't online. I asked.

---

good heavens;  
 Gary E

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**stevef**  
Administrator  
  
 Joined: 27 Aug 2003  
 Posts: 2193  
 Location: USA PA  
 ALLENTOWN

Posted: Thu Mar 18, 2004 1:47 am Post subject: QUOTE

Ahhh.. Roy White! A very good Kite Studio customer... 😊

Yep. I just checked, he does not have an email address so I assume he doesnt get online.... 😞

---

**Steve Ferrel**  
**Kite Studio - Go Build a Kite!**  
 Measure once, buy twice! 🛠️

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**Grant L**  
Kite of the Year 2004  
  
 Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN  
 Indianapolis

Posted: Thu Mar 18, 2004 2:14 am Post subject: QUOTE

It didn't click in my mind that he was the one with the kite. I talked to him a bit because we had a mutual, model airplane buddy that had passed away. He is quite a model airplane builder too. He has several national record for rubber powered ornithopter, ( flap their wings to fly. No propeller.) His indoor record is 22 minutes and 44 seconds 😞 This is a model powered by **one rubber band**, ( given, it is a long one, ) that flies only by **flapping its wings**. Impressive.

I am still in contact with the mutual buddies widow and I will try to get Roy's address and get some more information if possible 😊

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**Grant L**  
Kite of the Year 2004  
  
 Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN  
 Indianapolis

Posted: Thu Mar 18, 2004 11:13 am Post subject: QUOTE

I was editing photos and found one with the double star in the background 😊 That is a double angle wing by Art Hass, ( I'm pretty sure 😞 ) in the foreground.



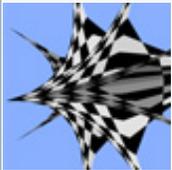
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**spectre**

Posted: Sat Mar 20, 2004 8:35 pm Post subject:

[QUOTE](#)



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Hi,

today I turned home. And try to make a detailed plan for Doublestar.

I tried to complete the plan all the day but not. Here is an uncompleted plan for Doublestar. But you can find the dimensions of the panels in several formats.

The original dimensions are in centimeters. I convert them also to inch.

And also I put A1 paper size PDF documents. If you find somewhere to print in A1, it will be better.

Here is the link.

<http://www.ucurtma.org/doublestar.html>

I hope I'll finish it in a few days. My English is not so good. And this one is my first detailed plan of a kite. So tell me what you want to see in a detailed plan and also my mistakes. So I can prepare a good Plan.

Best Winds,  
Ferruh Baysu

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**Mountain Man**

Kitebuilder of the Year 2003

Posted: Sun Mar 21, 2004 8:09 am Post subject:

[QUOTE](#)



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Thank you !!

that is a great help! I know you will be adding more in the near future ! now I have a better understanding of the kite ! that will be a impressive and interesting kite to build ! thanks again! what is the weight of your center fitting ??? looks like plywood and tube of some type ??

very good pics and drawing !! 😊

Looking foward to seeing the rest of your plans !

have a good day!

---

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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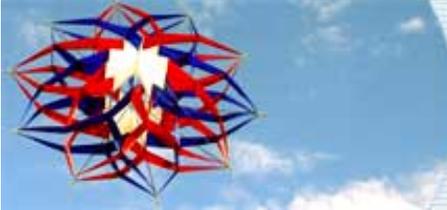
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Author	Message
<p><b>mhartzel</b></p>  <p>Joined: 09 Dec 2003 Posts: 907 Location: USA, Michigan, Fraser</p>	<p><input type="checkbox"/> Posted: Sun Mar 21, 2004 9:48 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>That is a pretty well laid out plan. I wish more builders would show a page of how to layout the fabric like you did. Granted, if you take the time to do it yourself, you can appreciate it more.</p> <p>Good looking plan</p> <hr/> <p>Mark Sand, Street or Sky... I love to fly.</p> 
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Sun Mar 21, 2004 11:29 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>the plans seem to be very good....I'm still not sure how to take a set of plans and convert them to a kite....</p> <p>I am interested in making one of these is there a step by step set of instruction to go with the plans?</p> <p>who all is going to take this on?</p> <p>Dennis</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p> <p><a href="#">MSNM</a></p>
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Sun Mar 21, 2004 12:50 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>WOW... Thank so much spectre!!!</p> <p>This is fantastic.. I have a feeling there will be a few of these flying in Dieppe soon...!!</p> <p>Cheers, Bill</p>

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<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p> <input type="checkbox"/> Posted: Sun Mar 21, 2004 4:20 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>5 ft spars x 10mm might be a problem ! could not see them at Stevf ....unless he as them and not in the catalog material is not too bad ! but the spars is were the cost is going to be ! 😞 but im looking into it ! yes should be a few this summer for sure .....I think you will be one of them ??? and me and .....??? 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p> <input type="checkbox"/> Posted: Sun Mar 21, 2004 5:01 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Hi, Mountain Man,</p> <p>You can try to 8 mm but then you can not flight in high winds. I flight up to 25 mph winds with 10 mm spars. There was no problem with the spars but my wooden center connector was cracked. Or you can do a smaller one. I have drawings for 8 point 2 and 1.5 meter dia. You can use 8mm/6mm spars.</p> <p>Best Winds, Ferruh Baysu</p>
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<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p> <input type="checkbox"/> Posted: Sun Mar 21, 2004 5:12 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>its ok I will find the right spars just have not look hard enough yet 😊</p> <p>I really like it ! and will build it peggy as already chosen her colors 😊</p> <p>thanks again for all the info on it !</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p> <input type="checkbox"/> Posted: Sun Mar 21, 2004 5:14 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>your center piece what is the diameter of it ? and how thick ???</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>

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<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Sun Mar 21, 2004 8:41 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I sew a few orders for Tinker-Toy parts coming... 😊</p> <p>Spectre,</p> <p>For example instead of 10 ft can you make a 5 ft just by dividing all measurements by 2?</p> <p>--Bill</p>
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<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Sun Mar 21, 2004 9:44 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>hey steve.....I want what ever MM gets!!!!.... just kidding....</p> <p>Dennis 😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">MSNM</a></p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 10:53 am Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Spectre,</p> <p>Thanks a lot for sharing your plan. This is excellent, well described and a lot of details. 😊</p> <p>Now I have to find a sewing machine and the time to built one.</p> <p>Smarties 😊</p> <p>Last edited by smarties on Mon Mar 22, 2004 1:30 pm; edited 1 time in total</p>
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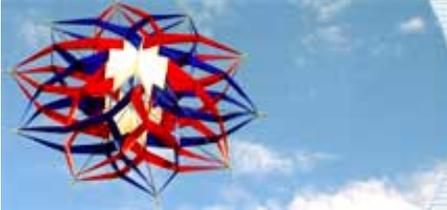
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2006 Kitebuilder of the year: Cliff Quinn  
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Author	Message
<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2193 Location: USA PA ALLENTOWN</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 1:05 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>5 ft spars are not a problem at all! I'll just order them. So..... 8mm, 10 mm..... or something in between? Tinkertoy is easy too.</p> <p>who wants them?</p> <p>This is a great kite and plan, thank you, Ferruh for taking the time and sharing it with us .</p> <p>-Steve</p> <hr/> <p><b>Steve Ferrel</b> <a href="#">Kite Studio - Go Build a Kite!</a> Measure once, buy twice! </p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 1:43 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Can you get us a price/ 11 spars 10mm 5 ft long .... so 13 spars would be better to have a couple of spares! and a tinker toy with a 10mm hole in the center and 10 holes of 10 mm around the edge</p> <p>thanks 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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wdrwilson



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Mon Mar 22, 2004 3:40 pm Post subject:

QUOTE

I second that request...  
Hey MM, we should combine orders on this one...  
  
--Bill

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Gary  
Kite Builder II



Joined: 26 Nov 2003  
Posts: 328  
Location: Rhode Island, USA

Posted: Mon Mar 22, 2004 4:20 pm Post subject:

QUOTE

stevef wrote:

who wants them?

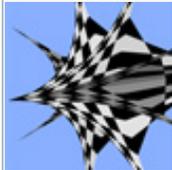
Put me down for 10 spars and a tinkertoy, please.  
If MM is gettting 10 mm, I'll take 10 mm.  
5 foot long. (whatever MM is getting)  
See what you started, Bernie? 😊

good heavens;  
Gary E

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spectre



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon Mar 22, 2004 4:37 pm Post subject:

QUOTE

I finished the doublestarplan. I put the bridle information.  
Please tell me if anything missing.  
I also put the panel dimensions for a 2 meter 8 point doublestar in PDF format.  
  
Best Winds,  
Ferruh Baysu

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Dennist3



Joined: 20 Feb 2004  
Posts: 566  
Location: USA, Virginia, HAMPTON ROADS

Posted: Mon Mar 22, 2004 7:07 pm Post subject:

QUOTE

Thank you Spectre!!!!!!  
  
you are truly a open hearted kite builder.....  
  
thank you!,  
Dennis

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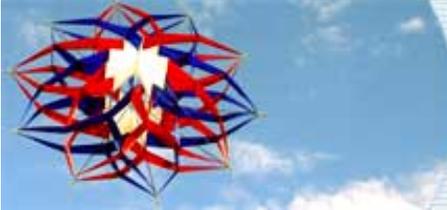
<p><b>Dennist3</b>                    Joined: 20 Feb 2004                  Posts: 566                  Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 7:07 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Thank you Spectre!!!!!!                  you are truly a open hearted kite builder.....                  thank you!,                  Dennis</p>
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<p><b>Mountain Man</b>                  Kitebuilder of the Year 2003                    Joined: 04 Sep 2003                  Posts: 1093                  Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 7:14 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>thanks again Ferruh Baysu 😊                  that is very well done ! I will keep in touch with you as I build it! will post pics as I go along as I have done for all my other kites ! As you have read here their will be more Double Stars goin up this summer thanks to your plan! You are contributing to painting the sky internationally 😊                  now to put in the order ! .....Before Gary buys everything*grin*</p> <hr/> <p>Bernie                  the Mountain Man                  Paint the sky...                  "Fly a Kite!"</p>
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<p><b>Dennist3</b>                    Joined: 20 Feb 2004                  Posts: 566                  Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 7:17 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Good...MM I'm going to follow you in making this kite.....so please let me know what you find and take lots of pictures....(congrats...you just became my instructor...and I will need it...)                  thanks,                  Dennis</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">MSNM</a></p>
<p><b>Gary</b>                  Kite Builder II                    Joined: 26 Nov 2003                  Posts: 328                  Location: Rhode Island, USA</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 7:23 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Mountain Man wrote:</b>                  now to put in the order ! .....Before Gary buys everything*grin*</p> </div> <p>Moi? 😊</p> <hr/> <p>good heavens;                  Gary E</p>
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Author	Message
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 8:37 pm Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></div> <hr/> <p>Huummm, looks like there is some energy flying around here for an online workshop 😊</p> <p>Did I trigger something by starting this thread ?</p> <p>Smarties 😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 9:06 pm Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <hr/> <p>I hope so!!!!</p> <p>Dennis</p>
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<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Mon Mar 22, 2004 10:10 pm Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <hr/>

for those that wants to know 😊  
 this is roughly what I will be ordering and prices are approximately ....  
 Fabric  
 No 1 colour FRNC 75B rasp 4 yd \$14.00 us  
 No 2 colour FRNC 75B white 5 yd 20.00 us  
 No 3 colour FRNB 75A Ice Blue 4 yd 32.00 us  
 No 4 colour FRN 75B blue 3 yd 12.00 us

Spars No price here yet !

13 10mm x 60" (2 are for spares)  
 2 arrow nock for 10mm  
 14 end caps for 10mm

fitting no price here either  
 tinkertoy for 10mm with a center for a 10mm

now the order may be a bit bigger as they may be more locals that wants to add to the order !  
 but that is a quideline for now ! Hope SteveF will clear that up soon ! 😊  
 keep watching 😊

Bernie  
 the Mountain Man  
 Paint the sky...  
 "Fly a Kite!"

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**Dennist3**



Joined: 20 Feb 2004  
 Posts: 566  
 Location: USA, Virginia,  
 HAMPTON ROADS

Posted: Mon Mar 22, 2004 11:55 pm Post subject:

[QUOTE](#)

**Mountain Man wrote:**

FRNC 75B rasp 4 yd \$14.00 us  
 No 2 colour FRNC 75B white 5 yd 20.00 us  
 No 3 colour FRNB 75A Ice Blue 4 yd 32.00 us  
 No 4 colour FRN 75B blue 3 yd 12.00 us

FNRC?

just wondering

Dennis

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**Don Lord**  
 Kite Builder II



Joined: 22 Nov 2003  
 Posts: 181  
 Location: CANADA BC  
 VANCOUVER

Posted: Tue Mar 23, 2004 1:10 am Post subject:

[QUOTE](#)

Dennis; that would be KiteStudiospeak to ID the fabric as being in this case: Fabric, Ripstop, Nylon, Challenge Cloth, .75oz, Grade B.

Don Lord

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Dennist3



Joined: 20 Feb 2004  
Posts: 566  
Location: USA, Virginia,  
HAMPTON ROADS

Posted: Tue Mar 23, 2004 1:22 am Post subject:

QUOTE

AHHHH I C!!!!!!!!!!!!!!!!!!!!!!.....thanks... 🙄 🤔

Thanks,  
Dennis

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kiteguy

Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near Kansas  
City

Posted: Wed Mar 24, 2004 12:17 am Post subject:

QUOTE

Grant L wrote:

He had made the hub of <a href="http://www.kitebuilder.com/catalog/index.php?cPath=33">Carbon</a> fiber tubes epoxied together. I have a few photos at home I will post, but none of the center hub 🙄 I think Kiteguy got some photos too, but he is at Fort Wordon right now 🌐

I am baaack! Survived Ronda's class, too!

The star kite that Grant is talking about was made about 3 years ago, but from plans in a 1989 magazine.

The hub was cool. I was trying to think of ways to drill the holes in material. I never thought of taking material with holes (tubing) and building the hub material around it. Looks strong enough to me.



While at Seattle I visited a kite shop and bought a Lotus kite. It is 3 or 4 ft in diameter. The one at MAKR was 5 ft diameter. (Just a bit more, each spar was 32 1/2 inch long.)



Dave Ellis  
Kites + Kids = Education

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Dennist3



Joined: 20 Feb 2004  
Posts: 566  
Location: USA, Virginia,  
HAMPTON ROADS

Posted: Wed Mar 24, 2004 12:22 am Post subject:

QUOTE

that looks like J.B Weld to me.....

you can use that stuff anywhere!!!!

Dennis

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**knotronda**  
Kite Builder II



Joined: 22 Jan 2004  
Posts: 804  
Location: Lincoln City, OR  
USA

Posted: Wed Mar 24, 2004 5:30 am Post subject:

[QUOTE](#)

'She turned me into a newt but, I got better'.  
I had help from Sam King.  
'You keep using that word. I do not think it means what you think it means.'  
We did have fun. The best is yet to come.  
knot(tier)ronda

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**Dennist3**



Joined: 20 Feb 2004  
Posts: 566  
Location: USA, Virginia,  
HAMPTON ROADS

Posted: Wed Mar 24, 2004 10:59 am Post subject:

[QUOTE](#)

Keep using what word?  
you lost me there  
Dennis 😊

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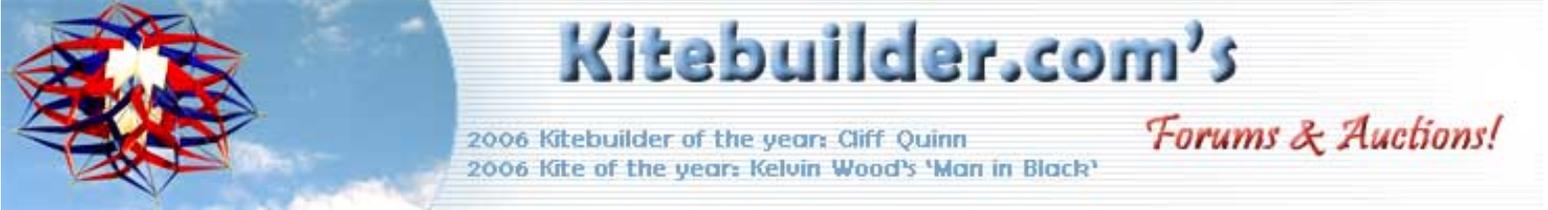
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Author	Message
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Wed Mar 24, 2004 11:50 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>The Word is "INCONCEIVABLE" - From Princess Bride ... Excellent Movie..</p> <p>Sorry for the Hi-Jack...</p> <p><a href="http://funwavs.com/wavfile.php?quote=1127&amp;sound=83">http://funwavs.com/wavfile.php?quote=1127&amp;sound=83</a></p> <p>--Bill</p> <p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Wed Mar 24, 2004 6:26 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>AHHHHHH oh yes I remember....Wow going OLD SCHOOL huh?</p> <p>LOL</p> <p>Dennis</p> <p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">MSNM</a></p>
<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2193 Location: USA PA ALLENTOWN</p>	<p><input type="checkbox"/> Posted: Thu Mar 25, 2004 12:28 pm Post subject: <a href="#">QUOTE</a></p> <hr/>

We are working on a sample fitting for this kite. Its gonna be a big one.

Question for Spectre... do you think it is enough if the 10mm spars are only inside the fitting by 1 inch (25.4 mm) ? If it needs to be more, the diameter of the fitting wil have to be much bigger, OR some other alternative.....

If 1" is okay, the fitting will have a 2.75" diameter and have a thickness of 1". Yep, this is a big fitting.

-Steve

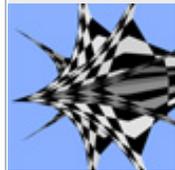
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**Steve Ferrel**  
**Kite Studio - Go Build a Kite!**  
 Measure once, buy twice! 

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**spectre**



Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Thu Mar 25, 2004 8:06 pm Post subject: [QUOTE](#)

I don't think that 1" will be enough(it is 2" on my HUB). In the high winds the force is to much on the center. I also insert 8mm fiber inside the 10mm spar on the center.

My HUB is made of wwood and plastic tube. I used 3mm wood.  
 Between two circular wood,there is vertical woods and between vertical and horizontal woods there is plastic tubes(12mm outer and 10 mm inside dia).

Best Winds,  
 Ferruh Baysu

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**CJQ**  
 Grand Champion, Kitebuilder  
 of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA - USA

Posted: Thu Mar 25, 2004 10:42 pm Post subject: Star hub [QUOTE](#)

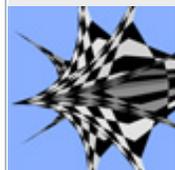
Hello Ferruh,  
 I understand the spars in your kite go into the hub 2 in. What is the diameter of your hub. Also you incert a re-inforcement rod in the bottom end of the spar, how deep or long is the incert. have you experimented with a two peice spar having a 10 mm at the center and a smaller size half way out. Is there less force on the spars towards the outer circumfrence.

Regards  
 CLIFF

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**spectre**



Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Fri Mar 26, 2004 3:57 am Post subject: [QUOTE](#)

The Diameter of the HUB is 13.5cm more then 5". and I used 7.5cm/3" insert(8 mm carbonprince) at the bottom of the spar.

I don't test any other configuration. I didn't want to risk the spars because there is no kite material source in Turkey and buying spars it too expensive becfause of shipping and taxes. But if you want you can try different alternatives.

My system is working very good I test this up to 25mph.

Best Winds,  
 Ferruh Baysu

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<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Fri Mar 26, 2004 9:23 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>talk about SOLID!!!!</p> <p>that is most assurdly not the weak point!!!!</p> <p>thanks you for being so patient with al of our questions!!!</p> <p>Dennis</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a> <a href="#">MSNM</a></p>
<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2193 Location: USA PA ALLENTOWN</p>	<p><input type="checkbox"/> Posted: Wed Mar 31, 2004 2:02 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I am starting to get orders for this fitting! Guys, we are having a bit of a problem... The largest size plastic we have is 2.75". At that diameter each spar will only go in about 1". If we need the spar to go in 2", the plastic will be 4.75" - that is no problem for our indexer, BUT, the largest diameter our lathe can accomodate is 3"... and three inches gives us only and extra 1/8" insertion.</p> <p>The price for a 2.75" tinkertoy with 10 holes will be around \$8.00.</p> <p>Another option is to use the 2.75" plastic, but drill the holes bigger to accomodate a 2" aluminum ferrel that fits the 10 mm spar. That way the spar will go into the ferrel 2" and the ferrel will go into the fitting 1". The biggest issue with doing it this way is cost. The tinkertoy stays at 8 bucks, but the ferrels cost \$2.00 each. So the fitting would approach \$28.00, PLUS there really should be a ferrel for the spine going though the center of the fitting..... bringing the total cost to \$30. Kinda pricey, but then... this will be a big kite worth at least \$1,000.</p> <p>So..... Its your choice. Take the \$8.00 without the ferrels if you think it will be strong enough, or go for the beefed up \$30 version.....</p> <p>In either case, you might also consider adding a 3" internal ferrel inside the 10mm.... use either the solid or hollow 8mm (.2810")</p> <p>Also note, the fitting will be made from UHWM, which cannot be glued, so if you go with the bigger option, the aluminum ferrels will have to be glued to the spar.</p> <p>My personal gut feeling is that the 1" insertion without the ferrel will be okay.....but..... I never made this kite. No gaurantees if you go this route. Heck, there are no gaurantees if you go the other route either! 😞</p> <p>Any other ideas?</p> <p>I guess we could buy a bigger lathe? 😞</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! 🛠️</p>
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<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Wed Mar 31, 2004 2:38 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>well stevef I for one will be using that 30 dollar center piece ! So for those that wanted to know what MM was going to use ! that is it ! I have ordered mine and took the liberty of ordering one for bill wilson also ! Want it to be good ....yes all the material is ordered and now I will have to sit and wait ! my patterns are drawn and cut ready to put on the ribstop ! it will be a impresive kite for sure ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>

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<b>wdrwilson</b>  Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax	<input type="checkbox"/> Posted: Wed Mar 31, 2004 3:03 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> Thanks MM, I was hoping you would do that 😞 I guess I better get crackin creating those patterns!! Whats the best way to print a PDF over multiple pages? 😞 Cheers, Bill
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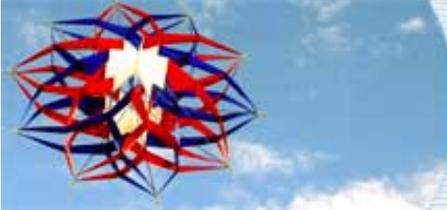
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">QUOTE</div> <div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">EDIT</div> <p>Posted: Wed Mar 31, 2004 3:04 pm Post subject:</p> <hr/> <p>I don't know how the wind pushes on this kite but the way the kite is assembled, isn't the fabric part of the structure that will hold everything together in place? Wouldn't this help to minimize the stress on the center piece?</p> <p>Stevef, For that center piece, since your lathe can only accomodate 3", can it be done in an octogonal shape instead of round? This way, you wouldn't need your lathe.</p> <p>Smarties 😊</p>
<p>Back to top</p>	<div style="text-align: right;"> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">PROFILE</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">PM ME!</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">E-MAIL</div> </div> <div style="text-align: center; margin-top: 5px;"> </div>
<p><b>KiteSquid</b> Master Kite Builder ★★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">QUOTE</div> <p>Posted: Wed Mar 31, 2004 3:13 pm Post subject:</p> <hr/> <p>I think they are using the late to drill the spine hole in the fitting and as a cut off tool, or at least that is how I would do it.</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
<p>Back to top</p>	<div style="text-align: right;"> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">PROFILE</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">PM ME!</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">E-MAIL</div> </div> <div style="text-align: center; margin-top: 5px;"> </div>

**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Wed Mar 31, 2004 3:29 pm Post subject:

QUOTE

Steve,

I just looked at the photo of Tony using the 9" South Bend Lathe that is posted [HERE](#) and I was thinking, why dont you just turn the jaws around to open it up?

BTW when you get tired of that late and want to give it away, CALL ME ASAP!!!! I need soooooooo many tools 😊

---

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**knotronda**  
Kite Builder II



Joined: 22 Jan 2004  
Posts: 804  
Location: Lincoln City, OR USA

Posted: Wed Mar 31, 2004 11:40 pm Post subject:

QUOTE

**Dennist3 wrote:**

Keep using what word?

you lost me there

Dennis 😊

Inconceivable

KR

I've been gone for a while and my replies might be falling into odd places along this thread. Sorry about the confusion. I am famous for it.

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**wdrwilson**



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Thu Apr 01, 2004 12:16 am Post subject:

QUOTE

I can't seem to get to spectre's web page.

Anyone else having problems?

--Bill

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<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2193 Location: USA PA ALLENTOWN</p>	<p>Posted: Thu Apr 01, 2004 12:30 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>works for me. Looks like he made some recent chages. You can jump to the Double Star Plan <a href="#">HERE</a></p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! </p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2193 Location: USA PA ALLENTOWN</p>	<p>Posted: Fri Apr 02, 2004 1:31 pm Post subject: <span style="float: right;">QUOTE</span></p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>Kitesquid wrote:</b></p> <p>Steve,</p> <p>I just looked at the photo of Tony using the 9" South Bend Lathe that is posted <a href="#">HERE</a> and I was thinking, why dont you just turn the jaws around to open it up?</p> </div> <p>Ya know..... I didnt know that could be done! When I asked the old man, he said he knew it but resisted the mention because it is a real pain to turn them around then put it back together again with correct alignment. But I convinced him the forum group was worth the effort - so..... I am purchasing some larger UHMW. The largest size we can now work with is 5" and this will give us 1.9" insertion. However..... big plastic is expensive and the final cost of the fitting will still be around 30 bucks (including the extra Aluminum ferrel for the spine), but it will be a cleaner look and definetly strong enough. If anyone else is interested, please let me know as soon as you can so I can have the old man make enough before he turns the chuck around again. (no need to order or purchase now, I would just like a guestimate of how many to cut).</p> <p>-Steve</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! </p> <p>Last edited by stevef on Fri Apr 02, 2004 1:52 pm; edited 1 time in total</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Steve D</b></p>  <p>Joined: 02 Sep 2003 Posts: 996 Location: USA GA Newnan</p>	<p>Posted: Fri Apr 02, 2004 1:38 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Steve - add me to the list - it just may be mid summer before I pull the trigger on it....</p>
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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Wed Apr 07, 2004 9:20 pm Post subject:

QUOTE

building of a double star is about to begin! I will be posting here regularly as I put this kite together ! I will encourage all the other 5 builders to chip in and post pics of their progress also! I know of at least 5 that intend to build it ! so here in Atlantic Canada there is Bill and myself ! then there is Gary and also CJQ (Clive) and SteveD said later this summer ! But all are welcome to chat with us as we go trough this process ! We are a big kite family and lets keep it that way ! I will be receiving my material same with Bill sometime next week!

here is my pattern pieces cut in poster board and ready to go!  
now have not yet seen the need of using other material for patterns ! but never had that many pieces to cut ! will see 😊 😊



each section is identified with the number of pieces to be cut !



now I have heard from good source 😊 that Clive as already got his material and is mostlikely cuttin pieces as is ! Hope he will now find time to post here what he as done 😊

this will be a very impressive kite and im sure we will have all different color ! it will be a fun project !

\_\_\_\_\_  
Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

Last edited by Mountain Man on Fri Mar 25, 2005 10:10 am; edited 1 time in total

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**wdrwilson**



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Wed Apr 07, 2004 11:33 pm Post subject:

QUOTE

Hey MM,

Well done! I guess I have to get my butt in gear... I am in the middle of building a 6ft Rok for my company.. So once that is finished, probably by Sunday or Monday, I can start on the star.

I am still having a hard time picking colors but I keep coming back to Spectre's original colors as being so beautiful.. so I think I will use Yellow, Yam, Orange, and Black (I may substitute the black for Red.. we'll see.)

Looking forward to getting the parts...

--Bill

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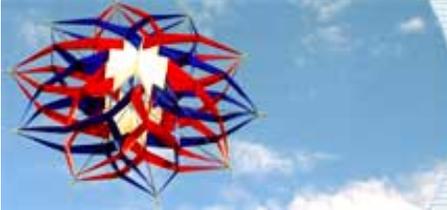
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2006 Kitebuilder of the year: Cliff Quinn  
 2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>CJQ</b>                      Grand Champion, Kitebuilder of the Year 2006                          Joined: 27 Dec 2003                      Posts: 1702                      Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Thu Apr 08, 2004 1:03 am Post subject: DOUBLE STAR <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Bennie Bernie Bernie, Your putting the pressure on me to get off my butt and post some pictures. At this point in time I have cut the fabric for the front section .That represents 60 panels. As I may have mentioned to you I hate to fold the fabric over and sew an edge. What is easiest for me is to edge bind ,and i'm doing that in the same panel colors . I have prox 25 panels ready to join together.The first thing I will do is the core sewing,To form the spine pocket . I will put two 3/8 in grosgrain loops oposite each other for the spine tension. at the pocket edge.                      I had a concern about using pockets at the outer tips . the fabric tapers to a point and the pocket needed for a 10mm rod is massive .Initially thought of using a peice of 200lb dacron sewn into the tip and thru a sloted cap. Now I have my doubts about that .But for sure I dont think pockets are the hot setup.                      MORE TO COME</p> <p>Regards CLIFF</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>Mountain Man</b>                      Kitebuilder of the Year 2003                          Joined: 04 Sep 2003                      Posts: 1093                      Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Thu Apr 08, 2004 7:55 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Sorry CJQ did not mean to create preasure ! Very sorry ! I will behave ! 😞</p> <hr/> <p>Bernie                      the Mountain Man                      Paint the sky...  <i>"Fly a Kite!"</i></p>
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<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004          Posts: 566          Location: USA, Virginia,          HAMPTON ROADS</p>	<p>Posted: Thu Apr 08, 2004 8:55 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Pressure!!!!</p> <p>I am dying to see more pics of these!!!!</p> <p>sounds like you guys have a good grasp...if I get enough Pics up I might be able to make my own .....</p> <p>so please post um!!!!</p> <p>Dennis</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">MSNM</a></p>
<p><b>CJQ</b>          Grand Champion, Kitebuilder          of the Year 2006</p>  <p>Joined: 27 Dec 2003          Posts: 1702          Location: Coopersburg, PA -          USA</p>	<p>Posted: Thu Apr 08, 2004 9:07 am Post subject: Double star <span style="float: right;">QUOTE</span></p> <hr/> <p>HI bernie NO no , just joking , this is going to be a fun project working together . DID you study the joint sewing diagrams ? I.E. sewing a to b, b to c, ect. ? are you going to hot cut the fabric to keep the panels aligned for your sew.? Getting back to the tip pockets that were suggested , the outside panel gets quite narrow out at the end , I had thoughts about strength. I was trying to equate the 10mm rods to the fabric size and wondered if the cloth was strong enough or if the rods were over sized ,but then I think about the size of the entire kite and say it all makes sense. Since its been done before it must work. Some people have a tendency to under size some tend to over size , I tend to undersize. Today is picture time and some sewing Plus maby a short knap.</p> <p>Regards , CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a></p>
<p><b>kiteguy</b>          Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003          Posts: 3196          Location: USA - Kansas,          Overland Park - Near Kansas          City</p>	<p>Posted: Thu Apr 08, 2004 2:39 pm Post subject: Re: DOUBLE STAR <span style="float: right;">QUOTE</span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>CJQ wrote:</b></p> <p>I had a concern about using pockets at the outer tips . the fabric tapers to a point and the pocket needed for a 10mm rod is massive .Initially thought of using a peice of 200lb dacron sewn into the tip and thru a sloted cap. Now I have my doubts about that .But for sure I dont think pockets are the hot setup.          Regards CLIFF</p> </div> <p>The double star kite that we saw at MAKR had line sewn into the tips forming loops. They were fitted over arrow nocks at the end of the spar tips during setup.</p> <p>On the Lotus the tips are overlapped, reinforced with dacron, with a grommet installed. Then stoppers were fixed to the rods and the rods slip through the grommet during assembly.</p>  <p>Dave Ellis          Kites + Kids = Education</p>
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wdrwilson

Posted: Thu Apr 08, 2004 2:45 pm Post subject:

QUOTE



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

You could us a fitting similar to steves Rose Tree fitting if you used the grommet technique...



Hey steve are you mass producing those fittings yet? 😊

Cheers,  
Bill

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CJQ

Grand Champion, Kitebuilder of the Year 2006

Posted: Thu Apr 08, 2004 4:16 pm Post subject: double star

QUOTE



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Hi kiteguy , thanks much for researching and sending it out to us . Oh by the way are you making a D. S. ?

Regards CLIFF

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CJQ

Grand Champion, Kitebuilder of the Year 2006

Posted: Thu Apr 08, 2004 4:31 pm Post subject: D. S. Info

QUOTE



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Just thought I would pass on an observation I made regarding the fabric layout for the star .Spectre gave us a layout method that would minimize scrap . However there is a trade off. If you are not overly concerned with a little waste sque the templates prox 10 deg. that will put the fabric grain in line with the tension created by the tips of the star. It may not make a row of beans one way or another . I didnt think of it until I laid the panels ene to end . The most important thing is to be consistant with the grain direction on all panels.

Will post again

CLIFF

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<p><b>Mountain Man</b>                  Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003                  Posts: 1093                  Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Thu Apr 08, 2004 7:56 pm    Post subject:</p> <hr/> <p>ok Clive .... on the pockets for the end of each spar ... I was complating a pocket like I did on my rocs .... Like in Gary 's plans of the Rokkaku ! this way you can adjust the tention by loosening or tighning the velcro closure ! so would do that with a v shape piece of dacron ! ok I will tomorrow build one and take pics of it ! its easier than trying to explain what I mean ! 😊</p> <hr/> <p>Bernie                  the Mountain Man                  Paint the sky...                  "Fly a Kite!"</p>
<p>Back to top</p>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a>
<p><b>CJQ</b>                  Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003                  Posts: 1702                  Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Thu Apr 08, 2004 10:14 pm    Post subject: Double star</p> <hr/> <p>HI bernie , OK on the pictures you will send showing your star tip attachment. Question do you know what 5390 is                  That is how many inches of edge sewing there is on all the panels. That number does not include all the sross sewing THIS KITE IS BIG.</p> <p>Regards Cliff hey bern not clive (he he )</p>
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<p><b>imagin</b> Kite Builder I ★★★★  Joined: 22 Oct 2003 Posts: 330 Location: Moncton, NB Canada</p>	<p><input type="checkbox"/> Posted: Thu Apr 08, 2004 11:30 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Oh, please don't be embarassed! It's kinda funny.</p> <hr/> <p>Knowledge is limited. Imagination encircles the world.</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a> <a href="#">ICO</a></p>
<p><b>Gary</b> Kite Builder II ★★★★  Joined: 26 Nov 2003 Posts: 328 Location: Rhode Island, USA</p>	<p><input type="checkbox"/> Posted: Thu Apr 08, 2004 11:50 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Mountain Man wrote:</b></p> <p>on the pockets for the end of each spar ... I was complating a pocket like I did on my rocs .... Like in Gary 's plans of the Rokkaku ! this way you can adjust the tention by loosening or tighning the velcro closure ! so would do that with a v shape piece of dacron ! ok I will tomorrow build one and take pics of it ! its easier than trying to explain what I mean ! 😊</p> </div> <p>Hmmmm . . . I am looking forward to those pics. I was thinking about using some kind of fitting between the tips of the sails. I was thinking about sewing line or narrow <a href="#">Webbing</a> to the hems and threading it thru a fitting that was bored to accept the 10mm stick, and cross-drilled to accept the line or <a href="#">Webbing</a>.</p> <p>So many projects, so little time . . . 😊</p> <hr/> <p>good heavens; Gary E</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003 🏆  Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Fri Apr 09, 2004 4:47 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>ok here is a sample of what I would like to do for the tips of my double star!</p> <p>I just used some scrap and did 4 ends! now sew the top two together sew the bottom two together then using insigna cloth I made two identical pieces and then attach the top and botom pieces on it and in the center of it a piece of large <a href="#">Webbing</a> with velcro on it ! so to create a pocket that will hold and lock the spar in place ! hope this is clear enough now the pictures ! 😊</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>hope this will make my discription a bit clearer! 😊 Open for discussions! 🙄</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>

Last edited by Mountain Man on Fri Mar 25, 2005 10:18 am; edited 2 times in total

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**Dennist3**



Joined: 20 Feb 2004  
 Posts: 566  
 Location: USA, Virginia,  
 HAMPTON ROADS

Posted: Fri Apr 09, 2004 5:05 pm Post subject:

[QUOTE](#)

**imagin wrote:**

Oh, please don't be embarassed! It's kinda funny.

I shoulda known...your creativity is so far surpassing what a mere man like me could ever do!!!!

Dennis

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**CJQ**

Grand Champion, Kitebuilder  
 of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA -  
 USA

Posted: Fri Apr 09, 2004 6:12 pm Post subject: D.S. tip pocketsBerm

[QUOTE](#)

Bernie you get a gold star . that pocket adapted to the star tips is very clever . It was a tuffie to explain in 500 words or less . Good photos , is that one of the colors you will use? Do you put an end cap on the rod?Is that the pocket you tought gary how to make?

Oh by the way it sounds like GARY is going to jump in and join us from the intrest he is showing? Gary yes??

At this time I have 45 panels cut and edge bound . Panels a, b, and c. Very boring work ,edge binding , have to walk away from it once in a while. this weekend I will shoot some pictures I promise.

Regards CLIFF

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**Mountain Man**

Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
 Posts: 1093  
 Location: NB Canada

Posted: Fri Apr 09, 2004 6:25 pm Post subject:

[QUOTE](#)

Thanks of the star \*grin\* but I have to clear up ! Gary is the one that tought me how to make the velco pocket ! Its in is Rok plans ! Thanks Gary I have been using that ever since my first rok ! now I addapted it with conjunction with Insigna cloth and the 4 pieces of kite are inside the two layers and ziz zag over ! will not come out of there !

as to the colour ...no that was just a piece of scrap! from what I understand yes Gary will also be putting one together !

Hope this tips will make it easier to adjust the tension!

\_\_\_\_\_  
 Bernie  
 the Mountain Man  
 Paint the sky...  
 "Fly a Kite!"

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**stevef**

Administrator



Joined: 27 Aug 2003  
 Posts: 2194  
 Location: USA PA  
 ALLENTOWN

Posted: Fri Apr 09, 2004 6:34 pm Post subject:

[QUOTE](#)

Bernie, do you get any deformation on the fabric strips when you apply tension to the spar?

\_\_\_\_\_  
**Steve Ferrel**  
[Kite Studio - Go Build a Kite!](#)  
 Measure once, buy twice!

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Apr 09, 2004 6:50 pm Post subject:

[QUOTE](#)

Have not had problems with other kites using the pockets similar to this to date ,but of course cannot be positive re the Double Star until we try it!

\_\_\_\_\_  
Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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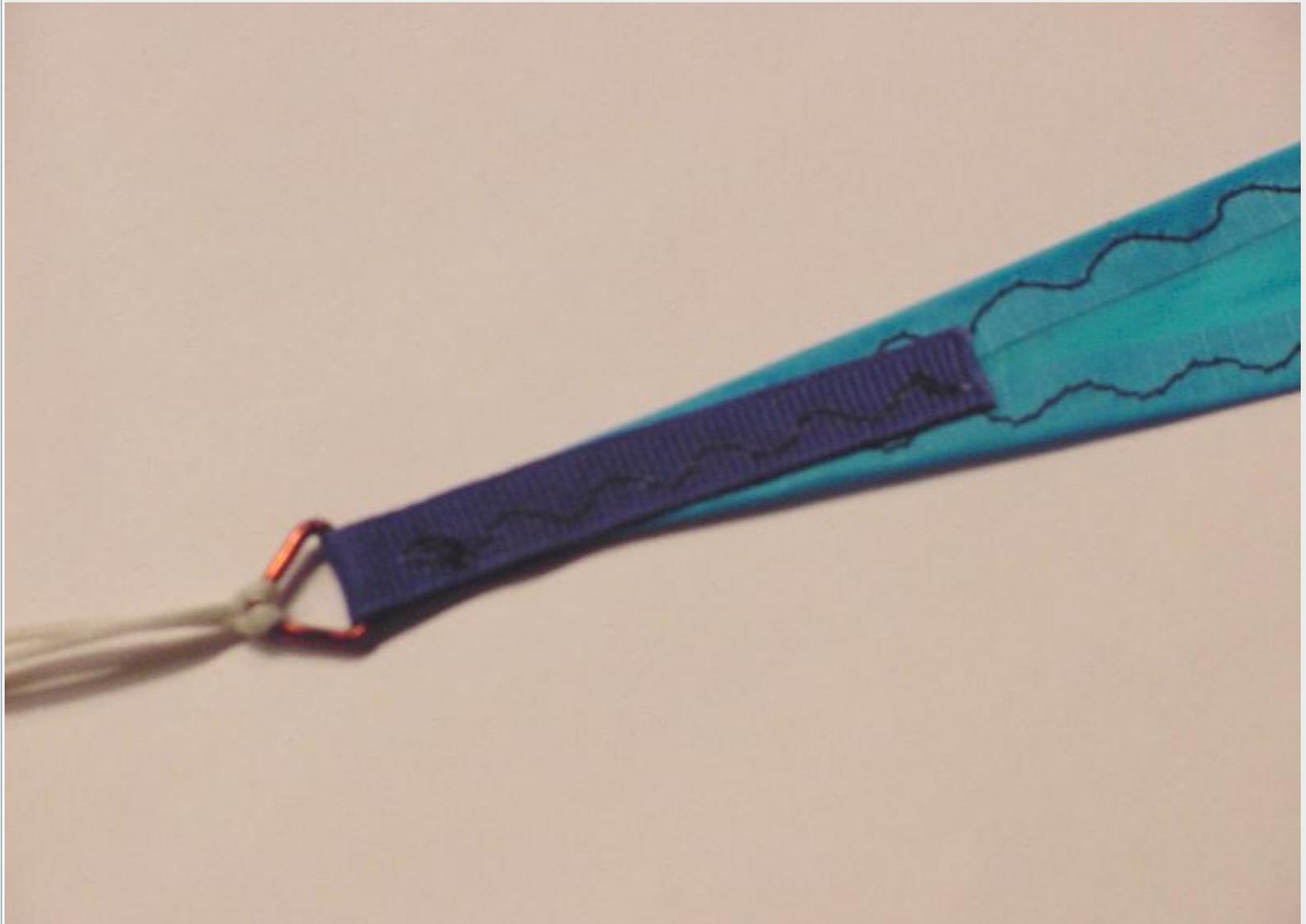
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Author	Message
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Fri Apr 09, 2004 7:17 pm Post subject:</p> <p>Hoping to hear from Spectre on this ! Since he as build and flow the double star ... what do you think???? will this tip do the job? any danger of diforming the material when tightning the Ripstop ? tightning using comon sense ! 😊 it work for some of the stars with did before ! and works for the rok ! I beleive it will work ok! 😊</p> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> </p>
<p><b>CJO</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Fri Apr 09, 2004 10:35 pm Post subject: D. S. TIP</p>

Hi bernie did some more thinking on your adjustable pocket . good design for the application . the pocket will be oriented front to back when mounted and will equilize when the front and rear assembles go under tension. thats a good thing. The two tips sewn together as a pair from either section should equalize also. The pair sewn together must be of exact same length so they both recieve the same tension . My guess would be your pocket will be fine . I took a different approach, I first thought that sewing in a 200 lb dacron line in the tip would be the hot setup, However , after thinking some more I decided to use a grossgrain re-enforcement with a triangular attachment point .This triangle is my foundation for a number of different attachment methods. I think I will use an end cap that will stay with the kite sail . Doing that will make setting up the kite each time go easier. Each of the 4 tips will have a fastening line with knots precisely spaced that will be in slots in the end cap. Once the kite is initialy assembled only infrequent adj. will be required. Moisture causing fabric strech must be compensated. This kind of a kite requires nece tight sails for good flight. The other way to achieve tension would be to increase the distance between the front and back sails with the spine loops ,but, if spread too far sail deformation may occur. Well , thats enough for now just wanted to pass this on .

Here is a picture of the star tip I made from scrap. The grossgrain is 3/8 in wide. The triangle I made and its 14 ga formvar coated copper with soldered ends.



Regards,  
Cliff

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**Dennist3**



Joined: 20 Feb 2004  
Posts: 566  
Location: USA, Virginia,  
HAMPTON ROADS

Posted: Sat Apr 10, 2004 12:13 am Post subject:

[QUOTE](#)

Awsome Idea Cliff!!!!!!!

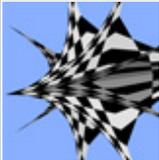
mind if I "borrow" it for future projects?

Dennis

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Sat Apr 10, 2004 3:55 pm Post subject:

[QUOTE](#)

Yes, Mountain Man, it is a very good idea. Also it will work fine in the future to tight the sail.

Cut the frames a little bit longer(1cm longer). In the future the fabric will stretch. So you can tight the sail very easy in the future.

I am waiting for your flight test. If it works fine, I'll put your idea in my plan.

Best Winds,  
Ferruh Baysu

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**kiteguy**

Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near  
Kansas City

Posted: Sat Apr 10, 2004 9:01 pm Post subject:

[QUOTE](#)

**Mountain Man wrote:**

Thanks of the star \*grin\* but I have to clear up ! Gary is the one that tought me how to make the velco pocket ! Its in is Rok plans ! Thanks Gary!

I learned how to make the Velcro pockets from a Premier kite that I had purchased. Do you suppose THEY got the idea from Gary, too? 😊

Bummer, I can not see the photo of the tip attachment that CJQ is planning to use. 😞



Dave Ellis  
Kites + Kids = Education

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon Apr 12, 2004 6:43 pm Post subject: Double Star

[QUOTE](#)

Promised i would do pictures over the weekend I did now I must learn to post them myself . My wife was doing my photo posts but now she said its about time I learn to them . Is that insubordination? So I will try Dont laugh.

Now all 70 panels are cut and edge bound and ready for sewing . Spectre has a dwg. of the center section sew , but no dimensions , I just finished a second mock-up with scraps to determine what dimensions were needed to create a reasonable size hole for the spine .I ended up with a center hole of 3/4 in. with these dimensions=== I applied a 1/4 in double stick tape along the inside edge of the "a" panels I also put a washable pencil line parallel to that edge 3/4 in in . Further I found the center of that edge and put a mark across the 3/4 in line on both sides of the fabric . This mark keeps all your panels aligned before sewing . You may wonder why I used the double stick tape ,It does two things for me It makes sewing easier cause I dont prefer hot tacking and panel alignment is quite important,and I think the tape offeres some joint re-enforcement.

When you get all the 10 panels held together centered properly they will look like they are mis-aligned ,they are not . You can connect all 10 together make 9 sews close the loop then do the last sew . Good luck.  
If you have a question fire away.

CLIFF

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Mon Apr 12, 2004 8:38 pm Post subject:

[QUOTE](#)

ok I have a question ? where is the pictures \*grin\* that is about the measurment that I ended up with my mockup! so I thinks that is about right !now when you did the mock up did you use insigna cloth in the center to reinforce ?

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon Apr 12, 2004 8:59 pm Post subject: Double Star

[QUOTE](#)

HI Bernie For got to mention I sewed in two grossgrain loops 180 deg. from each other with triangular loops like in my previous post. And to your question no I did not use any insg. cloth to re-enforce. I thought about the stress and concluded that if I do good sewing and all the sewing locations ( at the joints ) are Exactly the same distances apart at all the cross locations the stress should be uniform all the way around. That is the theory. Wether I make that happen is a different story ,say!

CLIFF

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Wed Apr 14, 2004 5:55 pm Post subject:

QUOTE

Monday we received from Stevef our order of [Ripstop](#) and tuesday started the tracing then cutting of material ! then we did double fold hem on the first 20 pieces wich is the center ! here on our kite that will be white !   
then we sewed those 20 pieces to form the center and added a dacron reinforcement pieces on 2 pieces that will be accross from each other and will serve two perpous ! one as anchor point to tie the harness and Second to attach the line to hold the arrow nock pieces !



here showing A pieces sewed together !



Now folding the double hem for the B pieces here those will be Rasberry ! very nice red ! now their is 40 pieces of those to hem ! lots of work ! we will continue to post pics as we advance !



Cliff your pictures? 😊

I know that is awful since your picture poster as resign on you ? \*grin\*

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Wed Apr 14, 2004 6:15 pm Post subject:

QUOTE

EDIT

Wow, look at MM, how focused he is on his work 😊  
I sure can't wait to see this kite in Dieppe's sky 😊

Smarties 😊

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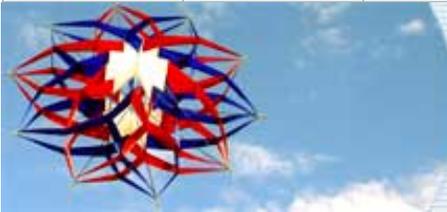
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  </p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed Apr 14, 2004 6:29 pm Post subject: Bernie and Double Star <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <hr/> <p>Hi Smarties , look close at the last picture of bernie folding the sails , notice his fingertips are glowing red! and he's only done 20 panels . Thats the first stage , soon the fingers will start to smoke. Man there is a bunch of panel work.I mis-calculated there is actualy close to 5,600 inches of edging to apply . Bernie -----keep cranking!!</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <input type="button" value="PROFILE"/> <input type="button" value="PM ME!"/>  <input type="button" value="E-MAIL"/> </p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003 </p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Wed Apr 14, 2004 11:30 pm Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <hr/> <p>ok 11:28 PM and just stoped sewing ! all the B pannels are hemed so the raspberry colour done ! tomrow I will attach them to A pannels !</p> <p>lots of hemming ! lots of fun ! </p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <input type="button" value="PROFILE"/> <input type="button" value="PM ME!"/> <input type="button" value="E-MAIL"/>  <input type="button" value="WWW"/> </p>

<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>   <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Wed Apr 14, 2004 11:38 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>I was asked why I did not cut all the pieces at once then hem all of the pieces then assemble ! well two reason !</p> <p>1st it would get boring ! cause their is too much of the same ..... so by doing one secmnt at a time and it gives you variety and be come for fun !</p> <p>2nd is that we changed one of our colour on monday so I have to wait till that colour comes in ! so in the meanwhile im still working on the kite ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>    <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Wed Apr 14, 2004 11:39 pm Post subject: double star <span style="float: right;">QUOTE</span></p> <hr/> <p>Bernie , how did the center panels go together ? pretty easy ? I saw the re-enforcements you put in ,that works. How did you hold the panels together when you sewed?</p> <p>CLIFF</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>   <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Wed Apr 14, 2004 11:42 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>well I have a Pfaff and it as a walking foot and a down needle setting so It went very good ! im very happy with it !</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>    <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Wed Apr 14, 2004 11:54 pm Post subject: Double star <span style="float: right;">QUOTE</span></p> <hr/> <p>HI Bernie ,I have sewn the A panels like you in the morning I will sew A to B . All my B panels are double taped tothe A's ready for sewing . When I match up the edges of the B panels there is on some a 1/8 in difference in length I think I will trim them even . Un-even dimensions in the beginning may compound later .</p>

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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  ★★★★★  Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Thu Apr 15, 2004 12:11 am Post subject: Double Star <a href="#">QUOTE</a></p> <hr/> <p>Mr. wilson , hows your progress with your star , you have been very quiet whats up ??</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>wdrwilson</b>  Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Thu Apr 15, 2004 1:04 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Looking good Bernie!!</p> <p>I just got my templates made last night. Tonight I think I will cut the A Panels and start the heming process. I have another kite that I have to finish by the 2nd of May so I may get a little distracted. 😊😊 But I will get it done.. 😊</p> <p>--Bill</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003   Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Thu Apr 15, 2004 10:47 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>ok got the A pannels sewed to B pannels! looking sharp!</p> <p><input type="checkbox"/> another view !</p> <p><input type="checkbox"/> This showing the 1/8 in or so drop on all of them but I dont think it will make a difference not sure why! <input type="checkbox"/></p> <p>again a different view !</p> <p><input type="checkbox"/> now I have to wait for a while ! waiting for more <a href="#">Ripstop</a> from stevef ...for the 3 pannels ... and the spars and center piece .... hope to hear from Stevef soon on them ???</p> <p>so for now im on a stand still! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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Dennist3



Joined: 20 Feb 2004  
Posts: 566  
Location: USA, Virginia,  
HAMPTON ROADS

Posted: Thu Apr 15, 2004 11:06 pm Post subject:

QUOTE

WOW LOOKING AWSOME!!!!!!!!!!!!!!!!!!!!!!

Great job so far  
Dennis

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Thu Apr 15, 2004 11:31 pm Post subject: Double Star <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Bernie glad your at a stand still ,I cant keep up to your pace ,now i'll have a chance to catch up .Ha Ha, I see what you mean about the drop off 1/8 in . Ya it comes from the angled panels and the folding of the joints . I had the same problem ,I kind of centered the adjoining two panels and sewed. I dont think it makes a difference at all. I was out to stevef's yesterday and the rods are not in yet but very soon . Tony is well into a prototype mock-up and soon be making what we need.Tomorrow I will be sewing panels C to D .I'm getting nervous about getting the panels all sewn with equal lengths between the sews. We dont find out until we put the fabric on the frame. What colors are you changing? W ill it be white red orange black?</p> <p>CLIFF</p>
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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Apr 16, 2004 7:38 am Post subject:

[QUOTE](#)

well it will be a while so you will have yours finished before I get the rest of my stuff! The new colours are

white rasberry dark rasberry blue have a choice of two blues but have to see the dark rasberry and put the two blues to see wich one I will use ! dont want to cut the blue and find out it wont go with the dark rasberry !

so will just work on something else in the meanwhile .... when are you going to put pics?????? Cant you bribe your better half in putting the pics up for you 😡 .... I want to see ..... 😊 or have you put some up and I missed it ? any where else??? curious mind .....ok very curious ...I admit .... 😊

Now I could cut the the D panel in the blue that I think I will use ....but what if its the wrong one ..... then I would have to cut pieces for a new Double star ....using new colours for A B C .....No I better not .....cant afford it \*grin\*

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Fri Apr 16, 2004 10:36 am Post subject: Double Star

[QUOTE](#)

Well Burnie , I got thru phase # 1 I posted some D.S. progress photos in Notebook . Now I must figure out how to get them into this column. But in the meantime look at them there and ask me some questions . I tried to show some of the things you discussed previously. You will note I am using only two colors . The color scheme photo shows the flower effect grafic patern. It turned out that the picture with the color outline became important when putting the panels together . What a nightmare . At the Cto D intersection colors criss cross .Some intersections have similar colors some are mixed. Your grafics are perhaps a little different and easier. Have a look and let me know.

CLIFF

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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA  
ALLENTOWN

Posted: Fri Apr 16, 2004 11:24 am Post subject:

[QUOTE](#)

Here are 60 center tinkertoys!



And here is a sample of a finished tinkertoy (notice the extra holes on the face, drilled to remove excess weight) \*courtesy of CJO



Steve Ferrel  
Kite Studio - Go Build a Kite!  
Measure once, buy twice! 

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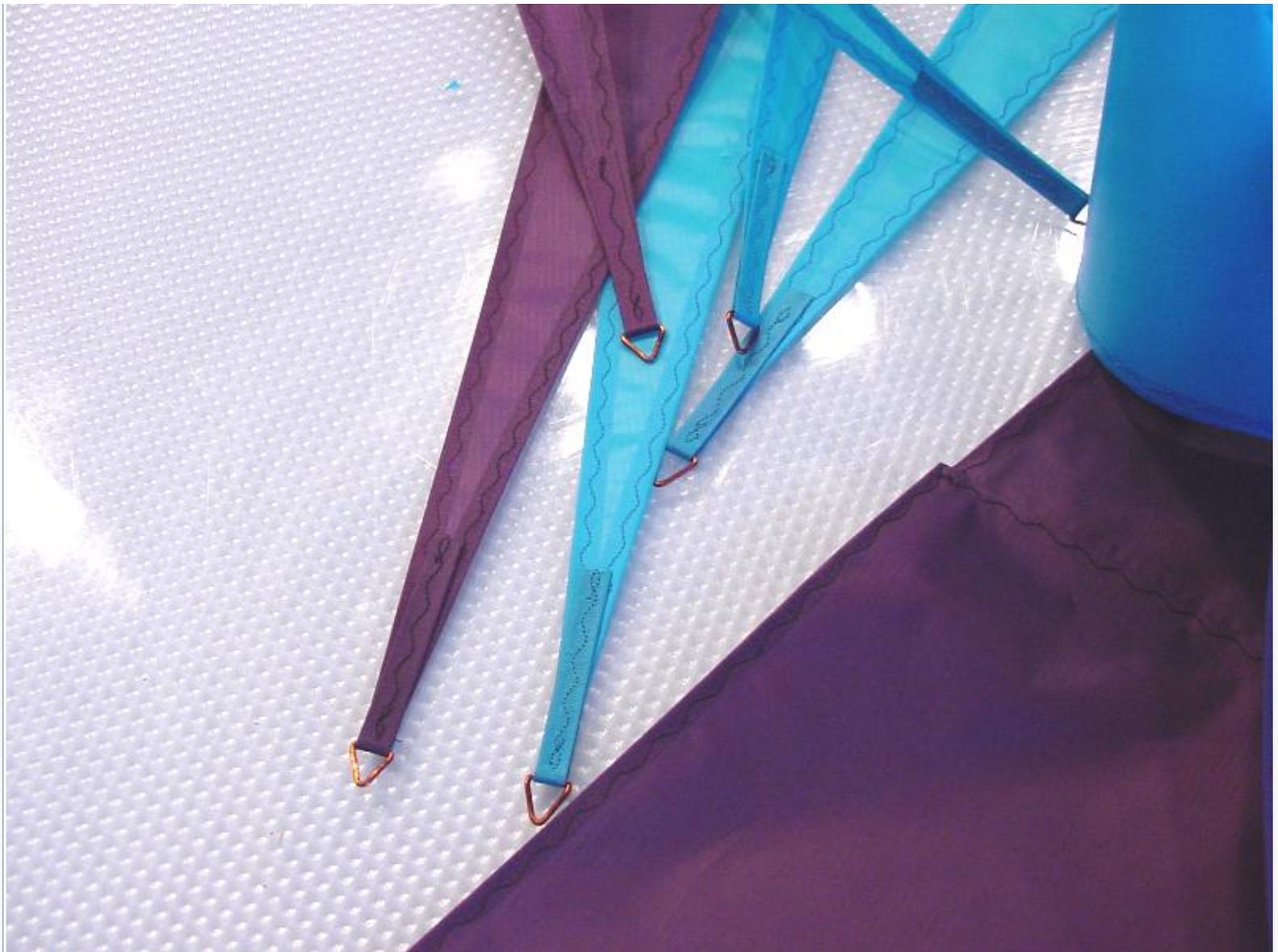
**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Apr 16, 2004 11:43 am    Post subject:

[QUOTE](#)



in this pic Cliff I see seperate ends for each D ? that means If I understand right that you will have them going into a arrow knock right?

---

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Fri Apr 16, 2004 12:06 pm Post subject: Double Star

[QUOTE](#)

Hi Bernie , boy you are quite observant . Yes , the D panels will not be sewn together at the tips . Last minute plan change. At first I thought I would sew the adjacent tips together ,However further thought occured and I decided to sew in triangle loops on each tip, the purpose being it would allow for additional adjustment between adjacent cells . I will attach a line from one tip go thru an end cop and down to the adjacent tip. At that tip I will loop thru the triangle and tie a tensioning slip knot .The name of that knot slips my mind But, I believe 10 not experts will respond and remind me . EH.

Did you take notice I covered the grossgrain with the same color fabric.

Wow only one question Must be good pictures .EH.

BTW Stevef you suprised me when I saw the Proto-type I made Scared the hell out of me ,cause I didnt remember posting it Thank you for the credit.

CLIFF

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Fri Apr 16, 2004 12:43 pm Post subject:

[QUOTE](#)  
[EDIT](#)

Wow, I never thought that asking for plan for this beautiful kite will end-up in a thread over 14 pages 🤔 .

I'm glad to see all these peoples building this kite. Now my mind keeps telling me to start building one. 🤔 It's climbing its way up in my todo list.

I was trying to visualize what kind of pressure the tinkertoy is submitted to in the wind. Which direction the spars will compress or pull on the tinkertoy? Anyone can answer this?

Smarties 😊

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Apr 16, 2004 10:58 pm Post subject:

[QUOTE](#)

that is quite a pic! Cliff I can see better !Now that as the making of a super double star ! I see the crisscrossing of the colour ! very nice effect ! love it ! you will have the spars and tinkertoy before me any way ....and I will see a flying pic of it before I can do my C and D pieces 😊  
looking forward to seeing that ! 😊



hope you dont mind my posting this pic !!! 🤔

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Fri Apr 16, 2004 11:06 pm Post subject: Double Star

[QUOTE](#)

Hi Smarties, It is amazing how many people got hooked on this star. Thanks for your efforts too. Your question about the stress on the tinkertoy has been considered . We are following the plan that Spectre has put into practice and he claims that the design will handle winds up to 25 mph. Thats a bunch of wind . The amazing thing is there are three bridle points at 10 , 2 , and 6 oclock .The bridles attach to the 5 ft. 10 mm. spars , those three spars carry the load. The amount of stress transmitted to the center hub will not be excessive. Certinly the core section has the most sail area and creat the most force but that force will be distributed to the outer tips . When you look at the front and rear sections from the side you will see a triangular profile caused by the prox 10 degree pitch in the sail panels .Anyway thats the theory The important thing is Spectre says it works.

I posted some pictures in the notebook this A.M. showing some construction . This evening I finished sewing the first section , got so excited I took it outside and layed it out on the ground for pictures , wish the heck I had some 5 ft rods to assemble the thing, oh well cant have everything.

Here is the pic.



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smarties



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Sat Apr 17, 2004 1:43 pm Post subject:

QUOTE  
EDIT

Thanks CJQ for the information. I had a few ideas on making my own tinkertoy. It's still boiling in my brain 😊

Your star is taking shape. I like your choice of color. Keep us posted.

Smarties 😊

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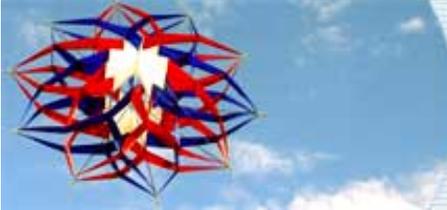
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Author	Message
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Sat Apr 17, 2004 7:07 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>just had to do something ! so got all my dacron cut and ready with all my pieces cut and sewed with velcro on ! <input type="checkbox"/></p> <hr/> <p>Bernie the Mountain Man Paint the sky... <i>"Fly a Kite!"</i></p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Sat Apr 17, 2004 9:42 pm    Post subject: Double Star <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Bernie you are a bundle of energy. Sounds like you cant sit idle. I see the velcro strips ,what are those blue peices of fabric used for. I cut all the panels for the second section . Also cut edging strips for half of them ,so the work moves on . Its still a long way to the end . I'm realy bummed out cause I would realy like to have rods so I can mount the first completed section , wish I could build a fire under stevef's supplier.I guess when you get old your patients goes away. Keep us posted on your progress.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>

**Mountain Man**

Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Sat Apr 17, 2004 9:52 pm Post subject:

[QUOTE](#)

Those are the insigna cloth! its dacron with glue on back ! I will use one on each side of the tips then the velcro pieces sewed in between to form the Tip that is adjustable !

so the pieces ends are sandwitched in between the Dacron then sewed! 😊

hope that help ! will put pictures when I get to that stage!

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**Grant L**

Kite of the Year 2004

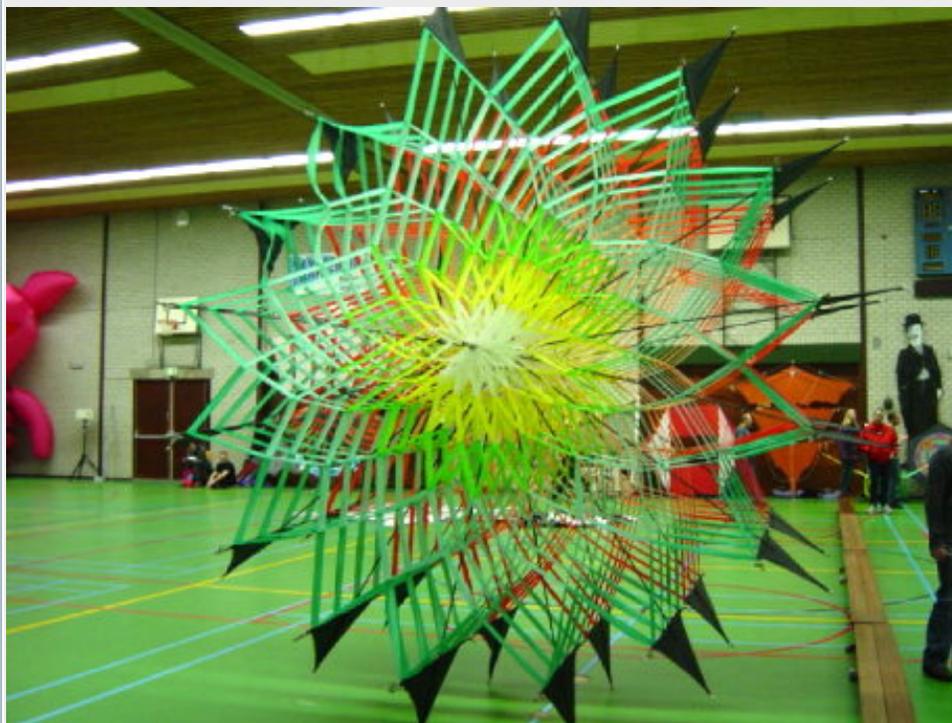


Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Mon Apr 19, 2004 2:39 am Post subject:

[QUOTE](#)

Next 😲 😡 😊



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**CJQ**

Grand Champion, Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon Apr 19, 2004 8:23 am Post subject: Multi-layer Star

[QUOTE](#)

HI GRANT, Dont do that to us ! we are suckers for chalanges!

CLIFF

P.S. Bernie close your eyes.

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smarties



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Mon Apr 19, 2004 8:41 am Post subject:

QUOTE  
EDIT

Hooo MAN 🙄, we're not done with one challenge that more keep coming in. It's gone take several generation to go through all of them. 😊

This kite looks very different, interesting, wow, and all the other words I can't thing on a Monday morning before coffee. 🙄

Is it basically the same structure as the double star but about 8 times instead of two?

Smarties 😊

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Mountain Man

Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Mon Apr 19, 2004 8:54 am Post subject:

QUOTE

afefawf hope you can r ead this im typing with bnoth eyes close 🙄

cant wont just wont open my eyes ....and you thought I was saying wont do it \*grin\* eh I ahve not look but maybe a nice one eh Cliff ??? should I look 😊 😡

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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KiteSquid

Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Mon Apr 19, 2004 9:11 am Post subject:

QUOTE

Grant,

Where did that photo come from and who built it????

NICE....

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

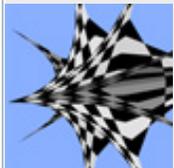
Posted: Mon Apr 19, 2004 12:34 pm Post subject: QUOTE

I Forget where I got it 😞 I'll search around tonight at home and see if I can't find it again. 😞

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon Apr 19, 2004 4:32 pm Post subject: QUOTE

Hi,

My friend Henk has a kite like this. You can see the pictures of the kite below the page.

<http://www.ucurtma.org/frejus2002page03.html>

This is the half of the kite. The kite also have purple panel. I'll try to find the picture of the whole kite.

Best Winds,  
Ferruh Baysu

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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
 2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Mon Apr 19, 2004 4:41 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>hi Ferruh ! that is probably the same kite ! you are looking at the back of the kite and red front of the kite you can see if you look good ! im pretty sure its the same kite ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p> <p style="text-align: center;"> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><a href="#">Back to top</a></p> <p><b>Kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p>Posted: Mon Apr 19, 2004 9:48 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Kitesquid wrote:</b></p> <p>Grant,</p> <p>Where did that photo come from and who built it????</p> <p>NICE....</p> </div> <p>I think it came from the same place as this picture. But it is outside, here.</p>



Dave Ellis  
Kites + Kids = Education

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Tue Apr 20, 2004 12:33 am Post subject:

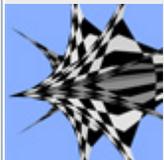
[QUOTE](#)

☹️ I can't find where I found the photo ☹️ I was surfing a last night and kept finding link within link. And now I'm not sure where the photo came from. I have a file of kite photos I add to whenever I see a cool kite online. the bad part is trying to go back and find where you got the photos from

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Tue Apr 20, 2004 2:19 am Post subject:

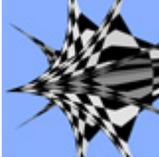
[QUOTE](#)

Yes, Grant they are the same kites.  
Now I remember that the picture you post is from Indoor Kiting Show(Holland). Here is the link.  
<http://www.home.zonnet.nl/redbaronkiteteam/dra03/dracht03.htm>

and a small picture with the purple panel on the back.  
<http://www.fryske-draeken.nl/fotos/Foto~6s.jpg>

Henk told me that it is to hard to construct the all three parts, so generally he flights only 2 parts(Green and Red).

Best Winds,  
Ferruh Baysu

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<p><b>Grant L</b> Kite of the Year 2004</p>  <p>             Joined: 16 Sep 2003              Posts: 1507              Location: USA IN              Indianapolis         </p>	<p> <input type="checkbox"/> Posted: Tue Apr 20, 2004 11:10 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Thanks spectre. That is the site I got them from 😊</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>KiteSquid</b> Master Kite Builder</p>  <p>             Joined: 29 Aug 2003              Posts: 6248              Location: USA Virginia King              George         </p>	<p> <input type="checkbox"/> Posted: Tue Apr 20, 2004 11:53 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Thanks Ferruh and Grant. Good job guys!!!</p> <p>I like that kite especaily with the third set of pannels added...</p> <p>Too cool!!!!!!</p> <p>I would love to fly it!!!!!!</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>spectre</b></p>  <p>             Joined: 11 Nov 2003              Posts: 114              Location: Ankara, Turkey         </p>	<p> <input type="checkbox"/> Posted: Tue Apr 20, 2004 5:06 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Hi, Kitesquid</p> <p>This kite is a low flyer, needs too much wind and pulls too much(without the purple panel). We flight the kite only 2-3 minutes in 2002 Frejus Kite Festival but there was not enough wind in 2003. Come to Frejus in 2004, probably Henk and his kite will be there.</p> <p>Best Winds, Ferruh Baysu</p>
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## smarties



Joined: 05 Nov 2003  
 Posts: 1791  
 Location: Dieppe, NB,  
 Canada

Posted: Fri Apr 23, 2004 11:09 pm Post subject:

QUOTE

EDIT

A few months ago, I bought a book on kites written by Jean-Philippe Ritter. In his book he shows how to build various classic kites. Very good book, but in French.

He has a simple way of doing a "tinkertoy". Because of copyrights, I can't post a copy of the page but I will try to describe it.

To build the "tinkertoy" of an hexagonal kite, he uses a piece of plywood (1/4" or 5mm) that he cut in a hexagonal shape (6 sides). Then, from each corner towards the middle, he cut, with a jigsaw, a slot about 2/3 of the radius and the width of the tube that will hold the spar. At the end of the slot, he let a little bump that will end-up inside the end of a piece of tubing to hold it there.

#### Sketch

He then inserts an aluminium tube in each slot and tie it down with a piece of wire close to the entrance point. The tube sticks out about 1 inch. Then he poured epoxy all along the tubes on each side. The spars can then be inserted in the tubes once the epoxy is dry.

Anyone followed me? His kite was just about 5ft diameter (160cm). I'm not sure if this method would be strong enough for a larger kite but I thought it could trigger some new ideas.

Smarties 😊

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## KiteSquid

Master Kite Builder



Joined: 29 Aug 2003  
 Posts: 6248  
 Location: USA Virginia King  
 George

Posted: Mon Apr 26, 2004 10:39 am Post subject:

QUOTE

I got it!!!!

Simple yet elegant...

I still prefer the Kite Studo Tinkertoys as I really LOVE machined plastic parts, but the plywood version has great merit.

if the tube that he epoxyed into the hex was the same OD as the thickness of the plywood or less, you could epoxy another piece of wood to the outside of it to add strength, but more mass.

or add more holes and more wire to act as whipping.

Add Microballons to your epoxy to reduce its weight without decreasing its strength.

Be sure to coarse sand the outside of the tubes to give the epoxy more surface area to bond to.

VR/

KiteSquid

AKA TakoIka

AKA Harold

King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon Apr 26, 2004 11:23 am Post subject: Wood tinker toy

[QUOTE](#)

Yep I agree with harold ,has lots of merit . I would prefer epoxy but a type that we have down here called J-B WELD ( brand name ) or one called P C- 7 (brand name) found in places like home depot ECT. The products are two part mix 50/50 , The material is thick paste . When cured you can grind it drill it ,tap it , and its good to bond almost anything except teflon type mtl.s. It makes good fillets in corners. Just thought i'd pass this on. Dont know if stevef has any .

CLIFF

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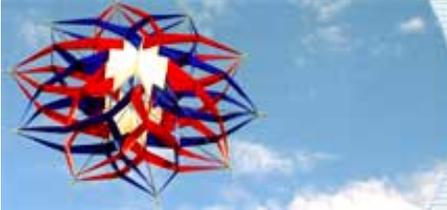
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Author	Message
<p><b>KiteSquid</b> Master Kite Builder ★★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Mon Apr 26, 2004 11:31 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>CJQ, Those are metal filled epoxies..... JB Weld PC-Products Great for maching after they cure!!!! Strong and I thing both are waterproff too.</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 😞 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>Steve D</b></p>  <p>Joined: 02 Sep 2003 Posts: 996 Location: USA GA Newnan</p>	<p><input type="checkbox"/> Posted: Thu May 06, 2004 11:33 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>How are the double stars coming along these days? Haven't heard much the past week or two?</p>

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<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003  Posts: 1359  Location: Canada, Nova Scotia, Halifax</p>	<p> <input type="checkbox"/> Posted: Thu May 06, 2004 11:49 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>I am still working on mine.. The rods and center tinker toy have arrived. I just have to meet up with MM to get them 😊</p> <p>--Bill</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a>  <a href="#">MSNM</a> </p>
<p><b>Mountain Man</b>  Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003  Posts: 1093  Location: NB Canada</p>	<p> <input type="checkbox"/> Posted: Thu May 06, 2004 12:55 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>a few pics first in my sewing room (my kitchen) ... 😡 <input type="checkbox"/></p> <p>now this showing the end pieces !  <input type="checkbox"/></p> <p>showing a closeup again 😊 <input type="checkbox"/></p> <p>this showing the center piece done by Tony and Stevef works very well thanks ! 😊</p> <p><input type="checkbox"/></p> <p>now lets go out side !</p> <hr/> <p>Bernie  the Mountain Man  Paint the sky...  "Fly a Kite!"</p>
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<p><b>Mountain Man</b>  Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003  Posts: 1093  Location: NB Canada</p>	<p> <input type="checkbox"/> Posted: Thu May 06, 2004 12:59 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>ok could wait had to try it out in the sunlight to see what it would look like ! remember that is only the first half !</p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <hr/> <p>Bernie  the Mountain Man  Paint the sky...  "Fly a Kite!"</p>
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<p><b>stevf</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2194 Location: USA PA ALLENTOWN</p>	<p><input type="checkbox"/> Posted: Thu May 06, 2004 3:11 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>looking good Bernie! Glad you like the tinkertoy.</p> <p>I took pictures of CJO's but dont know if he wants me to post them ?! 😊</p> <p>Havent heard from Cliff in a while..... wonder what he's doin?</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! 🛠️</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Thu May 06, 2004 3:44 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Cliff is probably busy trying to finish his DS before me 😞 now there was another one that said he would do one .... thats Gary and we have not heard from him ????? any one else building a double star ? beside Mr Wilson ?????</p> <p>yes stevf that centerpiece is working just beautifully ! well worth the price and the waiting ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>Steve D</b></p>  <p>Joined: 02 Sep 2003 Posts: 996 Location: USA GA Newnan</p>	<p><input type="checkbox"/> Posted: Thu May 06, 2004 4:24 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I'm planning to. Probably late summer or in the fall. Who knows, maybe I'll get a burst of creative energy and try to get one done before we head to the beach in July.....</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Thu May 06, 2004 6:05 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I plan on building one too. I was just getting to PM Steve to see if the tinkertoys were ready, but from other posts I see they are. I plan on sending in an order this weekend for a bunch of stuff, including the hub/spars for the DS. Looking really good Bernie. Gets me motivated to get my supplies ordered. 😊</p>
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**Charles Bojarski**

Kite Builder II



Joined: 26 Sep 2003

Posts: 341

Location: USA PA

Philadelphia

Posted: Thu May 06, 2004 8:01 pm Post subject:

[QUOTE](#)

Bernie:

Everything look GREAT!! Your wife must really love you to let you set that star up in her kitchen.

Can't wait to see the finished product and see it flying.

Good winds....Charlie

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Author	Message
<b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006   Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA	<input type="checkbox"/> Posted: Thu May 06, 2004 10:16 pm    Post subject: Double Star <span style="float: right;"><input type="button" value="QUOTE"/></span> <p>Hi guys , Thanks for asking about me . The Star is on the middle burner right now. I just mentioned in whats on your mind that i'm working and filling in for a vacationing employee at my sons place of business . I'd rather be building kites . The Star is coming along the first section is finished just like Burnies . The remaning 70 panels to make the second section are all cut and edge bound. the tips of the star now have the triangular loops sewn in . The nylon adjustable end caps for the radial 10mm rods are complete . All I need now is some time . This weekend looks good .YES STEVE, you can post the pics. that you took of the star on your front lawn . You know it is a difficult thing for me to do .eh.</p> <p>Bernie you beat everybody again with the biggest and bestes. Good for you . What will you call it ? I havent named mine yet .</p> <p>Hey anybody , Who's making one of these stars??? Let me say this is one great kite .Its not a difficult kite to build all the sewing is straight sewing.</p> <p>I did some calculations on how many yds. of fabric I think its maybe 10 to 12. Very little waste . When its done the kite would be worth many hundred dollars . but the important point is its bueatiful and unusual and you can be a proud builder. I saw a post showing a picture of three in the air and had serious thoughts of making two more. Kiders are crazy ,Well maybe some.</p> <p>Regards</p> <p>CLIFF</p>
<a href="#">Back to top</a>	<input type="button" value="PROFILE"/> <input type="button" value="PM ME!"/> <input type="button" value="E-MAIL"/>
<b>Mountain Man</b> Kitebuilder of the Year 2003   Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada	<input type="checkbox"/> Posted: Thu May 06, 2004 11:05 pm    Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span> <p>well I guess I am too cause I have been thinking of that same thing build more than one ! im thinking of that for sure !</p> <p>_____</p> <p>Bernie            the Mountain Man            Paint the sky...            "Fly a Kite!"</p>

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<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Fri May 07, 2004 3:38 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Hi, Bernie</p> <p>You have a very big sewing room. Our kitchen is too small to sew. Very nice colors. But you must be faster otherwise Cliff will finish before you.</p> <p>Cliff, we are waiting for your kites photos? What is the color of your kite? Is this a secret?</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>   <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Fri May 07, 2004 8:23 am Post subject: Double Star Colors <a href="#">QUOTE</a></p> <hr/> <p>Hi Spectre , No the colors are not a secrete . They are light blue and dark purple . What is different is the grafic design . The center core panel #1 is purple and then the colors alternate and form the grafic into A flower pedal . There are 5 blue and 5 purple pedals . the only pictures now stevef took and he said he would post . But the pics. are only the front section thats finished .</p> <p>Bernie is the master of speed and beauty ,however we are all going to catch up to him. Some day!!</p> <p>Regards</p> <p>CLIFF</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>   <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Fri May 07, 2004 8:38 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Stevef looking foward to seeing Cliff's double star ! that will be just super ! im just a retired old fart .... Cliff is a master kite builder ..... we know it will be a great flyer and a colour full flower ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Fri May 07, 2004 9:42 am Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>MM, do you think you will have your double star ready for Sunday?</p> <p>Smarties 😊</p>
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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA  
ALLENTOWN

Posted: Fri May 07, 2004 12:30 pm Post subject:

[QUOTE](#)

CJQ's Double Star:



Three more pictures are in the Notebook Album...

Looking Good!

**Steve Ferrel**  
[Kite Studio - Go Build a Kite!](#)  
Measure once, buy twice! 

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Sat May 08, 2004 1:57 pm Post subject:

[QUOTE](#)

here is assembling of the double star my way 😊 I say that cause I might be the only one with that system !

pushing spars one at a time !  
now showing the spar in the tip casing

now closing the tip! 😊

showing the top of the kite .....

a side view !

looking like a flower ... the kite that is

3/4 view of the kite still have to make the harness ! hoping to fly tomrow !

Bernie  
the Mountain Man  
Paint the sky...  
["Fly a Kite!"](#)

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**CJQ**  
 Grand Champion, Kitebuilder  
 of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA -  
 USA

Posted: Sat May 08, 2004 2:51 pm Post subject: Double Star

[QUOTE](#)

B E R N I EEEEEEEEE!!! That is superific Great going I'm happy for you. Auuusuum !! the colors pop . I took notice you signed it MM on the blue sail . How did you bridle it . Whatt did you do for the spine fitting.? Hey I noticed Do you realy live up in the mountains ? it looks like your standing on a gravel roadway .eh.  
 When does it fly? Bernie talk to us !

CLIFF

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**Mountain Man**  
 Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
 Posts: 1093  
 Location: NB Canada

Posted: Sat May 08, 2004 3:11 pm Post subject:

[QUOTE](#)

yes Cliff I really do live On the Caledonia Mountain in New Brunswick Canada ! and yes that is gravel road !

had to borow 2 yards of rasberry from Imagin in order to finish it ! now I have not bridle it yet will do that shortly ! might have to cut the spars by about a inch each! cause right now the end pieces I did just barely close ! 😞 so if I was to remove a inch on each one it would work better ! but will fly it this way first just to be sure !  
 when will it fly .....tomorow at our sunday flying ! and yes pictures will be taken !

yes I will start using the MM on all my kites might even add it to the older kites ! and yes Cliff I have a smile on my face for sure ! that is a lot of sewing ! a bit tricky to assemble for the first time but now I got it down path! 😊

\_\_\_\_\_  
 Bernie  
 the Mountain Man  
 Paint the sky...  
 "Fly a Kite!"

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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<div style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></div> <p>Posted: Sat May 08, 2004 3:58 pm Post subject:</p> <hr/> <p>MM, I really like your choice of color. 😊 I didn't plan to go to the flying field tomorrow because of mother's day but I may still drop in for a few minutes to see this magnificent double star kite, that if my better half agrees. 😊😂 She had the whole weekend to herself to do what ever she wants. Yesterday was her birthday and tomorrow mother's day.</p> <p>What time do you plan to be there so I can start negotiating? 😊😊😊</p> <p>Smarties 😊</p>
<p>Back to top</p>	<div style="text-align: center;"> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a> </div>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<div style="text-align: right;"><a href="#">QUOTE</a></div> <p>Posted: Sat May 08, 2004 4:13 pm Post subject: D.S.</p> <hr/> <p>OH GOOD cant wait for your flight pic's. I dont remember if I had mentioned that when I set up the front sections at steves the 10mm rods were a little short for me. Probably the way I made my joints. Rather than peiceing and glueing extensions on each rod steve ordered 10mm rods at 5 ft 3 in long. thatshould do the job for me . Oh man I am as thrilled as you about tomorrow. This will be the first Double Star flown on the North American Continent .YES!</p> <p>CLIFF</p> <p>PS. Smarties you better show up tomorrow and get some pic's. also . Tell your wife this is a momentis occasion that you cant miss. eh.</p>
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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Sat May 08, 2004 5:31 pm Post subject:

[QUOTE](#)

wow ! did the bridling just as Spectre instructed on his site! then went out and tried it !  
WWWWWWWWoowwwwwwwww ! it went up above the power line \*yurk \* was sure of a fiasco but  
no she sat there very nicely so I brought her down as I was a bit too close to powerline Like  
(10feet) so for safety reason .....I was a bit chicken too much work..... but boy does that kite  
wants to fly ! No pic as batteries are being recharge for tomorow ! sorry!

Smarties well Peggy says I will be there around 11pm and probably leave around 3 or more LOL not  
sure ! ok now I have to make a bag for it !

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**CJQ**  
Grand Champion, Kitebuilder  
of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Sat May 08, 2004 8:39 pm Post subject: D.S.

[QUOTE](#)

Bernie , did you put the bridle at 10 oclock and two oclock and the third point on the spine?

CLIFF

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Sat May 08, 2004 9:56 pm Post subject:

[QUOTE](#)

no I put it at 7 and 5 and the top of kite ! that is what I understood and it worked good ! 😊

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA  
ALLEN TOWN

Posted: Mon May 10, 2004 11:45 am Post subject:

[QUOTE](#)

Congratulations Bernie! Fantastic looking kite!

7 and 5 o'clock.... See Cliff, I thought it should be bridled at the bottom! 😊

Steve Ferrel  
**Kite Studio - Go Build a Kite!**  
Measure once, buy twice! 🐱

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Mon May 10, 2004 12:14 pm Post subject:

QUOTE

It only takes me one time to tie on a bridle..... 😊 7 and 5 O'clock... ?

Is that AM or PM????? 😊

Sorry but I could not resist it....

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

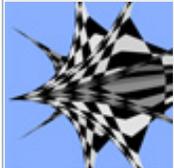
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P.P.P.P.S. Please excuse my spelling.....

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon May 10, 2004 1:38 pm Post subject:

QUOTE

MM is right.  
The tow point of the bridle will be 5 and 7 o'clock(bottom of the kite). And the third one is top of the spine. If the wind is too much and kite pull too much move the bridle a little bit up. The kite can fly with one point bridle. But it flights too low with one point bridle and wants to rotate.  
I hope this photo helps you.



MM, we are waiting for the pics.

Ohhhh I think I made a mistake when showing the bridle, I wrote center spar, it will be the spine. I'll draw a 3dimensional drawing of the kite. And make a more detailed description.

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Mon May 10, 2004 2:57 pm Post subject:

QUOTE

I knew what you ment ! I had no prob lem with your plans ! it worked very well ! now if I can have winds that are proper will do give you pictures of the flight ! 😊

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**KiteSquid**

Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Mon May 10, 2004 3:22 pm Post subject:

[QUOTE](#)

if you look in Into the Wind's 2004 catalog you will see the Lotus on page 34 or I am sure you can find it on their internet site...

Theirs is a 4 and a half foot size for \$55....

I dont know who manufactures it for them as I cannot find it at Go Fly A Kite, Premier, or New Tech's web sites.

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

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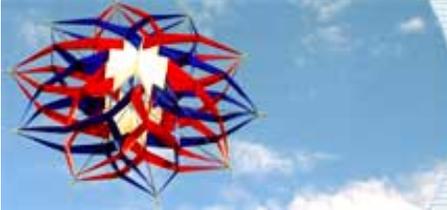
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# Kitebuilder.com's

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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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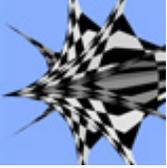
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Author	Message								
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Mon May 10, 2004 5:06 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Yes, I know this kite . If I am not remember wrong they are selling this kite more than 1 year ago. And it is made by "Flying Wings" from Taiwan. The outer panels are single peace. I thing they are making like that because it is too small.</p>								
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<a href="#">PROFILE</a>	<a href="#">PM ME!</a>	<a href="#">E-MAIL</a>	<a href="#">WWW</a>						
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<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Mon May 10, 2004 6:55 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I got one of the Lotus kites while in Seattle. I understood that it is made by the same folks responsible for making the Beetle sport kite.</p>  <p>Dave Ellis Kites + Kids = Education</p>								
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<p><b>Dennist3</b></p>  <p>Joined: 20 Feb 2004 Posts: 566 Location: USA, Virginia, HAMPTON ROADS</p>	<p><input type="checkbox"/> Posted: Mon May 10, 2004 8:24 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>AWSOME KITE MM!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!</p> <p>are you going for the 2004 forum kite of the year too?</p> <p>Dennis</p>								

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<p><b>Mountain Man</b> Kitebuilder of the Year 2003  Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Mon May 10, 2004 9:34 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>eh dont think so ! Cliff will have a nicer one and then Bill will do this and it will super nice ! .....now the dragon may have a go at it *grin* but that is too early ....many more kites to come before the end of the year ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>smarties</b>  Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Sun May 16, 2004 6:49 pm Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Finally we got to see MM double star in action. 😊 Wow, that kite is really beautiful, even without sunlight. MM, I sent you some pictures. Let me know if you got them. I was not sure about your email address. Smarties 😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003  Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Sun May 16, 2004 7:50 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>yes ! the double star went up without a hitch ! it was just a tremendous feeling of accomplishment ! we had very strong wind and gusty the no wind then up again ! well I must say when the ds fall out of the sky with no wind she is down in seconds .....but lands like a flying saucer very gently and always sitting up ! quite interesting .... was impress to say the least ! Flew in the rain .... but that did not slow us down ! we just kept on flying ! now im sure that Imagin and Smarties will show more pictures of all our kites in the air ! and Imagin's arch ! we enjoyed it ! I was flying with 100 ft of line ! I was using 300lbs but may have been a bit heavy ! Truly worth building ! Tony and Stevf that fitting is just superb ! thanks ! well designed and well worth its price ! now for the pictures taken today by Yvon *Smarties*</p> <p><input type="checkbox"/></p> <p>MM with the DS <input type="checkbox"/></p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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**CJQ**  
 Grand Champion, Kitebuilder of the Year 2006  
  
 Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA - USA

Posted: Sun May 16, 2004 9:19 pm Post subject: The D S QUOTE

Bernie , I wish I was there to shake your hand and say great job old chap !!! Truely well done . It's a bueatiful kite , be proud .

Regards  
 CLIFF

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**Mountain Man**  
 Kitebuilder of the Year 2003  
  
 Joined: 04 Sep 2003  
 Posts: 1093  
 Location: NB Canada

Posted: Sun May 16, 2004 9:42 pm Post subject: QUOTE

thanks .....I will repeat truly a kite to be recomended ! Spectre that plans you put on your website is realy suberb ! easy to read and to build ! the satifaction is so great ! im still on a high from flying it ! 😡 sore arms but other wise ready to start over !

the only change I did to the pattern is the end pieces ! I made my own with dracron and belting and it works super ....velco attachment permit to do quick adjustment to tension on the spars !

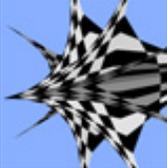
other wise ! supberb !

wow !

Bernie  
 the Mountain Man  
 Paint the sky...  
 "Fly a Kite!"

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**spectre**  
  
 Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Mon May 17, 2004 3:13 am Post subject: QUOTE

Great Job MM. I happy that you like the kite.  
 I want to use your end pieces photos on my plan. So peoples have different alernatives to make the kite. May I use?

And I am waiting some photos with blue sky and white clouds on the background.

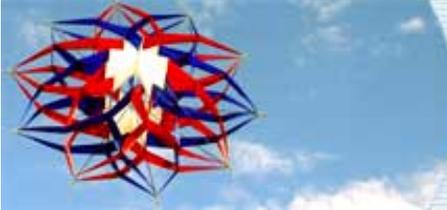
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**Grant L**  
 Kite of the Year 2004  
  
 Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN Indianapolis

Posted: Mon May 17, 2004 9:56 am Post subject: QUOTE

Beautiful Bernie 😊😊😊 Thanks for sharing along the way. Now the rest of us won't be intimidated and after seeing the photos are anxious to get started 😊



# Kitebuilder.com's

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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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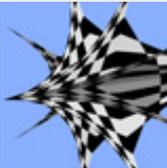
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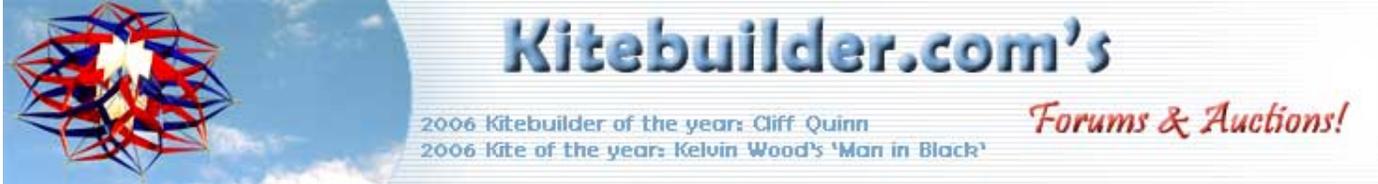
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Author	Message
<p><b>KiteSquid</b> Master Kite Builder ★★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Mon May 17, 2004 10:05 am    Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <hr/> <p>Another NICE kite!!!!!!!!!!!!!! </p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid.....  Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2194 Location: USA PA ALLENTOWN</p>	<p><input type="checkbox"/> Posted: Mon May 17, 2004 11:18 am    Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <hr/> <p>another fine job - congratulations Bernie! Also glad the fitting works.. wheew!</p> <p>spectre, doesnt it feel good to see your plan come to life??</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! </p>
<p>Back to top</p>	<p style="text-align: center;"> <input type="button" value="PROFILE"/>                   <input type="button" value="PM ME!"/>                   <input type="button" value="E-MAIL"/> </p> <p style="text-align: center;"><input type="button" value="WWW"/></p>

<p><b>KiteSquid</b> Master Kite Builder ★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p>Posted: Mon May 17, 2004 11:30 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I am SOOOOOOOO glad that Spectre decided to share his kite plans with the world!!!!!!!!!!</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p>Posted: Mon May 17, 2004 12:44 pm Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>I'm so glad I asked a question about this plan two months ago 😄😄😄</p> <p>Smarties 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p>Posted: Mon May 17, 2004 1:49 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>This is such a cool kite in the air, and it makes a great noise when you are standing near by... the wind hollowing through all of the facets is very very cool.</p> <p>You could see it from very far away and attracted a few spectators 😊</p> <p>WELL DONE BERNIE!</p> <p>--Bill</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p>Posted: Mon May 17, 2004 1:50 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Yes, smarties. You are the quilty. Everything began wthih you. I was in holiday when you submit and the drawings of the kite is resting in my harddisk. 😊 Thanks to you, to submitting this subject.</p> <p>Steve, I am very happy that my plan works well. I don't have a good english, and I am not a very good kite builder and also this iwas my first detailed plan. I was very worried about the plan work well or not. Now I see that everything is ok. But I'll add some three dimensional drawings to plan and also I want to add the pics from MMs and from others projects if they are accept. Because there is some alternatives for the end pieces.</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Mon May 17, 2004 3:26 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Spectre, Thanks to you for posting your double star in this forum. That's what triggered the whole thing. 😊</p> <p>Smarties 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Mon May 17, 2004 5:15 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Spectre thanks again and feel free to use any of the pictures or text you want on your page .... maybe even a reference to the Kitebuilder Online Forum! 😊 will keep looking at your page for more 😊 plans that would interest me !</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Wed May 19, 2004 6:15 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>more pics can be seen at my page for the double star !</p> <p><a href="http://www.macbern.bravepages.com/Double%20Star/Thumbnails.html">http://www.macbern.bravepages.com/Double%20Star/Thumbnails.html</a> Hope you enjoy! thanks to Peggy Imagin and Smarties for the pictures ! what a nice flying kite !</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>rbojarski</b> Master Kite Builder ★★★★☆</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Wed Jun 02, 2004 1:36 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>I was hoping to resist making this kite. I was real successfull until I saw the pictures of Bernie's kite and heard about Cliff flying his down at Wildwood this past weekend.</p> <p>Heard he was a real crowd pleaser and even got his picture in the local newspaper. Way to go Cliff.</p> <p>Anyway.....I ordered the spars, center hub and material today. Going to make the Double Star in the same colors as my Waldof box. Really liked the way that came out.</p> <p>I'm getting a late start on this project, but at least I can read all the excellant post Bernie and Cliff have made so I can pick up construction pointers.</p> <p>Ray Bojarski</p>
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Author	Message
<b>imagin</b> Kite Builder I ★★★★★  Joined: 22 Oct 2003 Posts: 330 Location: Moncton, NB Canada	<input type="checkbox"/> Posted: Wed Jun 02, 2004 6:28 am Post subject: <a href="#">QUOTE</a> <hr/> Way to go Ray. When Bernie started the project I had no particular inclination to make it, but wow, when I was there to see it fly I decided I'd better grab one of those centre pieces. I ordered it. Won't be making one right away but sure likely will down the road. <hr/> Knowledge is limited. Imagination encircles the world.
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a> <a href="#">ICO</a>
<b>rbojarski</b> Master Kite Builder ★★★★★  Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington	<input type="checkbox"/> Posted: Thu Jun 03, 2004 11:58 am Post subject: <a href="#">QUOTE</a> <hr/> Well, I'm committed to making the kite after ordering all the parts for it. Now I have all the cutting and hemming to look forward to before it starts to look like a kite. Not quite sure I want to cut and hem over 160 separate pieces, but it sure looks like the result is worth all the effort.  I'm going to take my time on this, so I probably won't be getting it in the air anywhere near as quickly as Bernie or Cliff did.  I do appreciate all the posts that Bernie and Cliff made on there progress and construction tips.  Ray Bojarski
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<b>Mountain Man</b> Kitebuilder of the Year 2003  Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada	<input type="checkbox"/> Posted: Thu Jun 03, 2004 12:32 pm Post subject: <a href="#">QUOTE</a> <hr/> ray ..... I know its lot of material to handle and hem but one consolation is the fact that all the pieces at that point are small and easy to handle !  the problem starts when you start assembling ! then you hve to be more carefull as its very easy to sew the wrong peice at the wrong place ! 😞 done it .....so I know what its like ! 😊 but all this work is really rewarding ! I mean it ! you will enjoy the work you put in it as it goes up ! it really is difficult to use words to describe the feelin as im sure Cliff can say the same !  have fun and we will gladly help if we can ! looking foward to your pics as you assemble !   <hr/> Bernie the Mountain Man Paint the sky...

"Fly a Kite!"

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**rbojarski**  
Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn, Washington

Posted: Thu Jun 03, 2004 11:56 pm Post subject:

[QUOTE](#)

Bernie....Thanks for your generous offer of help.  
I'll keep you both posted as the assembly begins.  
  
Ray Bojarski

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006

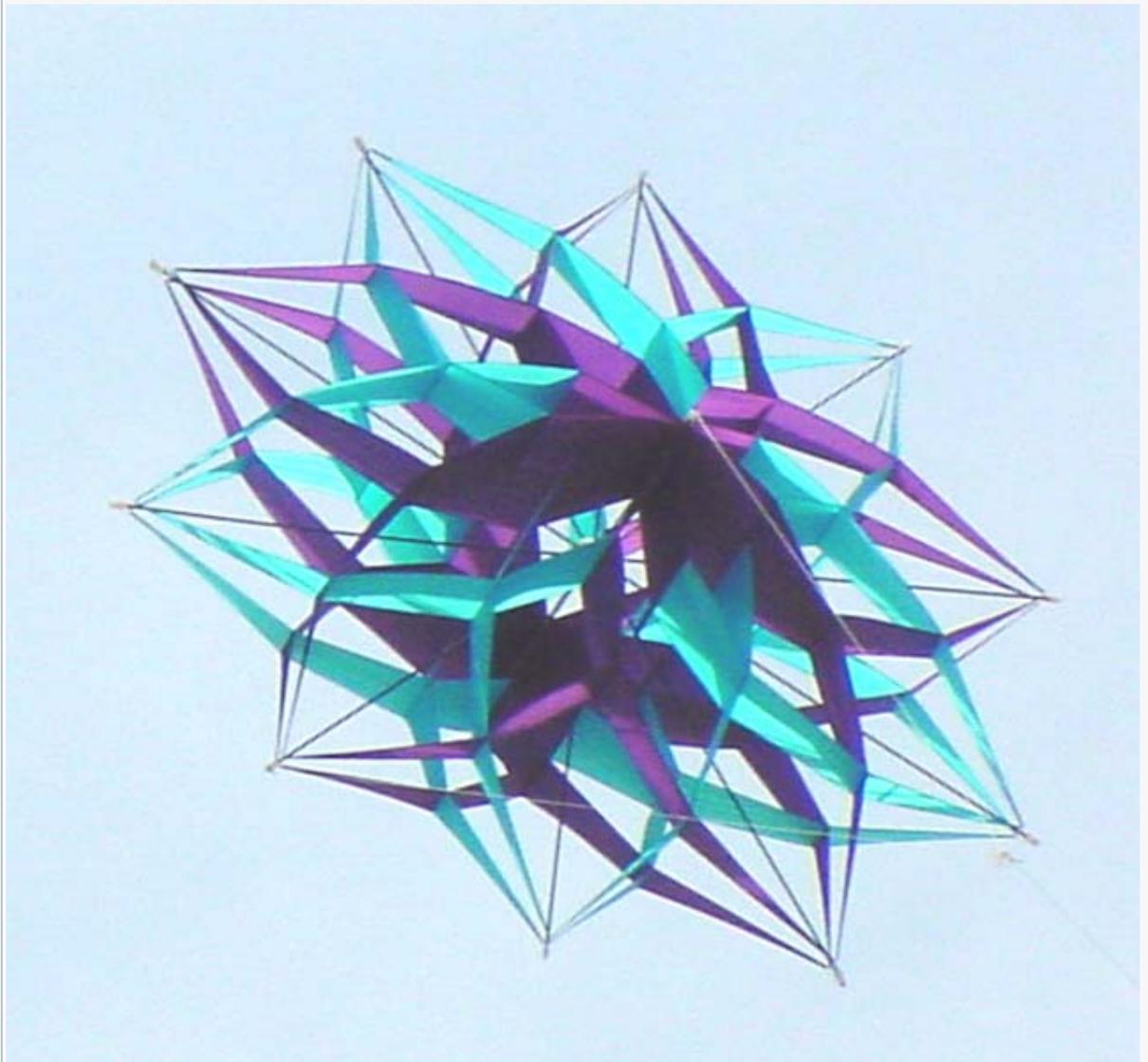


Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

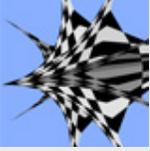
Posted: Sun Jun 06, 2004 11:14 pm Post subject: Doublestar 1st flight

[QUOTE](#)

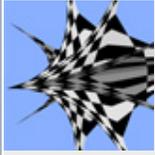
Completed the Doublestar Tuesday before Wildwood Festival. The star flew right out of the box. The only adjustment required was to set the 3rd bridle leg to control the attack angle.  
Bernie, The Mountain Man, said it was a thrill to see his Doublestar kite fly for the first time. I couldn't understand his excitement until my star soared into the air.  
Anyone thinking about building a Doublestar stop thinking about it - just do it so you can experience the same thrill.



Regards,

	Cliff
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<b>spectre</b>	<input type="checkbox"/> Posted: Mon Jun 07, 2004 4:14 am Post subject: <a href="#">QUOTE</a>
	<p>Hi, Cliff</p> <p>I like the colors too much. And your pattern is different. I put the pics of doublestar(yours and Bernies) to web page(bottom of the doublestar plan).</p> <p>Best Winds, Ferruh</p>
Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey	
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<b>Mountain Man</b>	<input type="checkbox"/> Posted: Mon Jun 07, 2004 10:50 am Post subject: <a href="#">QUOTE</a>
Kitebuilder of the Year 2003  	<p>thanks Spectre for putting my page of the double star ! and thanks again for putting up you plan ! Looking foward to the next plan you will put up !*hint* *hint* 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada	
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<b>wdrwilson</b>	<input type="checkbox"/> Posted: Mon Jun 07, 2004 11:23 am Post subject: <a href="#">QUOTE</a>
	<p>Great looking kite Cliff!!! The color scheme works really really well!</p> <p>--Bill</p>
Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax	
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<b>conklincomputer</b>	<input type="checkbox"/> Posted: Thu Jun 24, 2004 9:48 am Post subject: <a href="#">QUOTE</a>
	<p>Ferruh, Bernie, and Cliff,</p> <p>I'm beginning work on my own double-star. My question is this: Which section (A being the inside and D being the outside) seems to be the most prominent? It seems to me from looking at the pictures that the B section stands out the most, it uses the most fabric, but I'm curious from the point of view of those who have actually made and flown the kite which part of the kite stands out the most. Basically it's so I can plan my colors.</p> <p>Thanks!</p> <hr/> <p>Marc 1/2 of Airborne Virus and RAF webmeister <a href="http://www.richmondairforce.com">http://www.richmondairforce.com</a></p>
Joined: 12 Jan 2004 Posts: 81 Location: Midlothian, VA	
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spectre



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Thu Jun 24, 2004 11:10 am Post subject:

QUOTE

Marc,

I think it changes which colors are you using. I used orange(Panel B) and Red(Panel C) . They are similar colors but in the air orange seems more prominent, may be because of orange is more bright. It is the same in the sideview. When you look at from side, the red(C) seems more but the orange(B) more prominent.You can look at my kites sideview. <http://www.ucurtma.org/images/mykitebag/starbox/002.jpg>

I used a black on D to give a boundary to kite. But lots of peoples used white or lightblue. You know the color combinations of Bernie and Cliff.

Also you can use more than one color in panels. You can make same color more than one panel for exaple one and a half.

there is some other color combinations.

<http://www.ucurtma.org/images/festivals/frejus.2002/day3/32.jpg>

<http://www.ucurtma.org/images/festivals/frejus.2002/day1/26.jpg>

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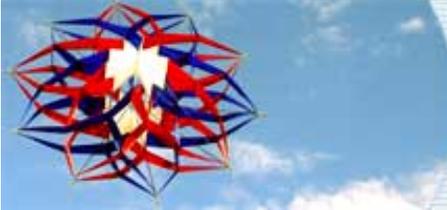
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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Fri Jul 09, 2004 8:49 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>I'm just getting ready to order spars and tinkertoy from Steve. Bernie and Cliff, do you think the 0.60 oz Toray would be strong enough? I ordered a bunch and was thinking about using it with <a href="#">Design Master</a> paints to get a color scheme I wanted. I just wanted to get some opinions from those that have already built one 😊</p>
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<p><b>rbojarski</b> Master Kite Builder</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Fri Jul 09, 2004 8:58 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Grant.....I'm also in the process of building a double star. The kite does require a lot of material. I 've assembled parts A and B, and have just started cutting out part C. You probably need at least 15 yards of material for all 140 panels. You might get by with a little less if you can cut out all the panels as efficiently as the one picture showed. I allowed a little waste around each panel to make cutting a little easier. I'm probably wasting about 1/2 yard per color. That said, I've never used <a href="#">Design Master</a> paint. How many yards of material can you paint per can of the paint? Make sure you have enough before you get started spraying.</p> <p>Ray Bojarski</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Fri Jul 09, 2004 9:37 am    Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Grant, Mountain Man is gone to Oregon for a kite festival this weekend. I've seen his double star flying and I didn't notice any large tension point on the fabric while it is flying. The briddles are attached to the spars and not to the sails. Usually most of the strain is at the briddles anchoring points. I don't know how though 0,6 Toray. I think Bernie used 0,7 <a href="#">Ripstop</a>. Maybe Stevef can confirm this?</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Fri Jul 09, 2004 10:02 am    Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>I had bought a bunch of the Toray for a pyro delta but had second thoughts with all the talk about the tail twisting problems. The only concern I have with the paints is the sail becoming opaque. I wanted to have the sun shine through but was not sure if, even light coats would make the sail opaque. 😊 I thought that the white wouldn't need much paint. I had planned on the colors blending into each other so I am not concerned with getting perfectly even colors.</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Fri Jul 09, 2004 10:07 am    Post subject: Double Star</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Hi Grant L , yup Bernie is at a kite festival in newport RI. this weekend . Hopefully we will fly our stars side by side when we get together. As for your question about the toray , I think it will be ok , the tension on the sail is determined by two things, the amount of tension at the star tips with the adjustable pockets and the wind force. Each can be controled , the latter by the attack angle.I also think that good strong edge binding is important, as the star tips come to a narrow point and the edge binding provides significant strength .</p> <p>grant glad your taking on the project ,it truly is a wonderful kite , very impressive in the air and a kite you can work while its flying . One of the neat things you can do is let line out to cause the kite to drop and when it nears the ground you pull on the line quickly to make the kite rise rapidly, the star sounds like a jet engine. The spectators love it.</p> <p>Talk to you when you get back, btw steve f and I are going together he'll probably ship your stuff when we get back on tues.</p> <p>Regards Cliff</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a></p> <p><a href="#">E-MAIL</a></p>

<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Fri Jul 09, 2004 12:44 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Cliff....don't forget your camera, and get plenty of shots to post in the album. I want to see pics of the double stars flying together.</p> <p>Ray Bojarski</p>
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<p><b>Charles Bojarski</b> Kite Builder II ★★★★</p> <p>Joined: 26 Sep 2003 Posts: 341 Location: USA PA Philadelphia</p>	<p>Posted: Fri Jul 09, 2004 1:23 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Cliff:</p> <p>Don't you and Steve go getting into any trouble up in Newport!! Leave the suds alone!!</p> <p>Other than that have a great time. Will be looking for picture, too.</p> <p>Good winds....Charlie</p>
<p>Back to top</p>	<p>PROFILE PM ME! E-MAIL</p>
<p><b>kiteguy</b> Kitebuilder of the Year 2005 ★★★★★</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p>Posted: Mon Jul 12, 2004 12:59 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>smarties wrote:</b></p> <p>A few months ago, I bought a book on kites written by Jean-Philippe Ritter. In his book he shows how to build various classic kites. Very good book, but in French.</p> <p>Sketch</p>  </div> <p>My daughter is living in Paris. A year or two she bought me a kite book from France. I liked it a lot and asked her to find another one. For my birthday she sent a copy of Jean-Philippe Ritter's book. I did not realize it was the one you mentioned until I came across the drawing for the "tinker toy" fitting. 😊</p> <hr style="width: 20%; margin-left: 0;"/>  <p>Dave Ellis Kites + Kids = Education</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p>Posted: Mon Jul 12, 2004 4:07 pm Post subject: <span style="float: right;">QUOTE EDIT</span></p> <hr/> <p>kiteguy, How do you find this book? I found some interesting ideas in this book.</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>

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<p><b>KiteSquid</b>  Master Kite Builder  ★★★★★</p>  <p>Joined: 29 Aug 2003  Posts: 6248  Location: USA Virginia King George</p>	<p>Posted: Mon Jul 12, 2004 4:11 pm   Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I to am interested in obtaining almost any kite book.....</p> <hr/> <p>VR/  KiteSquid  AKA TakoIka  AKA Harold  King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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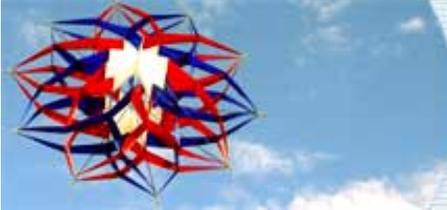
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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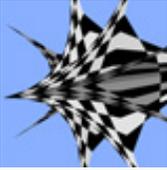
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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Fri Jul 23, 2004 10:53 am    Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>My computer died so I can't sit at home trying to figure out the color scheme, so I'm still getting my order together. One thing I am concerned with is the ability to travel with the kite, ( Five foot spars 🙄 ) I wrote to Bernie and he said that the kite is heavy overall and you need to be sure it is sturdy enough for landings. He also thought that it was best to allow the center hub to move up and down the center spar. I was considering making the center spar 3 piece so the center section is clear of obstructions, ( with internal and possibly external <i>Ferrels</i>.) and the horizontal spars 2 piece, ( with external and possibly internal <i>Ferrels</i>.) I don't have any experience with this type/size of kite. Bernie stressed that the spars have to be strong. Any other advice/comments ? Am I better off just leaving the spars one piece and living with it ?</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a></p> <p><a href="#">E-MAIL</a></p>
<p><b>rbojarski</b> Master Kite Builder</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Mon Jul 26, 2004 1:22 pm    Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Grant...I'd recommend leaving the spars in one piece. If you make the spars multiple pieces to shorten the lengths, then you still have to deal with rolling up all the material that makes up the front and back of the star. You'll either end up with a somewhat longish, fairly fat bag to transport the kite, or a shorter and extremely fat bag to hold the kite. Gathering up all the material for storage may be a problem if you have shorter spars. But that's. my thoughts. I have parts A, B, &amp; C all done and assembled. Getting ready to start cutting and making all the part D sections. So far its a hand-full wrapping up the two sections of the 3/4 assembled kite.</p> <p>Ray Bojarski</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a></p> <p><a href="#">E-MAIL</a></p>

**spectre**  
  
 Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Tue Jul 27, 2004 3:47 am Post subject: QUOTE

Hi, I also recommend to use spars one piece except the center spar. I made it two piece. So I can take out ferrule and carry it separately. And bag becomes thinner.  
 I am cutting from the mid of the spar one piece is longer than the other one. Short part has the ferrule and the long one has a stopper.

In my opinion 1.5meter/5ft is not too long. I have 1.75meterspar/6ft spars. And I am also happy with them. I don't have any problem when carrying.

Best Winds,  
 Ferruh Baysu

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**Grant L**  
 Kite of the Year 2004  
  
 Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN Indianapolis

Posted: Sun Aug 15, 2004 11:51 am Post subject: QUOTE

Back from vacation and my spars are waiting for me on the porch 😊 I put them together with the hub to see how big the kite will actually be and WOW 😱 I am starting to make templates and was wondering how to print the PDF files from Spectre's site out onto normal size paper, ( if there is a way 😊 ) Could some one let me know if it's possible and how 😊 Thanks

PS After all the input, I've decided to go with one piece spars 😊

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**CJQ**  
 Grand Champion, Kitebuilder of the Year 2006  
  
 Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA - USA

Posted: Sun Aug 15, 2004 2:47 pm Post subject: Double Star Templates QUOTE

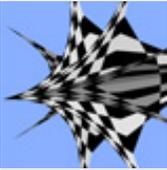
Hi Grant .  
 Wish I could help you with the pdf stuff, but thats way beyond my brain.  
 I took the (american ) template version line drawing and did a layout on some thin alu. flashing and cut the templates with a wallboard knife. All straight cuts and very simple. I rounded the dimensions to the nearwst simple fraction. You dont need a micrometer to cut Ripstop . Only thing you must do is be consistant. The panel inner edges are parrallel to the edge on the oposite side. Panel # 4 is 22.9 in. from the base . Panel # 2 is 14.07 in from the base. When I printed out the plan the 2nd and 4th panels were croped for some reason ,maybe not for you .

Wise decision to go with single peice spars!  
 Need some help come on back.

CLIFF

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**spectre**  
  
 Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Mon Aug 16, 2004 10:39 am Post subject: QUOTE

Hi, Grant

Do you want to fit the whole document to A4/Legal size paper or do you want to print them partially and then make a 1:1 scale pattern.  
 Tell me what you want and the size of paper, so I can send you new pdf files.

Best Winds,  
 Ferruh Baysu

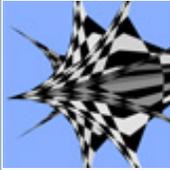
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**spectre**

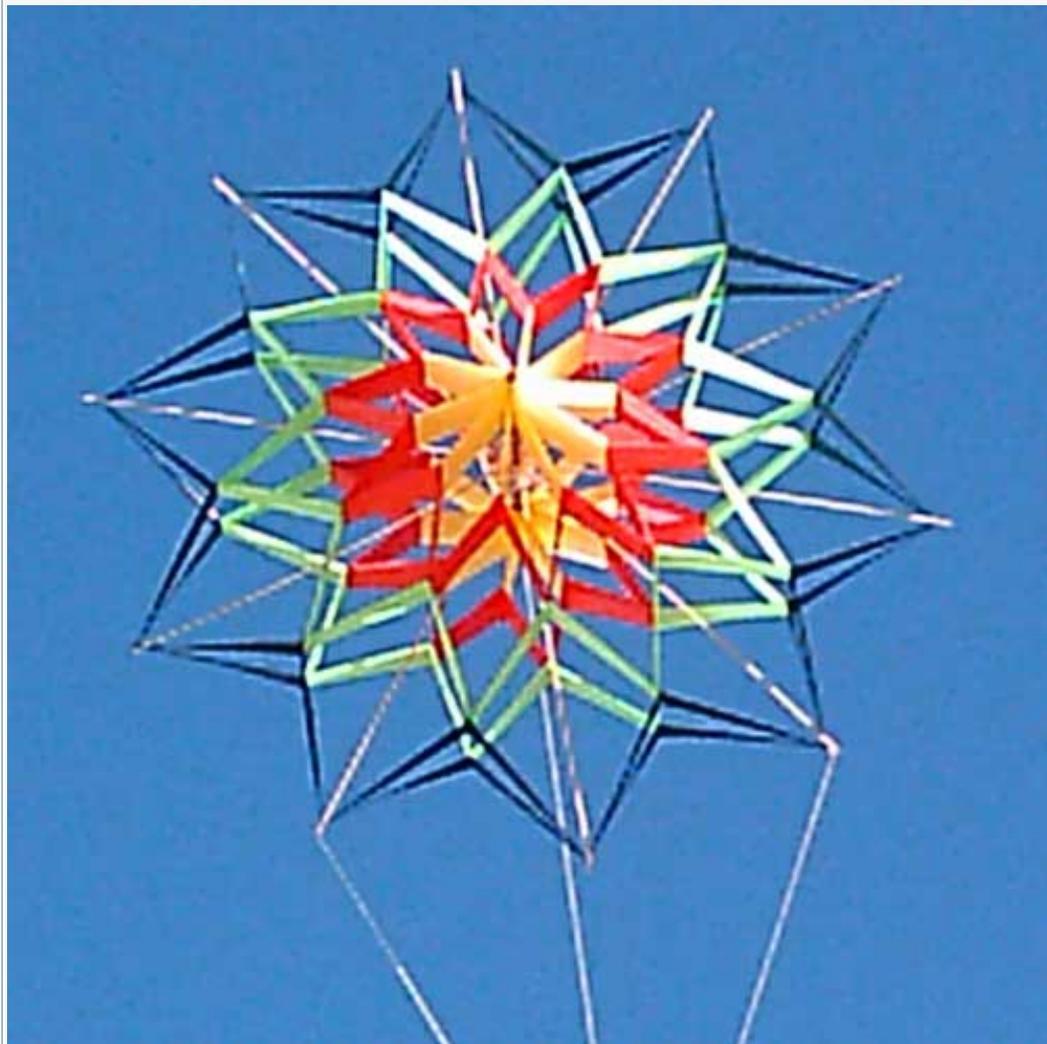
Posted: Thu Aug 26, 2004 6:24 am Post subject:

[QUOTE](#)



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Here is a new Doublestar made by Leandro from Brasil.  
This one is a halfsize(1.5meter) and made by bamboo and paper.



Best Winds,  
Ferruh Baysu

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**CJQ**  
Grand Champion, Kitebuilder  
of the Year 2006

Posted: Thu Aug 26, 2004 8:02 am Post subject: Double Star --Paper/Bamboo

[QUOTE](#)



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

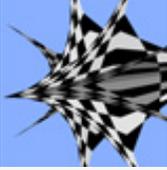
Hi Ferruh, Thanks for the picture. Did you see the kite yourself? It amazes me that the material is paper . The joining points of the panels have stress in directions that cause extreme shear. I'm wondering how that was overcome? Can you comment. Was the hub made like yours? How about the pockets?

Wait for your comments

CLIFF

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**spectre**



Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Thu Aug 26, 2004 2:49 pm Post subject: [QUOTE](#)

Cliff, I didn't see the kite. I take an e-mail in portuguese language. I translate it to english using bablefish. I ask some questions Leandro in English, and take answers in Portuguese. And traslate it to English again. In his e-mails he wrote he made with paper nad bamboo (in Portuguese).

I don't know how it is made it but according to me joining points will be ok when using [Double Face Tape](#). I am using [Double Face Tape](#) and acetate paper on my paper kites to strength. It works fine. I think you do the pockets in same way.

---

Best Winds,  
 Ferruh Baysu

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**Grant L**  
 Kite of the Year 2004



Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN Indianapolis

Posted: Thu Aug 26, 2004 7:02 pm Post subject: [QUOTE](#)



Got my templates made from " flashing" aluminum and started doing the cutting. I have all of the center "A" pieces cut out and will start on the rest tonight. I'm aligning the line along the length of the template with the fabric. I'll post more photos as I progress 😊

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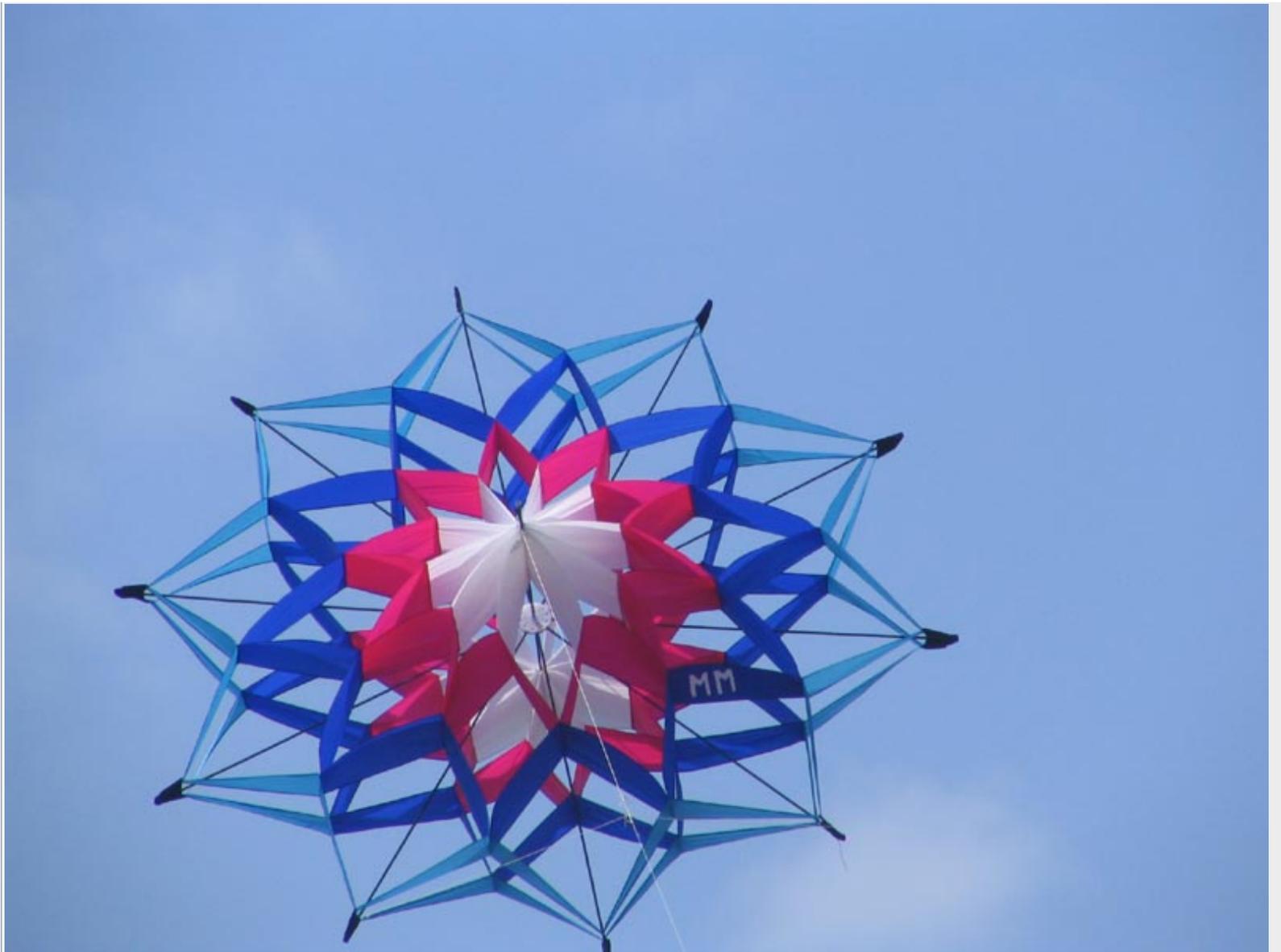
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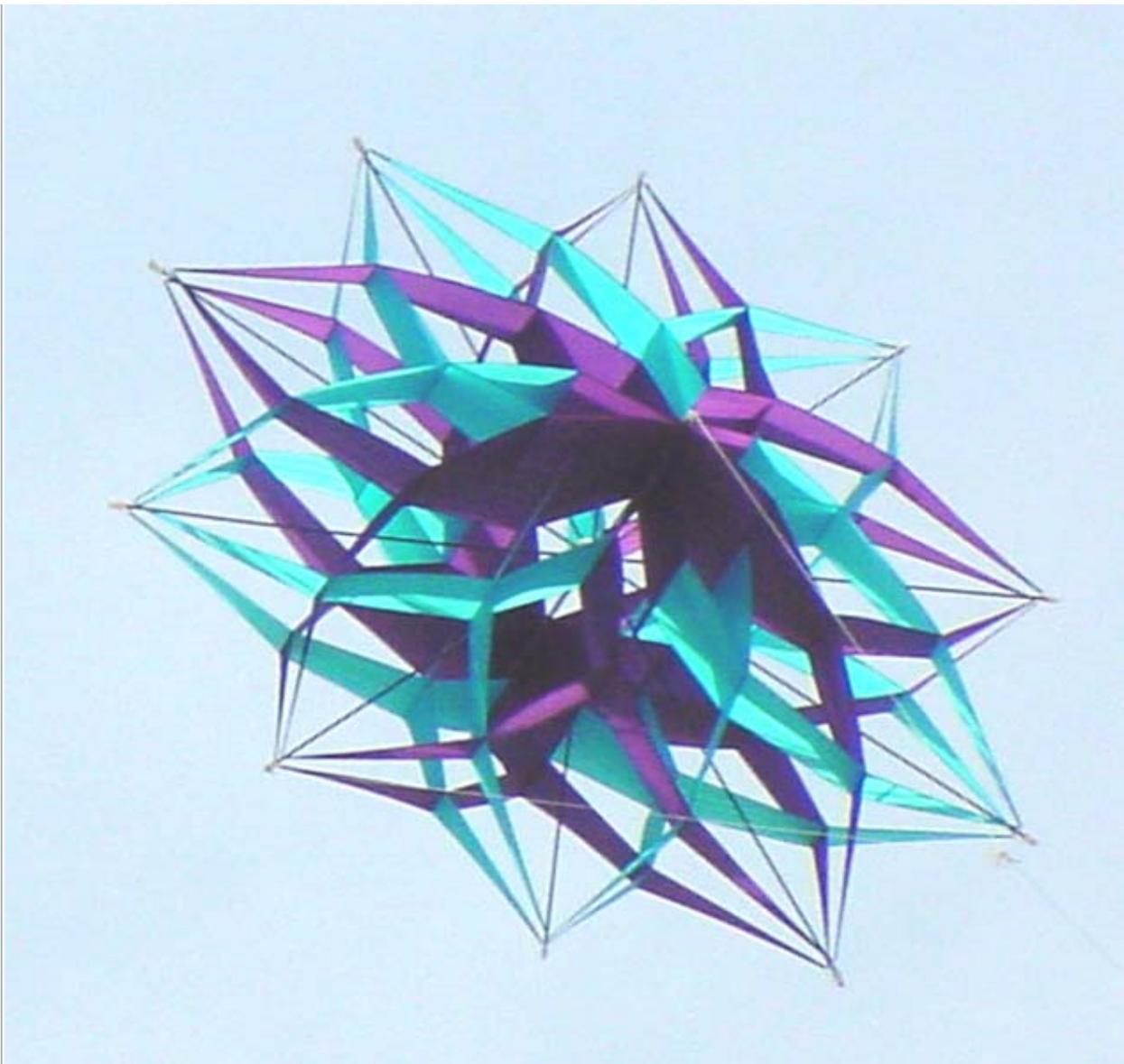


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Author	Message
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Thu Aug 26, 2004 7:29 pm Post subject: <a href="#">QUOTE</a></p> <p>What is your colour skeam? may I ask? 😊 look good up to now and I know for a fact you will enjoy flying this kite ! I sure can vouch for that and so does Cliff ! its just such a nice feeling ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Thu Aug 26, 2004 9:07 pm Post subject: <a href="#">QUOTE</a></p>





Hi Bernie,

I liked the way the colors popped out on yours and the way the colors were laid out on Cliff's. So mine is going to be red/white/blue , ( I know Kiteguy will like it 😊 ) with a white center and the red and blue in a pattern like Cliff's kite. I'm trying to find time to work on it around home and school activities. Going to get started cutting out the red and blue tonight 😊 Look for questions in the next couple of weeks. Ferruh was nice enough to send me some files so that I could print out the patterns out on 8 1/2 x 11 paper. I'll be glad to send them to anyone else planning on making one, ( Thanks Ferruh !)

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**conklincomputer**



Joined: 12 Jan 2004  
Posts: 81  
Location: Midlothian, VA

Posted: Fri Aug 27, 2004 10:48 am Post subject:

[QUOTE](#)

I've been working on my double star as well, color scheme from center to outside - black - gold - white - black.

I've got the bottom half assembled, and I'm working on the top half now. The actual assembly of the kite is fairly quick, it's the cutting and hemming that was taking me so long - very tedious.

I'm hoping to have the kite done and test-flown by labor day weekend for the Beech Mountain kite fly in NC. I don't have a digital camera, but I figure someone may get a picture or two of it there.

---

Marc  
1/2 of Airborne Virus and RAF webmeister  
<http://www.richmondairforce.com>

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**CJQ**

Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Fri Aug 27, 2004 5:26 pm Post subject: Double Star

[QUOTE](#)

Hi Marc, sounds great , anxious to see pictures. I think that Harold Ames is going to that fly and he has a digital camers . Shurly he will be all over your kite scoping it out and pics . too.

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**conklincomputer**



Joined: 12 Jan 2004  
Posts: 81  
Location: Midlothian, VA

Posted: Sat Aug 28, 2004 5:37 pm Post subject:

[QUOTE](#)

question: Cliff, you did your tip pockets as regular pockets, MM, you did yours with velcro. The two of you have seen each other's kites now, which do you think is better?

---

Marc  
1/2 of Airborne Virus and RAF webmeister  
<http://www.richmondairforce.com>

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**Mountain Man**

Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
 Posts: 1093  
 Location: NB Canada

Posted: Sat Aug 28, 2004 5:45 pm Post subject:

[QUOTE](#)

well my way is a little harder to build but make it easy to adjust tension on the sails now cliff had to special order the spars as 5 ft was not long enough ! now I did not watch Cliff assemble his kite ! but with the velcro it makes it very easy to assemble ! now lets here Cliff comments 😊

Bernie  
 the Mountain Man  
 Paint the sky...  
 "Fly a Kite!"

[PROFILE](#)[PM ME!](#)[E-MAIL](#)[WWW](#)[Back to top](#)**Grant L**

Kite of the Year 2004



Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN  
 Indianapolis

Posted: Wed Sep 01, 2004 2:16 am Post subject:

[QUOTE](#)

When we came home from vacation a few weeks back, we brought home two suitcases 🧳 full of "KNEX" that my nephew gave to my four year old son. So I have been spending my free time building with him, ( we now have a small carnival in our living room that includes a roller coaster and a ferris wheel, ) and have had to do my cutting at night. But I finally cut out the last of the 140 main pieces tonight 😊 ( and only one minor stab wound and no lost fingertips 😊 ) I am playing around with something that I can use to crease the fold lines so that I can speed up the process of folding all of the edges. I have experimented with a straight edge and a small, dulled chisel, using my cutting mat as a surface. Works OK but I'm still trying to find something that will form a better crease without damaging the Ripstop. I hope to make lots of progress this week 😊

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**kiteguy**  
Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near  
Kansas City

Posted: Wed Sep 01, 2004 2:51 am Post subject:

QUOTE

Grant, I bet that this double star will be offered up on the raffle table at MAKR. 😊



Dave Ellis  
Kites + Kids = Education

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**conklincomputer**



Joined: 12 Jan 2004  
Posts: 81  
Location: Midlothian, VA

Posted: Wed Sep 01, 2004 12:20 pm Post subject:

QUOTE

I use a credit card to make my creases, usually works pretty well.

Marc  
1/2 of Airborne Virus and RAF webmeister  
<http://www.richmondairforce.com>

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King  
George

Posted: Wed Sep 01, 2004 1:30 pm Post subject:

QUOTE

I normally use my credit card to buy kite parts.... 😊

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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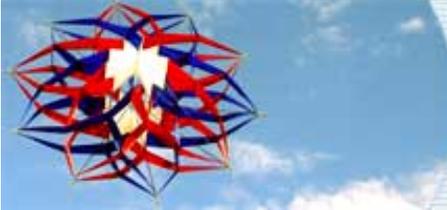
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# Kitebuilder.com's

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed Sep 01, 2004 8:19 pm Post subject: Double Star Tips <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Guys , sorry for delay in posting . Back out of retirement filling in for one of my son's employee's. Thats the bad news the good news is that i'm shaking the money tree. Gettin some bucks for my AKA trip in oct.</p> <p>About the panel " D" tips. ,As Bernie has mentioned he used velcro pockets to tension the sails. I used grossgrain loops on the tips and end caps I made with slots for adjustments. However , since Bernie's and my kites were made some further thought has been given and a special end cap was suggested for that application. The adjustable end cap is in the kite studio catlog and its called theMKS endcap. It has a hole drilled thru the cap 90 deg. to the center line and a nylon set screw to afix a line that is passed thru the side hole . The recomendation is for a 200 lb peice of line be sewn to the panel tip . that line is then slipped thru the fitting and locked in place by the screw. VERY SLICK APPLICATION. I said it was a special end cap ,not realy , steve can make them up easily. I believe that Ray B. , Grant L, and canadian Bill are employing this method. Probably if bernie and I knew of the fitting thats what we may have used . The fitting can be left in position at dis -assembly , plus it allows tensioning of the front and rear sail individually. NEAT&gt;</p> <p>Hope this helps you marc.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Wed Sep 01, 2004 10:26 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></span></p> <hr/> <p>Looks like this thread will never end. 😊</p> <p>I think this kite was a good exerceice to learn a lot and we're still learning from it.</p> <p>Thanks to all who contributed to this thread. If I can one day flush my todo list, I may get to build one of these. 😊</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>

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<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Thu Sep 02, 2004 1:14 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>To GrantL...About making creases for kite hems: This is what works for me, and I used this for the Waldof Box I made last year.....put a series of marks on the sail twice the width of the hem you want. For example, if you want a 1/4 inch hem, put your marks 1/2 inch in from the edge of the sail. Depending on the size of the hem, 3 to 6 marks spaced somewhat evenly should be enough, Fold the edge of the sail over to meet the marks and press down with you finger to start the crease. After the entire hem is made, go back and set the crease with your finger nail to get a sharper hem. You can then run the edge of the kite over the edge of a table to help set the hem. Tape the hem in place with cellophane tape and then sew the hem. Works great for me.</p> <p>Ray Bojarski</p> <p>Last edited by rbojarski on Thu Sep 02, 2004 1:18 am; edited 1 time in total</p>
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>
<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Thu Sep 02, 2004 1:18 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Follow up to Cliff's post.....I plan to try the MKS fittings to tension out the Double Star. Not quite at the point in construction to see how these fittings work. I just started cutting and assembling all the part D panels. When I get all 40 made, I'll start attaching them to the assembled A+B+C parts of the kite. Depending on the weekend, I should get around to framing up the Double Star some time next week. Now if I can find some place tall enough in the house to put the kite together.....</p> <p>Ray Bojarski</p>
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>
<p><b>Progcraft</b> Kitebuilder of the Year 2004 🏆★★★★</p>  <p>Joined: 29 Sep 2003 Posts: 4023 Location: Montreal, QC, Canada</p>	<p><input type="checkbox"/> Posted: Thu Sep 02, 2004 1:22 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>rbojarski wrote:</b></p> <p>To GrantL...About making creases for kite hems: This is what works for me, and I used this for the Waldof Box I made last year.....put a series of marks on the sail twice the width of the hem you want. For example, if you want a 1/4 inch hem, put your marks 1/2 inch in from the edge of the sail. Depending on the size of the hem, 3 to 6 marks spaced somewhat evenly should be enough, Fold the edge of the sail over to meet the marks and press down with you finger to start the crease. After the entire hem is made, go back and set the crease with your finger nail to get a sharper hem. You can then run the edge of the kite over the edge of a table to help set the hem. Tape the hem in place with cellophane tape and then sew the hem. Works great for me.</p> </div> <p>This is where the quilters ruler comes in real handy. If you don't have a quilters ruler yet, I highly recomend it. It is sooooo usefull. I use it now for everything. Hemming, making templates, marking various seam lines, everything. Wonderfull tool.</p> <p>The Della Porta class, stage three, has a good description of hemming. Step 3 and step 6. BTW, it was Kitenerd who convinced me to get a quilters ruler. I thank him endlessly for that 😊 I use a combination of Ray's and Conklincomputers methods. Mark a 1/2" line in from the edge (quilters ruler). Fold fabric edge to line. Hold with one hand's thumb and forfinger. Use credit card to press fold. Do a whole side like this. Then fold over again, use credit card again. Viola, double fold. Quick, easy, and very even.</p> <p>P.</p> <hr style="width: 20%; margin-left: 0;"/> <p>There is no box</p>

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<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004  Posts: 30  Location: Norway</p>	<p><input type="checkbox"/> Posted: Mon Sep 06, 2004 6:08 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Im about to start making a doublestar now, but i wonder if i should use 8 or 10 mm spars for it, reason for wondering is that around where i live we do normaly have low winds. so if any of you have any experiense of what the low end of the windrange is on the double-star is then i would like to know,</p>
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<p><b>CJQ</b>  Grand Champion, Kitebuilder of the Year 2006</p>   <p>Joined: 27 Dec 2003  Posts: 1702  Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Sep 06, 2004 9:09 am    Post subject: Double Star Spar Size <a href="#">QUOTE</a></p> <hr/> <p>Hello Sharky, Glad you are going to make a D.S. You will enjoy the kite when you fly it. We have 6 or 8 people who have made or are making one now.To my knowledge we all used 10 mm spars. The wind needed to keep it in the air is about 10 mph. I have flown the star many times and wished it would fly in about 7 to 8 mph winds. So I am doing an expirement and ordered 2800 dia Carbon spars. A 5 foot 10 mm spar is prox. 2.875 ounces. A 2800 spar is prox. 2.0 ounces. I believe my weight savings will be a little over 1/2 lbs. My concern was or is spar stiffnes. I shall see, and let you know. The spars should arrive within a week . If your just starting to make the star ,which will take a bit of time to sew(right guys ??) I will have the results by the time you get to framing. There is an incredible amount of posting about the D.S. to read, in fact this thread has more posts than any other topic in this forum. Guess its because its such an ausum kite. Hope you share your project with us.</p> <p>CLIFF</p>
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<p><b>Mountain Man</b>  Kitebuilder of the Year 2003</p>   <p>Joined: 04 Sep 2003  Posts: 1093  Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Mon Sep 06, 2004 9:49 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>eh Cliff ! Let me know as I would surely do a change too cause very often we dont always have the right wind for the star ! very good flyer but a bit heavy ! so since you already have ordered I will wait for the result ! 😊 and to every one in the building of the double star I would suggest to wait to see the result of cliff experiment ! it will make a difference specially if you fly in a low wind area!</p> <p>Lookin foward to see wht happen! 😊</p> <p>still a awsum kite ! 😊</p> <hr/> <p>Bernie  the Mountain Man  Paint the sky...  "Fly a Kite!"</p>
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<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p>Posted: Mon Sep 06, 2004 11:14 am Post subject: Re: Double Star Spar Size <span style="float: right;">QUOTE</span></p> <hr/> <p><b>CJQ wrote:</b></p> <p>Hope you share your project with us.</p> <p>CLIFF</p> <p>i surely will inform the forum about things i come up with as well as the finale result. and im going to follow the progress of using other spars to make it a litle less heavy</p>
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<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Tue Sep 07, 2004 1:10 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Just finished hemming the 90th piece! Only 50 more to go 😊 I'm going to try to get some more work done this week but I have to do some repairs and get all the kites ready for Grand Haven this weekend 😊 I do love flying in that steady beach breeze 😊 I'm looking forward to the info on the lighter spars !</p>
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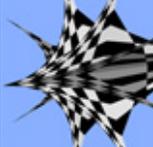
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Author	Message
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p>Posted: Tue Sep 07, 2004 9:11 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Grant, Keep going, you're not so far from having it flying, 😊 and we can't wait to see those pictures. 😊</p> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊 😊</p>
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<p><b>conklincomputer</b></p>  <p>Joined: 12 Jan 2004 Posts: 81 Location: Midlothian, VA</p>	<p>Posted: Tue Sep 07, 2004 10:42 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>My doublestar flew this weekend! North American Double Star #003 (I think 😊) made it's debut at the Mile High Kite Fly in Beech Mtn, NC (I'm pretty sure I had it up high enough at one point to be an actual mile up from sea level! 😊)</p> <p>Jim Podlasek, a WACKOS member who runs the kiteflier.com web site was kind enough to share some pictures he took, here are some links:</p> <p>Double Star 1</p> <p>Double Star 2</p> <p>Other Mile High Kite Festival Pictures from Kitefliers.com</p> <p>To anyone in the process of cutting or hemming: hang in there! I thought I was going to go crazy hemming all those pieces, but once that's done, and you get to assembling the kite, and you finally get to fly it, it's definitely worth it!</p> <p>Cliff, I'm looking forward to hearing the results of your spar experiment, it is a pretty heavy kite!</p> <p>Bernie, I ended up using your pockets, thanks for the good advice![/url]</p> <hr/> <p>Marc 1/2 of Airborne Virus and RAF webmeister <a href="http://www.richmondairforce.com">http://www.richmondairforce.com</a></p>
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<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2194 Location: USA PA ALLENTOWN</p>	<p>Posted: Tue Sep 07, 2004 11:45 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>yep, by my count it is #3..... but two more on on the way!</p> <p>Great job conklin! I like the black "frame". Cliffs's spars were a special order and I hope to receive them soon... I am sure he'll post a report.</p> <p>Will we se it at AKA Seaside?</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! </p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>conklincomputer</b></p>  <p>Joined: 12 Jan 2004 Posts: 81 Location: Midlothian, VA</p>	<p>Posted: Tue Sep 07, 2004 12:20 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>stevef wrote:</b></p> <p>Will we se it at AKA Seaside?</p> </div> <p>'fraid not Steve. I did get an invite for sport kite competition, and would love to go, but a week across country during the school year is pretty tough! 😞</p> <hr/> <p>Marc 1/2 of Airborne Virus and RAF webmeister <a href="http://www.richmondairforce.com">http://www.richmondairforce.com</a></p>
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<p><b>kitepoor</b> Kite Builder II ★ ★ ★</p> <p>Joined: 05 Sep 2003 Posts: 548 Location: USA Virginia Harrisonburg</p>	<p>Posted: Tue Sep 07, 2004 12:49 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>I was there and the star was VERY cool!! Great job Mark!!!!</p> <hr/> <p>Randy a kite a nice thing kite in the air a beautiful thing kites to share the coolest thing</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p>Posted: Tue Sep 07, 2004 5:18 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Hi, Sharky and CJQ</p> <p>I turned home yesterday from a 9 day trip. And saw that the DS reply is going bigger. It seems this will never end.</p> <p>I am waiting for your news about the 8mm spar. But I don't know your spars are much more than which I used or there is something different. Because my DS can flight less wind. When I have time I'll weigh the kite. If you have time please also you check the weigh so we can compare. Did anyone tried to move the tow point up and down. I'll check my DS bridle again. It is possible that I made a mistake 😞. But on the pictures the angle of the kite seems correct. So this a very low probability.</p> <p>Probably 8mm will work on the less wind. My friend has one 8 point 2 meter DS with 6 mm Carbon spar. It flight less wind but when the wind goes more the kite begin to change its shape. May be you can carry two types of frame with you.</p> <p>Conklin, I like your black/orange color. What is the color of the orange and which type of Fabric. I put your pics link to my webpage. But I don't know your name and location so I can write only Marc as builder information.</p> <p>Here is a photo of my Doublestar in my eye.</p>



Best Winds,  
Ferruh Baysu

Last edited by spectre on Wed Sep 08, 2004 3:03 am; edited 1 time in total

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Tue Sep 07, 2004 5:29 pm Post subject: Marc's Super Double Star

[QUOTE](#)

OH MAN Great job Marc. The colors pop, good combination. Is it an ausum feeling to fly, or what!! Yee yow eee . Hey Randy are you ready to start one??? Hope Marc let you fly it a bit. Although it's tough to give up a new toy , hope he let you touch the line anyway. HA HA. Sorry you cant make the AKA. I know Ray B. will have his there. Not sure about Grant . His probably would will be finished , dont know if he's going. What was the wind speed when you had it up? As Steve mentioned Were waiting on the 2800 spars. Hopefully it will allow flight at 8 mph. which is a more common speed ,for me it seems. Will let everyone know.  
Did you see the post by SHARKY who said he decided to make the star also. I think the intrest is generated by a few things. The kite shape is ausum. There are so many color combinations that can be used to create individualism . And I think many have decided to try thier hand making one because they feel comfortable knowing we are all here to help when problems arise. (it's the family thing) And last the KITE STUDIO is here to supply the parts we need --Thanks Steve!

CLIFF

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<p><b>Halit</b></p>  <p>Joined: 07 Sep 2004 Posts: 69 Location: Istanbul / Turkey</p>	<p>Posted: Tue Sep 07, 2004 5:49 pm Post subject:</p> <p>You can find some pictures of my double star at.</p> <p><a href="http://www.geocities.com/turkishkites/20040321.htm">http://www.geocities.com/turkishkites/20040321.htm</a></p> <p>I still could not find the right bridle lenghts.</p> <p>Good winds</p> <p><a href="http://www.ucuc.cjb.net">www.ucuc.cjb.net</a></p> <hr/> <p>Istanbul/Turkey <a href="http://www.ucurtma.com.tc">www.ucurtma.com.tc</a></p>	<p><a href="#">QUOTE</a></p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Tue Sep 07, 2004 5:51 pm Post subject: THE D.S.</p> <p>Hi Ferruh, You are a wild and crazy man ,how did you ever think of a reflection in your eye--Love it. Yes I have expiremented with the attack angle . I have a slider on the bridle to the center so adjusting is very easy. I change the angle to meet the wind strength. 10 to 12 mph is the range that will lift and maintain flight. I just weighted the kite. the 10 mm spars with the tip fittings are 2 lb./11 oz. the center hub alone is 6.15 oz. the sail is 1 lb/13 oz. the total wt . is 78.15 oz's. or 4.88 lbs. With the use of 2800 spars I will reduce the wt. by a little more than 8.0 oz.Hopefully it will allow flight at 8 or so mph. we shall see.</p> <p>Thanks again for your help.</p> <p>CLIFF</p>	<p><a href="#">QUOTE</a></p>
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<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p>Posted: Tue Sep 07, 2004 8:38 pm Post subject:</p> <p>Spectre, loved the picture of the reflection of the kite in your eye. My wife likes to take reflection photos and has a few taken in the silver sunglasses you see people wearing, but this one is great.</p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>	<p><a href="#">QUOTE</a></p>
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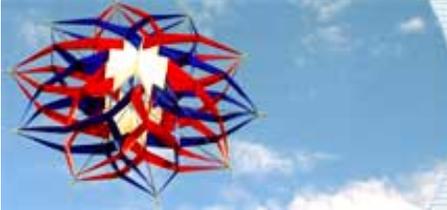
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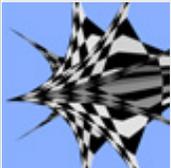
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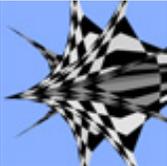
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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006 </p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Tue Sep 07, 2004 8:55 pm    Post subject: D.S. Bridles. <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi, Halit, went back and saw your double star . very nice colors red and purple complement each other very well. what kind of a center hub/fitting did you use. how did you make the tip attachments? The bridle I use on my star is 25 feet long for the two bottom and prox. 27 feet for the bridle that goes to the center. The center one is adjustable to match wind conditions. The plan I used called for shorter ones . I thought that longer was better for control. What lenght are you using?</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Wed Sep 08, 2004 8:24 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Halit, welcome to forum.</p> <p>Halit's DS is 8 point and uses 6 Carbon mm spars. And the HUB is a standart 6mm/8point connector (dia must be 6cm/2.4inch).</p> <p>We flights our kites with lots of time but we can never flight our DS together with Halit. Cliff, I'll weigh my DS as soon as possible. and check with yours. 4.lb means more than 2kgs. I don't think mine is heavy as this. May be our spars are different. What is the inside dia of your 10mm spars?</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>   <a href="#">WWW</a>  <a href="#">MSNM</a> </p>

<p><b>CJQ</b>                  Grand Champion, Kitebuilder of the Year 2006                      Joined: 27 Dec 2003                  Posts: 1702                  Location: Coopersburg, PA - USA</p>	<p style="text-align: right;"><input type="checkbox"/> Posted: Wed Sep 08, 2004 8:31 am    Post subject: D.S. spars <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Spectre, the inside diameter of the 10 mm spars is 7.24 mm . Is that the same as yours?</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: right;"><a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">E-MAIL</a></p>
<p><b>spectre</b>                    Joined: 11 Nov 2003                  Posts: 114                  Location: Ankara, Turkey</p>	<p style="text-align: right;"><input type="checkbox"/> Posted: Wed Sep 08, 2004 10:00 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>My spars has an inside dia of 8mm and the outer must be 9.9mm. If yours 10/7.24 then this means my spars are 39% lighter then yours. If I am not wrong total difference is 12oz. I'll check the weight of kite when I turn back to home.</p> <hr/> <p>Best Winds,                  Ferruh Baysu</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: right;"><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>   <a href="#">WWW</a>  <a href="#">MSNM</a></p>
<p><b>conklincomputer</b>                    Joined: 12 Jan 2004                  Posts: 81                  Location: Midlothian, VA</p>	<p style="text-align: right;"><input type="checkbox"/> Posted: Wed Sep 08, 2004 11:18 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Spectre,</p> <p>The gold in my double star is texlon <a href="#">Ripstop</a>, I think the proper color title is "California Gold". As for demographic information, my name is Marc Conklin, I'm from Midlothian, VA, USA.</p> <p>I think that the weight difference between your original double star and the ones we've made here could be the hub. You made yours out of wood, I think we've all used the machined hub that the Ferrell's made for us (thanks! 😊), I don't know a lot about the material, but I'm thinking that it would weigh more than yours. All I know is, while the kite flies extremely well, and was pretty stable considering the bumpy air I was flying in, it's pretty heavy and would fall like a rock if the wind dropped. I was running up the hill several times to get it back up (to the cheers of Harold Ames!).</p> <p>I really wish I was going to Nationals, it'd be a blast to have a double-star mass ascension! Maybe I'll send mine with some folks who are going so that could be accomplished! How many double stars will be at the convention I wonder?</p> <hr/> <p>Marc                  1/2 of Airborne Virus and RAF webmeister  <a href="http://www.richmondairforce.com">http://www.richmondairforce.com</a></p>
<p><a href="#">Back to top</a></p>	<p style="text-align: right;"><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>  <a href="#">WWW</a></p>

**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Wed Sep 08, 2004 12:43 pm    Post subject: [QUOTE](#)

I can't make the nationals, ( can't pull the kids out of school 😞 ) but I think we will be in Dieppe next summer 😊 There should be at least three there for a mass ascension  
Have all but the D pieces hemmed. Waiting on the end pieces so that I can figure exactly how I will do the tips before I hem them. ( may incorporate 200#line into the hems to go through the tip fittings.)  
Off to repair and pack for Grand haven this weekend 😊

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Wed Sep 08, 2004 1:14 pm    Post subject: [QUOTE](#)

Hi, I came home and weigh my DS. I don't have a good scale, but I check it with 1kg. It seems ok. I can only weigh 50gr steps not accurate as CJQ. But in total there may be maximum 100gr error. Here is what I get. I think this shows why my doublestar flights in low winds 5mph (but you can not stake in this wind, you must play with the line) and stake at 6-7mph.

**Weight Difference of CJQ DS and my DS:**

**Frame**  
CJQ : 43 oz = 1219 gr  
My : 26.5 oz = 750 gr  
Weight Difference : 16.5 oz = 469 gr

**HUB**  
CJQ : 6.15 oz = 175gr  
My : 3.5 oz = 100gr  
Weight Difference : 2.65 oz = 75 gr

**Sail**  
CJQ : 29oz = 822 gr  
My : 23oz = 650 gr  
Weight Difference : 6 oz = 172 gr

**Total**  
CJQ : 78.15 oz = 2215gr  
My : 53 oz = 1500 gr  
Weight Difference : 25.15 oz = 715gr

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Best Winds,  
Ferruh Baysu

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**conklincomputer**



Joined: 12 Jan 2004  
Posts: 81  
Location: Midlothian, VA

Posted: Wed Sep 08, 2004 2:13 pm    Post subject: [QUOTE](#)

**Grant L wrote:**

I can't make the nationals, ( can't pull the kids out of school 😞 ) but I think we will be in Dieppe next summer 😊

Gee, my wife's been wanting me to take her to Canada... 😊

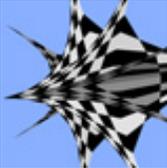
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Marc  
1/2 of Airborne Virus and RAF webmeister  
<http://www.richmondairforce.com>

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<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Wed Sep 08, 2004 4:46 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>I just saw a 55" mini double star on sale at ebay for around \$11 at the following URL  <a href="http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&amp;category=2569&amp;item=5918925422&amp;rd=1">http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&amp;category=2569&amp;item=5918925422&amp;rd=1</a></p> <p>It's even a 10 spoke design!!!</p> <p>Ray Bojarski</p>
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<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p>Posted: Wed Sep 08, 2004 4:55 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Ray, this is a Lotus Box kite. It is made by "Flying Wings", a company from Taiwan. We wrote about this on the middle of this post. Intothewind already sells this kite.  <a href="http://www.intothewind.com/cgi-bin/detail.cgi?itemnum=3407&amp;sql=box">http://www.intothewind.com/cgi-bin/detail.cgi?itemnum=3407&amp;sql=box</a></p> <p>Kiteguy bought one from them and post a picture to the forum.  <a href="http://kitebuilder.com/forums/viewtopic.php?t=810&amp;highlight=lotus">http://kitebuilder.com/forums/viewtopic.php?t=810&amp;highlight=lotus</a></p> <hr/> <p>Best Winds, Ferruh Baysu</p>
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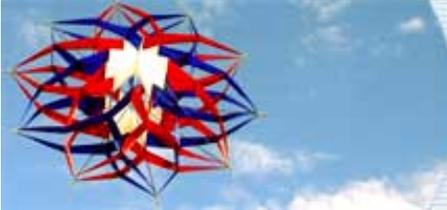
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
 2006 Kite of the year: Kelvin Wood's 'Man in Black'

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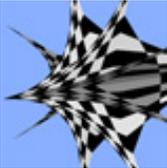
Double star plan Goto page Previous 1, 2, 3 ... 28, **29**, 30 ... 67, 68, 69 Next

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Author	Message
<p><b>Mountain Man</b>                      Kitebuilder of the Year 2003  </p> <p>Joined: 04 Sep 2003                      Posts: 1093                      Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Wed Sep 08, 2004 6:31 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>well my scale is not very accurate ! but the total is just under the 4 lbs ! guess the only difference with Cliff is the lenght of his spars ! 😊 and yes I need good winds ! but I fly it as often as I have steady winds ! 😊 and yes will do a mass assention of double stars ! I can organise that ! it would be cool ! 😊</p> <hr/> <p>Bernie                      the Mountain Man                      Paint the sky...                      "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>  <a href="#">WWW</a></p>
<p><b>CJQ</b>                      Grand Champion, Kitebuilder of the Year 2006  </p> <p>Joined: 27 Dec 2003                      Posts: 1702                      Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed Sep 08, 2004 7:14 pm Post subject: D.S. Mass. Asention <a href="#">QUOTE</a></p> <hr/> <p>Hi MM , I will be at the Dieppe Festival and will participate in the event . Can you imagine 4 or 5 stars flying together? wow.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a></p>

<p><b>Progcraft</b> Kitebuilder of the Year 2004</p>  <p>Joined: 29 Sep 2003 Posts: 4023 Location: Montreal, QC, Canada</p>	<p>Posted: Wed Sep 08, 2004 7:22 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>So, it looks like I have to make one of these within the next year then 😊</p> <p>P.</p> <hr/> <p>There is no box</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p>Posted: Wed Sep 08, 2004 7:46 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>i did buy the <a href="#">Ripstop</a> for my DS today the colours is going to be like the pic in the post that started this never ending story yellow orange red and black. a friend of mine is geting the templates printed on a plotter so i get them in the exactt to scale. the reason for the choise of colours is that it was the best looking colourcombination i could make with the <a href="#">Ripstop</a> my lokal kitepusher had in stock</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a></p>
<p><b>rbojarski</b> Master Kite Builder</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Wed Sep 08, 2004 10:11 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Spectre....I knew the kite on ebay was either the lotus from Flying Wings, or a ripoff of their design. I bought a lotus a while ago. I just made the previous post to add a little levity to this thread. Sorry for the slight diversion.</p> <p>Anyway, I have now completed one half of the double star. I have all the parts A thru D assembled and sewn together. I have grosgrain tabs over the D+D pieces like Cliff had done. The other half is assembled with A+B+C. All the remaining parts D are finished waiting attachment. I haven't inserted the radial spars into the center hub to a test fit for necessary spar lengths.</p> <p>I slipped the completed sail over the center spar, which brings up several questions:</p> <ol style="list-style-type: none"> <li>1. About how long should the center spar be? Right now it is the full 60 inch length. Is this close to the necessary length or does it get trimmed substantially?</li> <li>2. I added small tabs at the back of the assembled parts A. The intent is to put a loop around the pieces which hold the center hub in place, so I can tension the half of the sail back from the end of the spar to the center hub. Is this a good idea?</li> <li>3. How do you wrap this whole thing up for storage? I tried rolling up the completed half, with out much apparent success. How big around should the bag be to store the kite?</li> </ol> <p>There were other posts above about cutting down weight on the double star so it would fly in lighter winds. Would using icarex (or the equivalent .5 ounce material) be a better alternative to thinner walled rods and a lighter center hub? I guess I've used about 12 to 15 yards of material for all the 140 panels, plus edge binding. How much lighter would the kite be using 12+ yards of .5 ounce vs .75 ounce fabric?</p> <p>Thanks, Ray Bojarski</p>
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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Thu Sep 09, 2004 2:31 am Post subject: [QUOTE](#)

1. My center spar is 150cm long. With the arrow knocks it goes 151-152 cm. It must be it this length because the kite has 150m depth plus 1-2 cm(.5inch) for the pockets. So 59.5-60inch is fine. But you must decrease the length of the other spars because of HUB (in my HUB this 2.5cm - 1 inch). If you will not use pockets, the length of the spars will be longer than the others. I recommend you not to cut the frame until you finished the sail.  
The Equation must be  
Lenght=150cm-HUB's space(Center to the beginning od the Spar)+Length after the End Tips  
And add 0.5cm or less for a mistake. You can easily cut later this part.

2. Some of our kite friends are doing like that, but in my plan no need to this. I try it and take no change. So now I am using without tensioning.

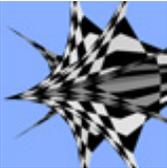
3. 151cm(60inch)-12cm(4.7inch) diameter.(The bags around is totally 38cm(15inch). But I am taking the GUB and carry it in another bag.

Best Winds,  
Ferruh Baysu

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Thu Sep 09, 2004 3:10 am Post subject: [QUOTE](#)

Hi,  
I saw that every doublestar maker has a problem with the weight of the kite except me. The difference is come mostly from the frame of the kite. The avia uses a thick walled spar. Which are 40% more weigh than my 10mm. CJQ writes in his post the frame weighs 1219 but when I checked avia's site the weight of the frame and saw that it must be 908gr+endcaps +insertion. And I think this is less than 1000gr. There is 200 gr difference. So difference with the CJQ's frame and mine is 16.5oz(469gr). I think this comes from the [Carbon](#) manufacturers difference. May be my10mm spar has same deflection with avia's smaller dia spars.

I just looked at kitebuilder. Steve have 10mm, 9.5mm, 8.7mm and 8mm.  
9.5 mm is already %11 weigher than my frame but %19 lighter than avia 10mm.  
8.7 mm is thin walled. This must be the lightest frame but there is no information on Avia's site. According to my calculations this frame must be %30 lighter than my frame and %49 lighter than avia 10mm. I think this is not a suitable one.  
8mm is also has a thick wall than my 8 mm. This is %14 lighter than my frame and %38 lighter than avia 10mm. This frame has a outer dia of 0.315"(8mm) and 0.232"(5.9mm), in europe this is 7.9mm and 6mm.

You can see that 9.5mm is %11 weigher than my frame and 8mm is %11 lighter than my frame. It is possible 8mm will be OK for Avia. Also with 9.5 mm you can gain more than 86 gr/3oz.

The second weigh difference comes from HUB. I have a wooden HUB. So this is nearly the half weigh of yours. You can reduce the weigh by reducing the dia of the HUB 1cm/.5 inch.

If anyone take a chance to try different frames and HUB dia. Please tell me so I can tell about this on my plan.

☹ Sorry about the 10mm recommendation, I don't know before that Avia's frame is to heavy. I think that all 10mm are nearly the same weigh but there is lots of difference with European and Avia frame. ☹

Best Winds,  
Ferruh Baysu

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<p><b>conklincomputer</b></p>  <p>Joined: 12 Jan 2004 Posts: 81 Location: Midlothian, VA</p>	<p><input type="checkbox"/> Posted: Thu Sep 09, 2004 9:15 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hey Ferruh, don't worry about it! I know I'd rather have this kite be strong than light enough to get the bottom range down a few MPH. I figured the hub would be heavier, that's some in-depth research you did on the spars! 😊</p> <hr/> <p>Marc 1/2 of Airborne Virus and RAF webmeister <a href="http://www.richmondairforce.com">http://www.richmondairforce.com</a></p>
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<p><b>KiteSquid</b> Master Kite Builder ★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Thu Sep 09, 2004 9:51 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I saw Mark's kite on its first flight and he even let me hold the line for a minute or two.</p> <p>I had a great time and I did not break his kite!!!!</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Thu Sep 09, 2004 10:51 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>here is the reason i did want to make a doublestar</p> <p><input type="checkbox"/></p> <p>and this beutie i totaly fell in love with</p> <p><input type="checkbox"/></p>
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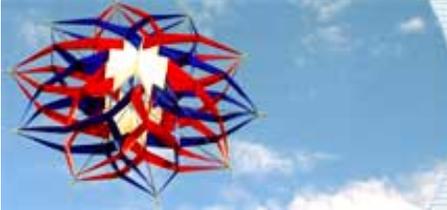
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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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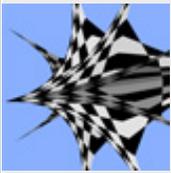
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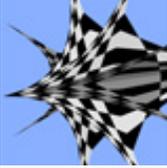
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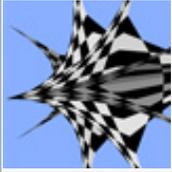
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Author	Message
<p><b>rbojarski</b> Master Kite Builder ★★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Thu Sep 09, 2004 2:28 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Sharky....Thanks for the nice shots of the Double Stars. Makes me want to run back to the sewing area and get back to work trimming and sewing sails.</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Fri Sep 10, 2004 10:15 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>what about this 12 point star kite. Today, I'll draw a plan for it and begin to make one.</p> <p><input type="checkbox"/></p> <p>If I am not wrong this kite made by an italian kite flier. I found the link. <a href="http://www.geometrievolanti.cacozza.it/theme_45.html">http://www.geometrievolanti.cacozza.it/theme_45.html</a></p> <hr/> <p>Best Winds, Ferruh Baysu</p> <p>Last edited by spectre on Tue Sep 14, 2004 4:44 am; edited 3 times in total</p>
<p><a href="#">Back to top</a></p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>   <a href="#">WWW</a>  <a href="#">MSNM</a> </p>

<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p>Posted: Fri Sep 10, 2004 10:19 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Wow, it looks like a Christmas decoration. 😊😊</p> <p>As this thread keeps going, the pressure is going up for me to build one. Now that I have a sewing machine, the only thing stopping me is time. Maybe this winter during a snow storm. 😊</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>
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<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2194 Location: USA PA ALLENTOWN</p>	<p>Posted: Fri Sep 10, 2004 10:52 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>spectre wrote:</b></p> <p>what about this 12 point star kite. Today, I'll draw a plan for it and begin to make one.</p> </div> <p>beautiful.</p> <p>Let me guess..... White, Ice Blue, Red, Teal, and Violet?</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! 🛠️</p> <p>Last edited by stevef on Fri Sep 10, 2004 11:02 am; edited 1 time in total</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p>Posted: Fri Sep 10, 2004 11:01 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Steve, I think I bought ocean blue not Ice Blue 😊</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p>Posted: Fri Sep 10, 2004 11:21 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>now i know what im going to do the next winter for sure the ds im in the startface of making now will get a sister (hmm or is it a brother im unsure of the sex of a kite )</p>
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spectre

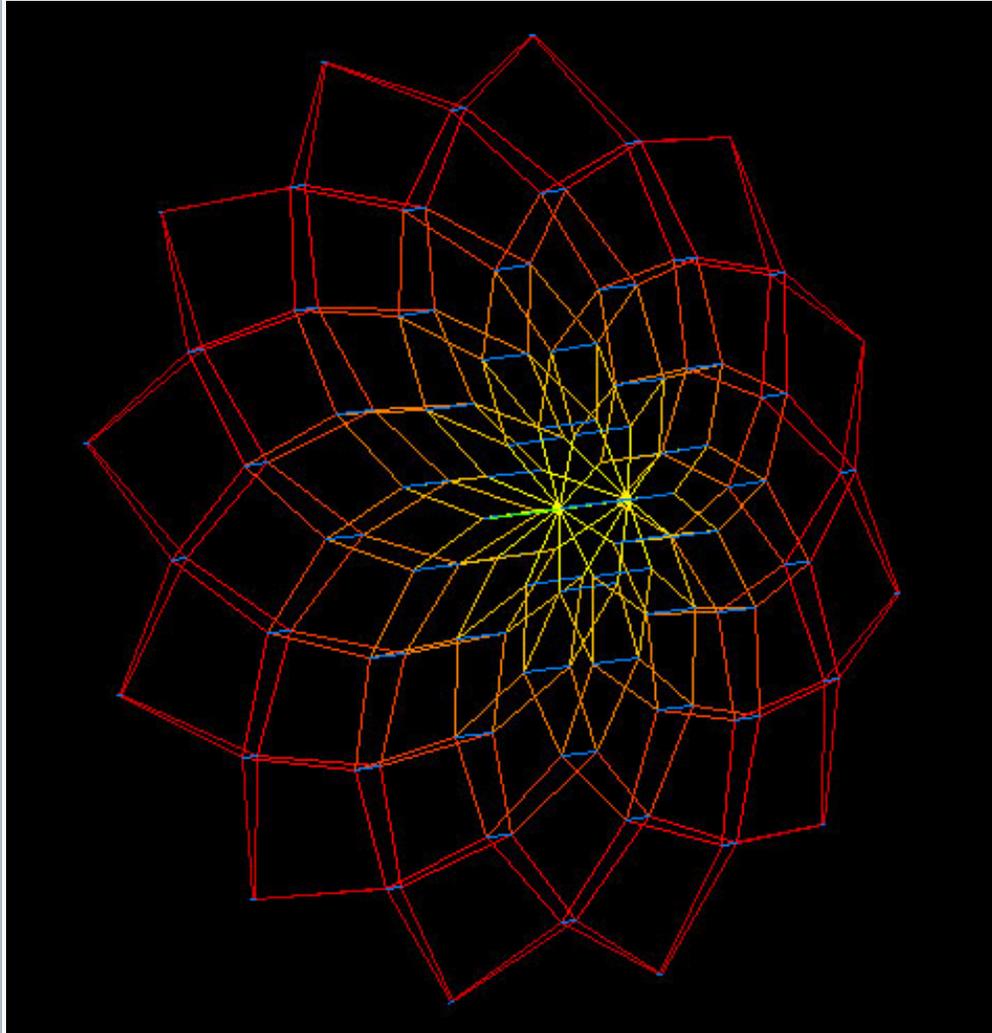


Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Fri Sep 10, 2004 12:04 pm Post subject:

QUOTE

Finished 3d drawing and panels. On the picture there is 7 steps but I made 6 steps.



But what will be the size? 3 meter or bigger may be 4 meter.  
Now need to calculate how much fabric I need and colors.

Steve I think I need some more fabrics. Because I bought red and white to make a kite white national colors.

Best Winds,  
Ferruh Baysu

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sharky



Joined: 22 Mar 2004  
Posts: 30  
Location: Norway

Posted: Fri Sep 10, 2004 1:15 pm Post subject:

QUOTE

I really liked the dense middle of the kite and the open outerparts  
reminds me of a flower

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**kiteguy**  
Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near Kansas  
City

Posted: Fri Sep 10, 2004 5:30 pm Post subject:

[QUOTE](#)

**smarties wrote:**

Now that I have a sewing machine, the only thing stopping me is time. Maybe this winter during a snow storm. 😊

Time should be no problem. You probably have the period from 12:00am until 6:am that is largely unused. 😊



Dave Ellis  
Kites + Kids = Education

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**CJQ**  
Grand Champion, Kitebuilder  
of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Fri Sep 10, 2004 6:15 pm Post subject: BIG double star

[QUOTE](#)

SPECTRE , SPECTRE ,SPECTRE, what are you doing to us? I dont know how to respond to the NEW star. Let me say this about that! INCREDIBLE KITE. I am still in aw and dont know how to handle the challenge. The double star has had 5,525 views on this forum . With doubt the most intrest than any other topic. It seems you are about to create another MONSTER. Gone away to think about this one , but I will deliberate and respond! soon.

REGARDS  
CLIFF

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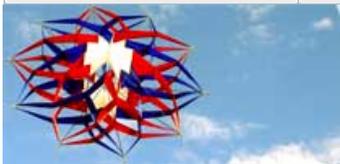
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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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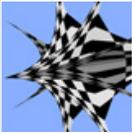
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Author	Message
<b>Mountain Man</b> Kitebuilder of the Year 2003  Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada	<p>Posted: Fri Sep 10, 2004 7:10 pm Post subject:</p> <p>well ..... I also lost my speach! Wow! ok have to think on this one too ! it wont be for a while any way ! but its a awsome kite to say the least! 😊</p> <p>still the double star in my view the niceeast of the two ! (10points compare to the 12! I find the 12 is too dense ! and looses some of its charmed .....but that is just my opinion! and Peggy says hers too! 😊</p> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p> <p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<b>dpb</b> Master Kite Builder  Joined: 17 Dec 2003 Posts: 568 Location: Portland, OR	<p>Posted: Fri Sep 10, 2004 8:53 pm Post subject: Re: BIG double star</p> <p><b>CJQ wrote:</b></p> <p>SPECTRE , SPECTRE ,SPECTRE, what are you doing to us? I dont know how to respond to the NEW star. Let me say this about that! INCREDIBLE KITE.</p> <p>REGARDS CLIFF</p> <p>Cliff, you think you have problems? How am I gonna convince Diane to paint that one? 😊</p> <p>Dave</p> <p>Cherry Blossoms fall like rain, A lively kite steals the sky, Paradise in a moment.</p> <p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>

spectre



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

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Posted: Sat Sep 11, 2004 4:13 am Post subject:

[QUOTE](#)

Bernie, you may be right. I will make one two learn which is nice.

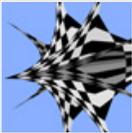
The kite on the pic has 7 step and DS has 4, and I 'll make 6 steps and a little bit bigger 3.2 or 3.5 meter. So it will be not so dense as on the picture.

Now only problem is for me is the color choice. I ordered some white and red fabric from Steve two make a national colored kite(a big pyro delta). May be I can do a national color DS.

Best Winds,  
Ferruh Baysu

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spectre

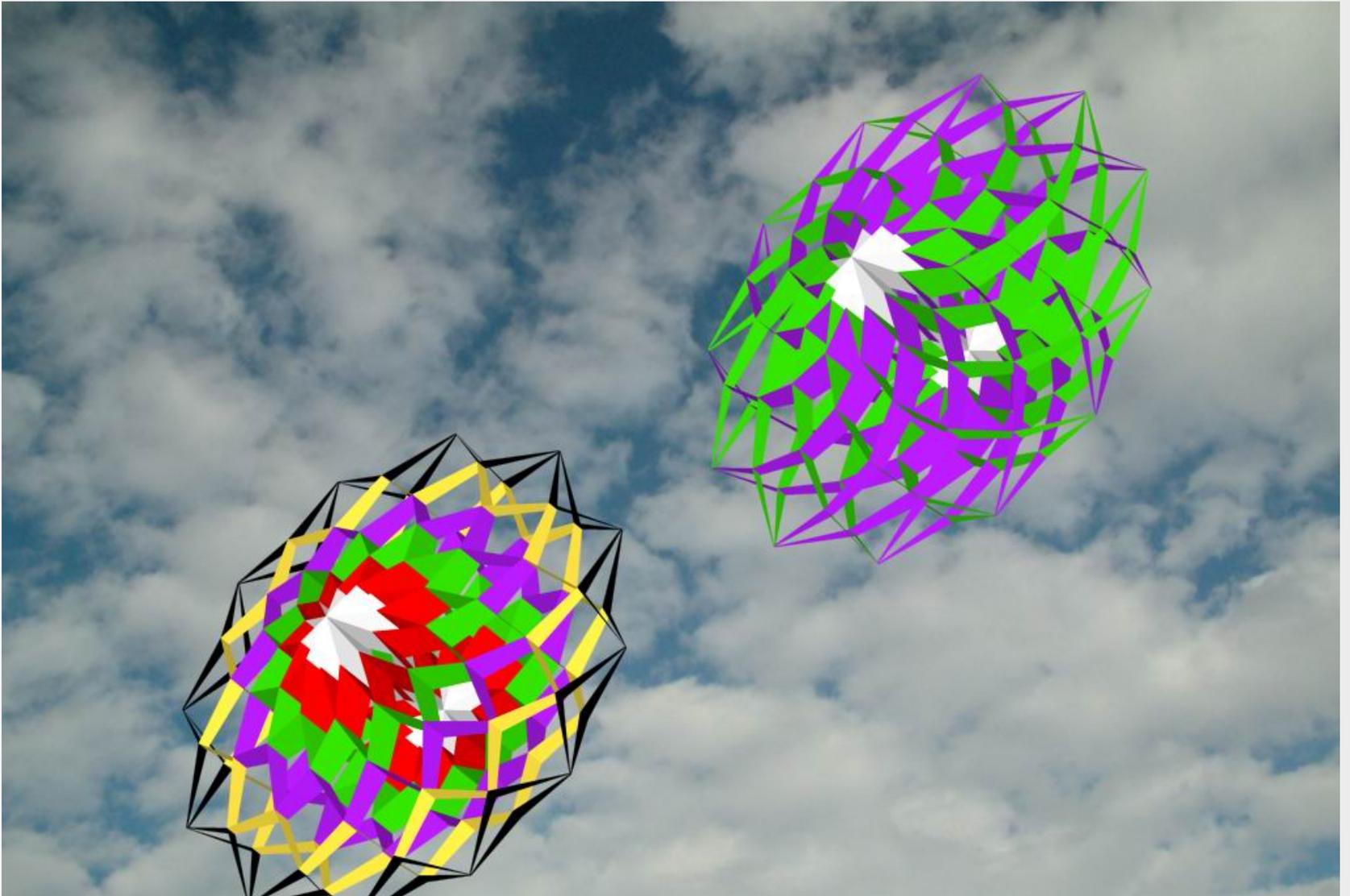


Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Sat Sep 11, 2004 6:37 am Post subject:

[QUOTE](#)

I amde Solid 3d drawings of 10 point and 12 point doublestar. If any one need, I can colorize and render for you. So you have an idea how it seen in the air.





Best Winds,  
Ferruh Baysu

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**smarties**

Joined: 05 Nov 2003  
 Posts: 1791  
 Location: Dieppe, NB,  
 Canada

Posted: Sat Sep 11, 2004 10:39 am Post subject:

[QUOTE](#)[EDIT](#)**kiteguy wrote:**

Time should be no problem. You probably have the period from 12:00am until 6:am that is largely unused. 😞

LOL 😄 .

Actually, sometime I work during those hours 😞

Smarties 😊

<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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[PROFILE](#)[PM ME!](#)[E-MAIL](#)[WWW](#)**smarties**

Joined: 05 Nov 2003  
 Posts: 1791  
 Location: Dieppe, NB,  
 Canada

Posted: Sat Sep 11, 2004 10:44 am Post subject:

[QUOTE](#)[EDIT](#)**spectre wrote:**

I amde Solid 3d drawings of 10 point and 12 point doublestar. If any one need, I can colorize and render for you. So you have an idea how it seen in the air.

That is very cool! 😊 How easy is it to change the color on each drawing?

Smarties 😊

<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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[PROFILE](#)[PM ME!](#)[E-MAIL](#)[WWW](#)**Halit**

Joined: 07 Sep 2004  
 Posts: 69  
 Location: Istanbul / Turkey

Posted: Sat Sep 11, 2004 12:37 pm Post subject:

[QUOTE](#)

This is really impressive. I think we should orginize a double star festival.

Ferruh we hope you add the 12 point ds plan to your site.

I had bought my mid connector from Germany but i think they have no 12 hole connector. I think this connector cam be made of Delrin ( a similar material to teflon but much stronger)

Istanbul/Turkey

[www.ucurtma.com.tc](http://www.ucurtma.com.tc)

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[PROFILE](#)[PM ME!](#)[E-MAIL](#)[WWW](#)**CJQ**

Grand Champion,  
 Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA -  
 USA

Posted: Sat Sep 11, 2004 3:09 pm Post subject: BIG 12 POINT STAR

[QUOTE](#)

HI Halit, check with Steve at the KITE STUDIO he has already looked into providing a 12 spar center hub .

CLIFF

<a href="#">Back to top</a>	<a href="#">PROFILE</a>	<a href="#">PM ME!</a>	<a href="#">E-MAIL</a>	<p>Posted: Sat Sep 11, 2004 3:25 pm    Post subject:</p> <p>is there enough clearance between the two stars and hub to add two things inside, around the spine, that rotate?</p> <hr/> <p><b>Steve Ferrel</b>  <a href="#">Kite Studio - Go Build a Kite!</a>  <i>Measure once, buy twice!</i> </p>	<a href="#">QUOTE</a>
<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003          Posts: 2194          Location: USA PA          ALLENTOWN</p>					
<a href="#">Back to top</a>	<a href="#">PROFILE</a>	<a href="#">PM ME!</a>	<a href="#">E-MAIL</a>		
<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003          Posts: 2194          Location: USA PA          ALLENTOWN</p>					<a href="#">QUOTE</a>
<p>Display posts from previous:</p>					

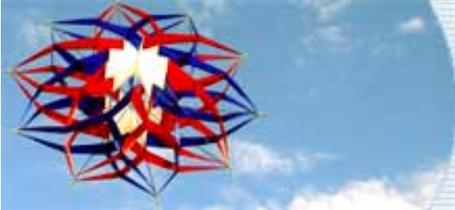


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2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p> <input type="checkbox"/> Posted: Sun Sep 12, 2004 6:06 am    Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span> </p> <hr/> <p>I calculate the how much Fabric Ineed for 3.4dia 12point DS. totally 21 meter of 138cm wide fabric. Nearly the twice of 10 point DS.</p> <p>This time I'll make a different pattern. Less colorfull, only two colors.</p> 

Best Winds,  
Ferruh Baysu

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Sun Sep 12, 2004 8:45 am Post subject:

[QUOTE](#)  
[EDIT](#)

It reminds me this drawing that my daughter did:  
[Mandala](#)

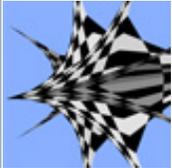
Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Sun Sep 12, 2004 3:04 pm Post subject:

[QUOTE](#)

WOw. Your daughter made 18pointstarbox kite. She is fater than us.

Best Winds,  
Ferruh Baysu

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**sharky**



Joined: 22 Mar 2004  
Posts: 30  
Location: Norway

Posted: Fri Sep 17, 2004 12:46 pm Post subject:

[QUOTE](#)

the first 20 pices was cut today and im starting to hem them and put them together tomorrow i hope. this was my first time to use a rotary knife as well and i loved it bigtime.

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Fri Sep 17, 2004 1:13 pm Post subject:

[QUOTE](#)  
[EDIT](#)

**sharky wrote:**

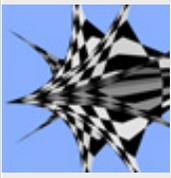
the first 20 pices was cut today and im starting to hem them and put them together tomorrow i hope. this was my first time to use a rotary knife as well and i loved it bigtime.

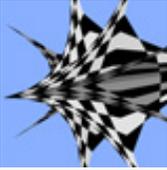
As long you only cut the fabric and not your finger. Beware 😊

It is much quicker.

Can't wait to see picture of your double star 😊

Smarties 😊  
<http://www.yvonhache.com>

	<p>To boldly go where no imagination as gone before! 😊😊</p>
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<p><b>spectre</b></p>  <p>                     Joined: 11 Nov 2003                      Posts: 114                      Location: Ankara, Turkey                 </p>	<p> <input type="checkbox"/> Posted: Fri Sep 17, 2004 3:25 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>                     After 4 long night, I finished cutting 264 fabric pieces of new 12 Point DS and a new red pyro. I am tired now and tomorrow I will begin to sew. Hope to finish up wednesday. Then I'll go to another city to a kite festival. And hope that my dutch friends bring the frame of the kite with them. If everything goes ok, hope to fly the kite on next Sunday.                 </p> <hr/> <p>                     Best Winds,                      Ferruh Baysu                 </p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>   <p>                     Joined: 27 Dec 2003                      Posts: 1702                      Location: Coopersburg, PA - USA                 </p>	<p> <input type="checkbox"/> Posted: Fri Sep 17, 2004 3:50 pm    Post subject: D.S. THE BIG ONE <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>                     Hi Spectre, which grafic patern did you decide to use ? the sprial or the step color design? Do hope you finish in time to fly next sunday. I would rather see the star than the pyro, sooooooo put the pyro aside and finish the star O.K. ??                 </p> <p>CLIFF</p> <p>                     P.S. Got the new 2800 rods for the DS 10 point . the weight reduction is 10 ounces. the hub was reduced by 2.15 ounces for a total of 12.15 oz.or 3/4 of a pound. Hopefully that will get me close to the 6 to 7 mph. wind range . we shall see.                 </p> <p>Regards</p> <p>CLIFF</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>   <p>                     Joined: 27 Dec 2003                      Posts: 1702                      Location: Coopersburg, PA - USA                 </p>	<p> <input type="checkbox"/> Posted: Fri Sep 17, 2004 3:53 pm    Post subject: D.S. THE BIG ONE <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>                     Hi Again Spectre , You know what ? It would be good if you post the plans for the BIG ONE (12 Point) . I am still pondering. That's english for I'm not sure yet!!                 </p> <p>CLIFF</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>

**spectre**  
  
 Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Fri Sep 17, 2004 4:14 pm    Post subject: [QUOTE](#)

---

Ok, Cliff I'll first finish 12 point DS. If you want I can send you the drawings of the 12 point DS. But first I want to test its flight.

I'll make the spiral one. For a long I want to make a kite in these colors. I'll make my DS 3.4meter dia. So it will be bigger than 10 point DS. I am buying frame 2meter long so it is no problem for me. But If you want I can sacle down the kite to 3 meters.

Please tell me what format is suitable for you. If autocad is ok. I can send you also the 3D version so you can colorize the kite.

I am waiting news from you about the new frame. If you can time and good wind condition, Please test for low and high wind.

---

Best Winds,  
 Ferruh Baysu

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**Grant L**  
 Kite of the Year 2004  
  
 Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN Indianapolis

Posted: Fri Sep 17, 2004 9:50 pm    Post subject: [QUOTE](#)

---

Hi Cliff and Spectre,  
 I should get back to work on mine this weekend. We had a great time at Grand Haven last weekend but have had a busy week so I haven't had a chance to get any work done. I've been thinking about how I want to do the tips and am almost settled on a method.  
 Clif, what did you do to the hub to get it lighter, ( I can't remember wether you used one of Steve's hubs or a home made one 😊 ) I also look forward to flight reports on the DS with the lighter spars.  
 😊

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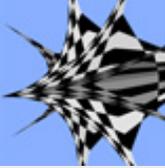
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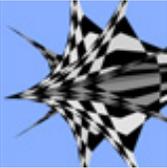
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Author	Message
<b>sharky</b>  Joined: 22 Mar 2004 Posts: 30 Location: Norway	<input type="checkbox"/> Posted: Sat Sep 18, 2004 8:39 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> oh mother the folding of the <a href="#">Ripstop</a> before heming is a realy boring thing. im upp for sugestions on the best way to do it
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a>
<b>spectre</b>  Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey	<input type="checkbox"/> Posted: Sat Sep 18, 2004 9:45 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> Hi, Sharky I am also doing this for last 5 hours. Completed 1/3 of total 264 pieces. This meas I need more 10 hours for folding and sewing. I am folding 24 and then sew them. Then fold 24 more and sew. Just imagine how will the kite seen in the air when finished. May be this helps you.?
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a>
<b>Doug LaRock</b> Master Kite Builder  Joined: 12 Jan 2004 Posts: 389 Location: Yakima, Washington	<input type="checkbox"/> Posted: Sun Sep 19, 2004 1:25 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> I know about hemming or edge binding lots of fabric, its got to be the most boring part of a project . Hang in there! When your done its satisfying. Doug

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<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Sun Sep 19, 2004 6:10 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>well i did a litle test that turned out werry well. i mark upp where the folds shall be and then with the pointy end of the scissors i scratch along a ruler . that makes it werry eazy to make the folds afterwards.</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a></p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Sun Sep 19, 2004 9:15 pm Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Doesn't the stratch weaken your fabric?</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Sun Sep 19, 2004 9:40 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>yes a litle but the fabric will be weakened at the folds anyway and along the heming there is 3 layers of fabric and no load across that scratch and i fold the fabric so the scratch is on the inside and dont show i cant se any problems with it as long as you do not use to much force. i did some tests on some cutings before i did it on the paneles. it might not work on all sorts of <a href="#">Ripstop</a> and i would not have done it on icarex or ventex i think</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a></p>
<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Sun Sep 19, 2004 11:52 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Sharky, that is a good idea on small scratches at the fold line. As you said, it may weaken the material a bit.</p> <p>However, when I make seams by sewing the material 1/4 inch apart, then folding the edges over and sewing them down creates a weakened line where I sewed first. Seems it would be quite a bit weaker, and under a lot more stress than when the weakened area is inside a hem. And like you said, there is no stress there, except parallel to the scratch line. That should be no big thing at all, I would think. 😊🤔</p> <p>I think I will be doing some testing, too. Thanks for sharing, Sharky. 😊</p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>

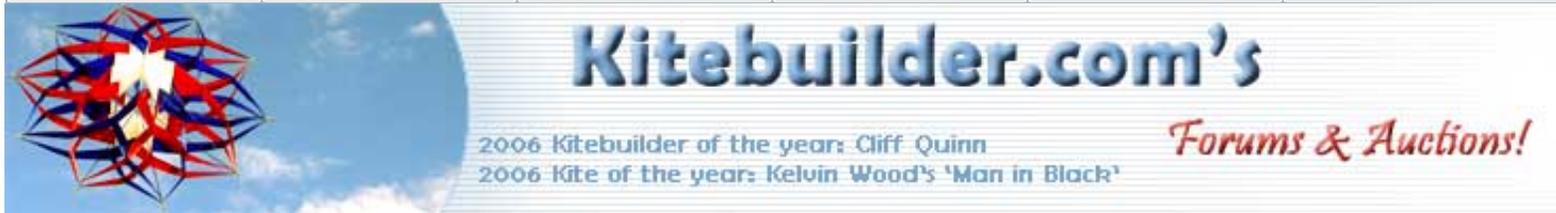
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<p><b>Grant L</b> Kite of the Year 2004  Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Mon Sep 20, 2004 2:24 am Post subject: <a href="#">QUOTE</a></p> <p>I actually started sewing pieces together today, ( rather than hemming.) 😊 Figuring out some things as I go, ( got to cut out some replacement pieces too 😞😞😞 ) I still have to figure out the tips but thinking of grossgrain <a href="#">Webbing</a> with rings and string tied to the rings. Be careful when you sew the A pieces together to form the sleeve for the spine. I was lining up the sew lines like the rest of the pieces, and ended up with the pieces each being about 4mm lower than the previous, rather than all in the same line. When sewn correctly, you get a bunch of small seperate poynyts sticking up rather than the edges all in line. Hopefully lots of progress this week. 😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Sep 20, 2004 8:42 am Post subject: Spine Pockets <a href="#">QUOTE</a></p> <p>Hi Grant , read the comment on the A sew to form the pocket for the spine . I encountered the very same thing . You do end up with little points at the outer end . Tough to explaine the procedure to non stager the panel attachments. I guess simply put its dont stager the alignment? How large is the pocket in diameter ? I had to make two samples to get the diamerer to prox 1 1/4 in. How far along are you now? Are you bored yet?</p> <p>CLIFF</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>spectre</b>  Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Mon Sep 20, 2004 1:46 pm Post subject: <a href="#">QUOTE</a></p> <p>After cutting 264 pieces, folding and sewing the hundreds meters of edge, I complete the sail of 12 point star. Now I need a frame and a HUB for my kite. Hope my Dutch friends bring with them otherwise I must wait more than one month.</p> <p>Tomorrow morning, I want to check that I made a mistake or not. So I'll frame the kite with fiberglass tube to see how it is.</p> <p>I don't have a problem with the Panel A. But you must be carefull. The end of the fabric must aligned. If you are aligning by the lines(the straight lines and dashed lines on panel A), every panel will be a little bit back of the previous panel.</p> <p>Best Winds, Ferruh Baysu</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>

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Author	Message
<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Mon Sep 20, 2004 7:26 pm    Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <p>i am trying to understand what you deskribe as a posible problem with aligning the panels but i cant get it. in what direction do you get a shift in alignment , up/down or forward/ backward. do you have any pics of the error</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a></p> <p><a href="#">WWW</a></p>

**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon Sep 20, 2004 8:49 pm Post subject: A panel Sew

QUOTE

Hi Sharky , just hold up a little we will help you with the alignment of the A panels. Spectre step in and add your directions also. Sharky place all of your A panels with the outer hem to the left and the base at the bottom. The outer hem on the front section will be called the leading edge. Now the left corner at the bottom of each panel all will be sewn with the tip or lower corner aligned with the panel above. And the next and the next and so on . Just imagin that when you go around in a circle that you must make a perfect cylinder. If the panels are stagered when sewn to each other when you close the cylinder (or pocket) on the last sew the pocket will be distorted and the seams will be a spiral like in a gun barrell.

Hope this explanation will help, and not confuse you more. Grant did you have the same situation ??How did you do your alignment?

CLIFF

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E-MAIL

**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN Indianapolis

Posted: Tue Sep 21, 2004 12:57 am Post subject:

QUOTE

Hi Sharky,

I started out sewing the pieces together like [HERE](#) in the Della Porta project. The problem is that each piece ends up a little lower, ( like the right piece in the middle diagram.)

I switched to laying out the pieces on my cutting mat ( which has a grid.) You could do the same thing by just drawing a horizontal line on a light surface, ( so that you can see the line through the [Ripstop](#).) then I make sure that I line up a certain point on each A piece with that line when I tape them together to sew. I used the bottom left corner of piece A ( looking at the piece with the edge that will be sewn to B on the right and the piece slanting down to the right.) When I join two piece A s together, I line up the seam line vertically and make sure that this specific corner of **both** pieces is lined up with this horizontal line, ( even though one is face up and one is face down.)

If this still doesn't make sense, maybe one of the "Graphic Capable" members can make a drawing. Hope I haven't made it more confusing 😊

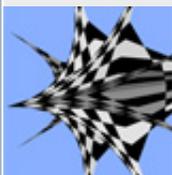
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PROFILE

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Tue Sep 21, 2004 2:12 am Post subject:

QUOTE

Hi, Grant

That is what I want to tell. My english is not very good, so sometimes I can not tell correctly.

Best Winds,  
Ferruh Baysu

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**sharky**



Joined: 22 Mar 2004  
Posts: 30  
Location: Norway

Posted: Tue Sep 21, 2004 2:45 am Post subject:

[QUOTE](#)

the information that grant showed me with the link to the della porta prodjekt explained things perfektly, in a way i am happy that im a litle behind you guys so that i have all this exelent help along my path to the finished DS  
thanx bigtime to all of you so far

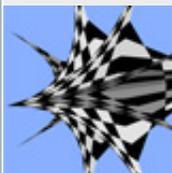
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**spectre**



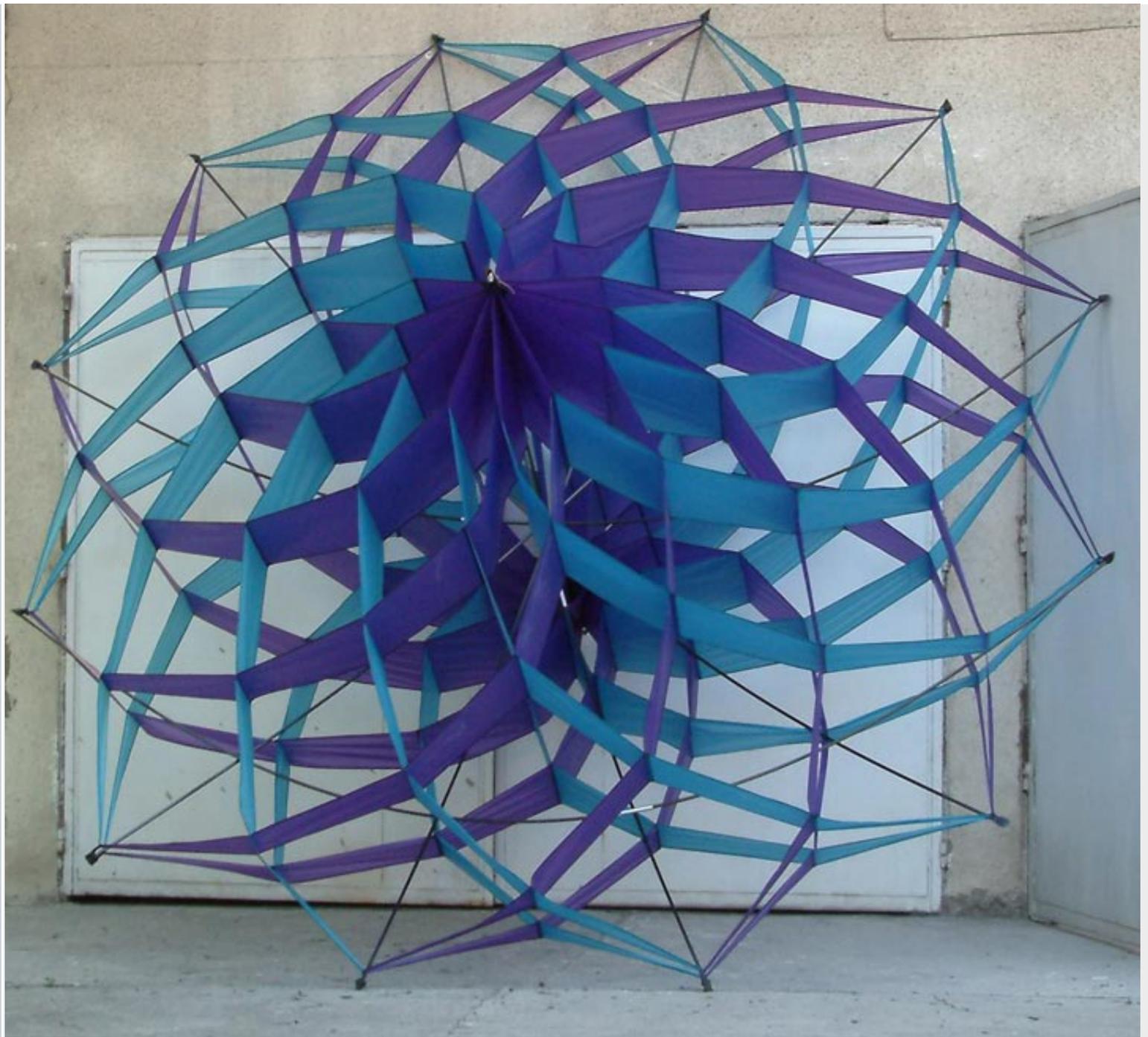
Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Tue Sep 21, 2004 6:42 am Post subject:

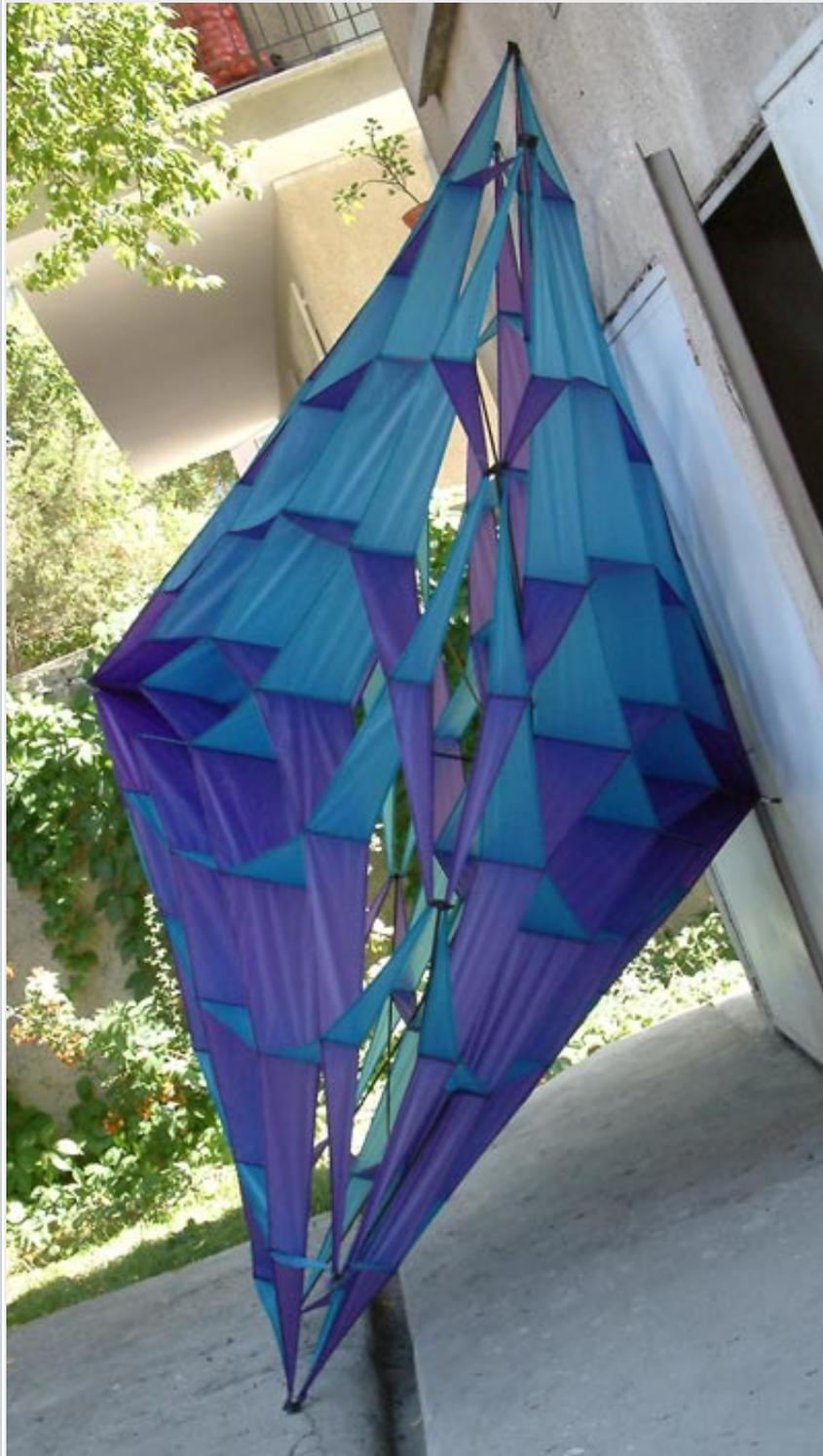
[QUOTE](#)

Hi, here is my new 12 Point DS

Sorry, this is not the original frame and there is no HUB, because of this the sail is not symmetric and tight.







	Best Winds, Ferruh Baysu
Back to top	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a>
<b>Grant L</b> Kite of the Year 2004  Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis	<input type="checkbox"/> Posted: Tue Sep 21, 2004 8:39 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> Great Spectre 🤖 I really like the color scheme. It is like an optical illusion and plays with you eyes. I can't wait to see a shot of it in the sky on a sunny day. Thanks again for all of the great information and plans for these kites. I can't wait till I get mine finished and in the air. 😊
Back to top	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>
<b>sharky</b>  Joined: 22 Mar 2004 Posts: 30 Location: Norway	<input type="checkbox"/> Posted: Tue Sep 21, 2004 8:50 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> hmm my 12 point doublestar is going to have the folowing coloure from senter and out white, gray light blue, turcoise, blue, black or or hmm i should drop thinking of the 12 and finish the 10p before i plan the colours for a new kite , but i cant stop thinking of it nice work with your new 12p ds ferruh im looking forward to see reports on how it flies  Last edited by sharky on Tue Sep 21, 2004 1:20 pm; edited 1 time in total
Back to top	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a>
<b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA	<input type="checkbox"/> Posted: Tue Sep 21, 2004 9:04 am    Post subject: The BIG STAR <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> Hi Spectre, Wonderful , bueatiful , and well done. Now that you have made us the problem ,it's time for you to post the 12 point double star plans OK? This looks like a 1 month project for the average builder . Still cant figure out how you have so much time to do all that work . Speaking of work seems like you must be retired to have all that time to design and make such great kites ?? You continue to be the leader of the group --keep it up . Your like the Pied Piper ,as we travel on we keep getting more followers.  CLIFF

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<p><b>KiteSquid</b>                  Master Kite Builder                    Joined: 29 Aug 2003                  Posts: 6248                  Location: USA Virginia King George</p>	<p>Posted: Tue Sep 21, 2004 9:10 am    Post subject: Re: The BIG STAR <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Cliff,</p> <p>IIRC you are retired.... you should be cranking out tons of kites!!!!!!</p> <hr/> <p>VR/                  KiteSquid                  AKA TakoIka                  AKA Harold                  King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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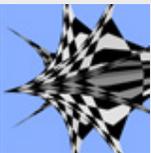
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Double star plan Goto page Previous 1, 2, 3 ... 34, **35**, 36 ... 67, 68, 69 Next

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  </p> <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Tue Sep 21, 2004 9:39 am Post subject: Tons Of Kites <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Harold, RETIRED? Dosent seem so , days are too short , too many things to get done . Dont have time to go pee pee. Feel guilty when I spend a lot of time just working on kites . Whats with that??. Think I can get enough time on a 12 pointer though . Actually didnt commit my mind yet. But probably will. Got this thing about cellular stuff.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>spectre</b> </p> <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Tue Sep 21, 2004 5:31 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Today, I had guests so no kite making. I rest a little bit. Tomorrow, I'll turn back kite amking. I want to finish my pyro delta. and thenwill go to a trip for a kite festival. When I turn back I'll post 12 point DS.</p> <p>Best Winds, Ferruh Baysu</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>KiteSquid</b> Master Kite Builder  </p> <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Mon Sep 27, 2004 11:03 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I had a RARE oppurtunity this past weekend at Sunfest in Ocean City MD.</p> <p>I got to see and FLY Cliff Quinn's Double star!!!!</p> <p>A few weeks ago I got to fly Mark Conklin's at Beech Mountain.</p> <p>So now I have flown 2 of these great kites 😊 and have not built one yet!!!! 😊</p> <p>WOOOOO HOOOOOO</p> <p>I guess I need to build one myself soon...</p> <p>BTW both kites flew GREAT and are a wonderfull sight in the air.</p> <p>and Cliff won the people's choice award at Sunfest!!!!!!!!!!!!!!</p>

SUPER!!!!!!!!!!

Spectre,

What a great kite you have designed and better yet, shared the plans with us here at the best kite building forums!!!!!!

---

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

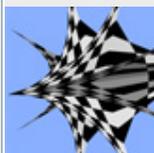
P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon Sep 27, 2004 5:21 pm Post subject:

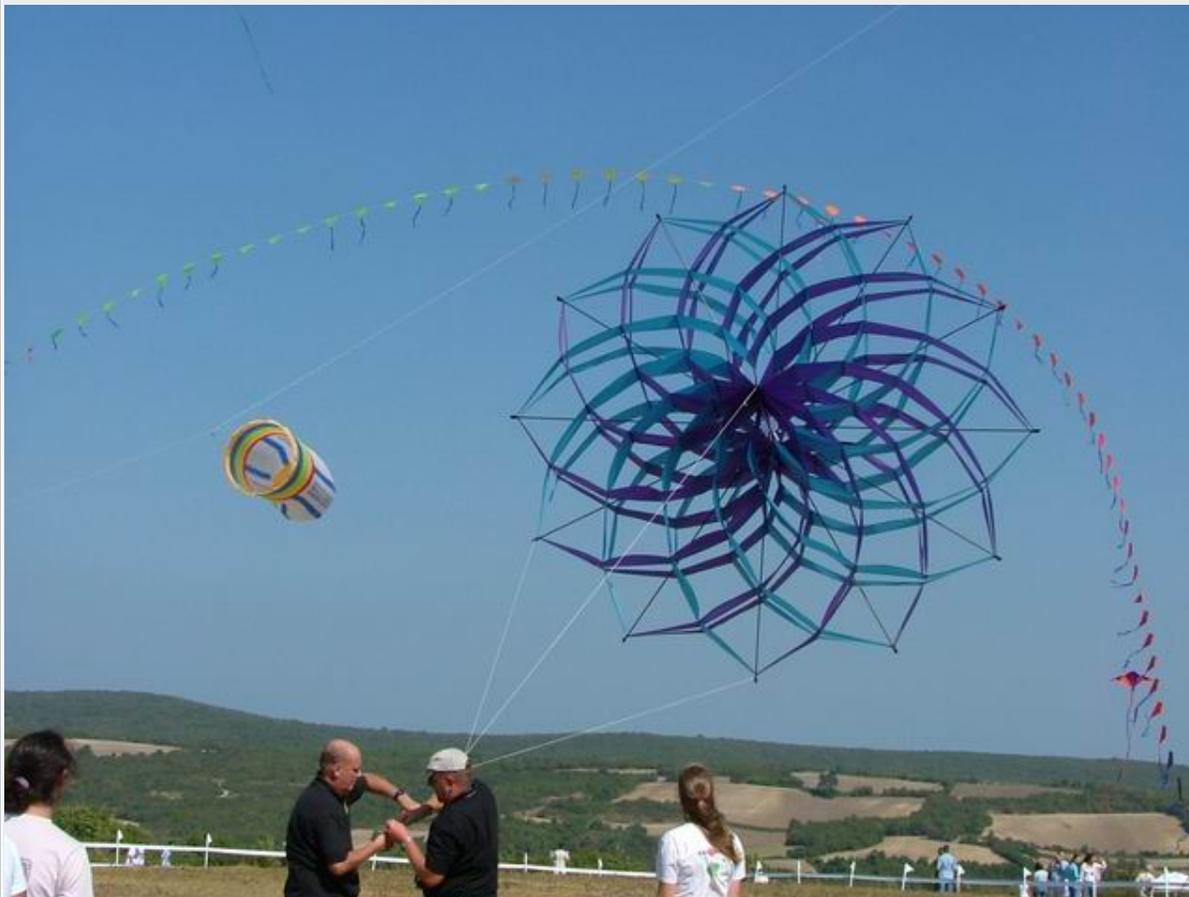
[QUOTE](#)

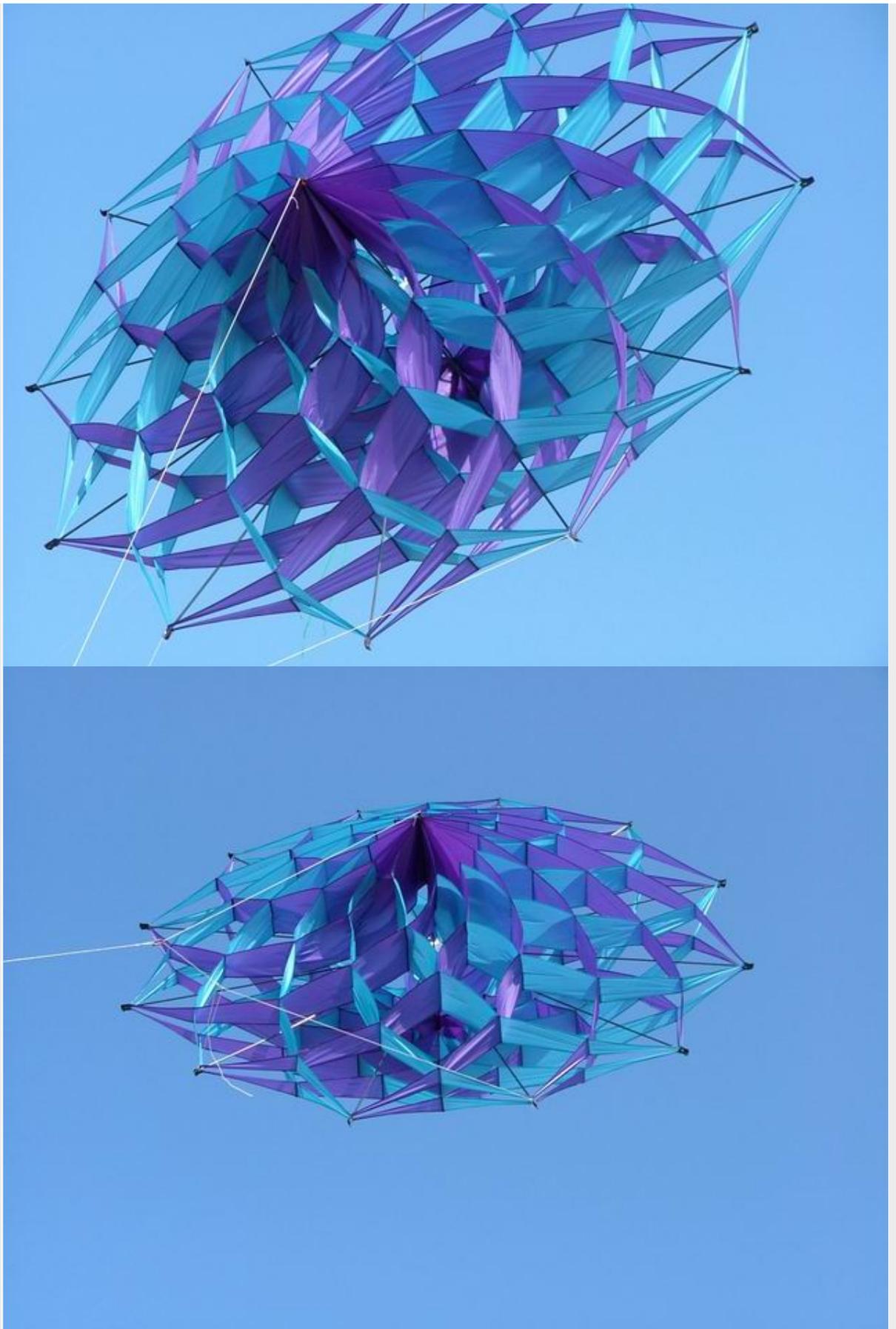
Hi, again

Yesterday, I take the spars and HUB. But there was gusty winds. I don't want to break the spars in first flight so I just launch it and look how it is seen and I want to see which corections I must do.

First problem is that the bootom bridle points are too close to each other. I'll move one of the bottom bridle apart from the other. Second problem is about the spine. It bends to much so I'll insert a long 8 mm Carbon spar inside it. This is for 10mm European spar not avia.

And here is some pics. I have some more but I can post them when turn home.





---

Best Winds,  
Ferruh Baysu

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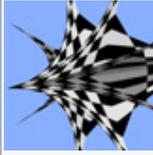
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spectre



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon Sep 27, 2004 5:26 pm Post subject:

QUOTE

Hi, Kitesquid thanks for your words. But before I said, I not the designer of the kite.

I saw this kite first in year 2000 and than 2002 in the air. And I build my own plans at home. Probalby the panels are different from the other ones which I saw.

Best Winds,  
Ferruh Baysu

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CJQ

Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Mon Sep 27, 2004 5:28 pm Post subject: The Double Star

QUOTE

HI SPECTRE, The Kite Squid said it all , fun to fly and a great looking kite . Went to a kite festival this past weekend and flew the d.s. . Actualy flew with the new down sized spars. One of the events was a Peoples Choice Award Competition . Not realy Hi Tech. Traveling down the boardwalk through out the day were hundreds of spectators , on sat afternoon there was a competition for all hand made kites . the builders brought their kites to the boardwalk displayed their kites ,over a mic. explained the makings to the public and then flew their entrys for judging. The Double Star was chosen their favorite choice. Yes indeed I was a happy camper!!Got a gift cirtificate from the Kite Loft on the boardwalk and immediatly cashed it in for more kite stuff. The KITE LOFT by the way is owned by people who believe in giving back to the kiting community . This whole kite festival weekend is subsidized by them . They provide the location for two evening meals , door prizes, competition prizes and the list goes on . We thank them for that.

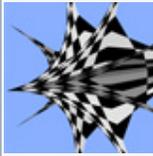
Spectre , did you fly your new 12 pointer this weekend???  
Let us know.

CLIFF

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spectre



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

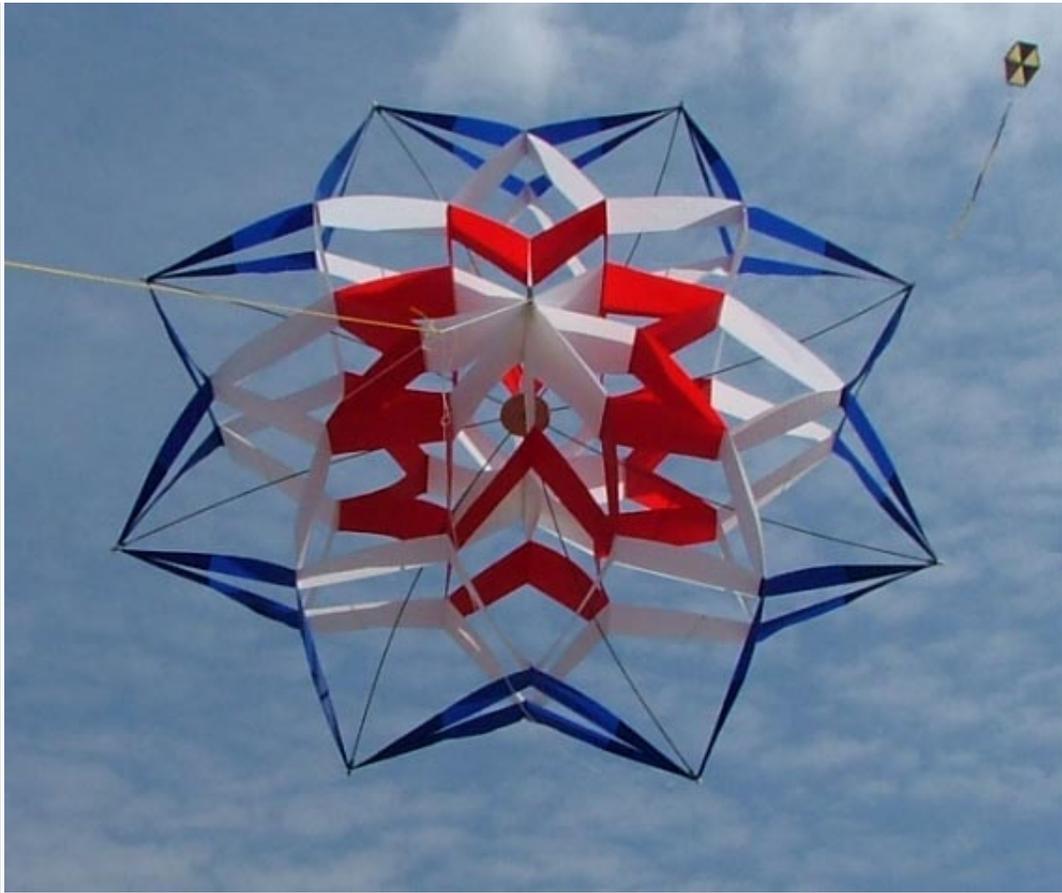
Posted: Mon Sep 27, 2004 5:42 pm Post subject:

QUOTE

WOW, CJQ

So the doublestars take two first place in the opposite sides of the worlds. One of our Kite Club members take the first place in competition in Kite Festival. This one is smaller but it is the winner.

Here is the winner:



Best Winds,  
Ferruh Baysu

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Mon Sep 27, 2004 5:46 pm Post subject:

[QUOTE](#)  
[EDIT](#)

Congratulation for your prize Cliff! 😄 😄 😄 This kite is sure a great looking kite and a nice flyer.

Spectre, your 12 pointer D.S. looks great 😄 😄 and thanks for sharing your plan.

I think we should try to find the inventor of this kite to congratulate him or her and show how his/her design is evolving and winning prizes.

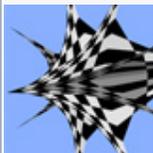
Smarties 😄  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😄 😄

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon Sep 27, 2004 5:57 pm Post subject:

[QUOTE](#)

Hi, smarties

There is an information about the plan of the kite. In the link below, bjorn says that there is a plan of it on "drachen magazine" on mid of 90s. May be he can help us about finding the designer.

[http://www.aerialis.no/community/modules/newbb/viewtopic.php?topic\\_id=392&forum=6&post\\_id=2262#forumpost2262](http://www.aerialis.no/community/modules/newbb/viewtopic.php?topic_id=392&forum=6&post_id=2262#forumpost2262)

Best Winds,  
Ferruh Baysu

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<b>Mountain Man</b> Kitebuilder of the Year 2003  Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada	<input type="checkbox"/> Posted: Mon Sep 27, 2004 8:41 pm    Post subject:			
	<a href="#">QUOTE</a>			
	Congrat Cliff ! that was super ! and yes its the best kite I have flown to date even with the heavy spars ! Cliff can you send me info on what you did and size of spars? and modification to the hub? sounds great im sure much easier to put up ? right? again congrat! 😊			
	Bernie the Mountain Man Paint the sky... "Fly a Kite!"			
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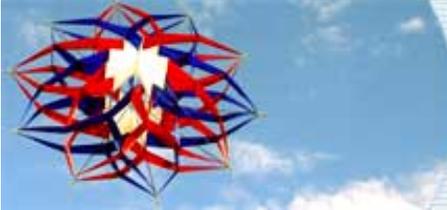
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Double star plan Goto page Previous 1, 2, 3 ... 35, **36**, 37 ... 67, 68, 69 Next

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>   <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Sep 27, 2004 11:00 pm    Post subject: D.S. Weight Reduction <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Bernie , Thanks for compliment, it was the kite. The star flew very well on the first day we were there. the winds that day were prox 15 mph. and steady. The spars I used are 2800's. sixty inches long. In order to use them and because I needed 63 inches for my star I had to extend them by 3 inches. I cut 4 inch peices of 10 mm spars and glued them 1 inch on to the 2800's. thus giving me the length I needed. The other end got a 1 inch sleve of 10 mm to increase the 2800 dia to match my fittings. Doing so also allowed me to re -use my hub. The hub as I previously mentioned was reduced in diameter for additional weight loss. The following day the wind started out at around 4 to 5 mph. at about 5 to 6 mph the star would go up and maintain height if I walked back slowly . At around 6 to 7 mph the kite would stay up on its own. So the range for flight is prox 7 to over 15 mph. I am not worried about winds up in the upper teen's as you can adjust the attack angle to dump the higher force. The 2800's assume a slight bow when under sail tension. the flex is about 3/4 inches at the center. that did not appear to change at higher winds. I feel confident in the spar size selection. At first my thought was I now have a set of low wild spars and a set of wigh wind . Now after testing, the 10 mm spars will be used on a future kite of some sort. Or maybe on a 12 pointer???? dont know yet. Hope this helps you star builders.</p> <p>CLIFF</p>
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<p><b>bjornng</b></p>  <p>Joined: 04 Mar 2004 Posts: 26 Location: Sweden, Orebro</p>	<p><input type="checkbox"/> Posted: Tue Sep 28, 2004 5:54 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/>

**spectre wrote:**

There is an information about the plan of the kite. In the link below, bjorn says that there is a plan of it on "drachen magazine" on mid of 90s. May be he can help us about finding the designer.

[http://www.aerialis.no/community/modules/newbb/viewtopic.php?topic\\_id=392&forum=6&post\\_id=2262#forumpost2262](http://www.aerialis.no/community/modules/newbb/viewtopic.php?topic_id=392&forum=6&post_id=2262#forumpost2262)

Hi, spectre and thanks for your doublestar plan and all the great pictures!

Yes, there is a plan for a similar kite (8 point, 2 m diam.) in Drachen Magazin, Issue 8 of 1998. There it's called Starflake. The author of that plan is Dr Bernard Malle from Germany. However, I don't think he is the designer/inventor. He writes in the article that he had seen it on a video from a Fanoe Kite Meeting and wanted to make one himself. (Just like you, spectre 😊)  
 More infos on Drachen Magazine kite plans (in German): [http://www.kai-splett.de/dra11\\_1.htm](http://www.kai-splett.de/dra11_1.htm)

I am planning to make an 8 point, 2m Doublestar myself (using your plan) as a winter project. The winters are loooong here in Scandinavia... 😞

/bjorn

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**KiteSquid**  
 Master Kite Builder



Joined: 29 Aug 2003  
 Posts: 6248  
 Location: USA Virginia King George

Posted: Tue Sep 28, 2004 9:23 am Post subject:

[QUOTE](#)

**spectre wrote:**

Hi, Kitesquid thanks for your words. But before I said, I not the designer of the kite.

I saw this kite first in year 2000 and than 2002 in the air. And I build my own plans at home. Probalby the panels are different from the other ones which I saw.

I stand corrected, but thanks for your AutoCAD skills!!!!!!!!!!

VR/  
 KiteSquid  
 AKA TakoIka  
 AKA Harold  
 King George VA

P.S. Yet another post by the Squid..... 😞 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**sharky**



Joined: 22 Mar 2004  
 Posts: 30  
 Location: Norway

Posted: Tue Sep 28, 2004 4:03 pm Post subject:

[QUOTE](#)

I just found this pic on the [www.aerialis.no](http://www.aerialis.no) gallery



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<p><b>KiteSquid</b> Master Kite Builder ★★★★★  Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Tue Sep 28, 2004 4:30 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>WOW!!!!!!</p> <p>That looks GREAT!!!!!</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 😞 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>Mountain Man</b> Kitebuilder of the Year 2003   Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Tue Sep 28, 2004 7:29 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>now tthat could be the sky in Dieppe Canada 2005 if things go right we could have a dozen of them in the mass assention of Double Stars !</p> <p>Now that would be beautiful !..... 😊 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>smarties</b>  Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Tue Sep 28, 2004 8:56 pm Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Seems like there's another group that built double stars. 😊 😊 Thanks for the picture. 😊</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊 😊</p>
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<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Wed Sep 29, 2004 1:50 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Thanx. but i am not the person that did take that picture it was a kiteflyer caling himself force10 that entered it to the aerialis photo contest . i think he is from germany and a cople of the kites on that picture is on the picture with three DS i did take in cuxhaven this summer and that leads me to think there is a few DS fans in germany</p>
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<p><b>dpb</b> Master Kite Builder ★★★★</p>  <p>Joined: 17 Dec 2003 Posts: 568 Location: Portland, OR</p>	<p><input type="checkbox"/> Posted: Wed Sep 29, 2004 8:23 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>So how would you go about judging the cellular catagory entries at an event like that? ☺</p> <p>Dave</p> <hr/> <p>Cherry Blossoms fall like rain, A lively kite steals the sky, Paradise in a moment.</p>
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<p><b>kiteguy</b> Kitebuilder of the Year 2005 ★★★★</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Wed Sep 29, 2004 11:07 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p><b>dpb wrote:</b></p> <p>So how would you go about judging the cellular catagory entries at an event like that? ☺</p> <p>Dave</p> </div> <p>Sometimes judging at an event is not necessary. Just standing around in slack jawed admiration, surrounded by wonderful kites is enough.</p> <p>I feel much like that at every mass assention (sp) I have taken part in. ☹ ☹ ☹</p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>
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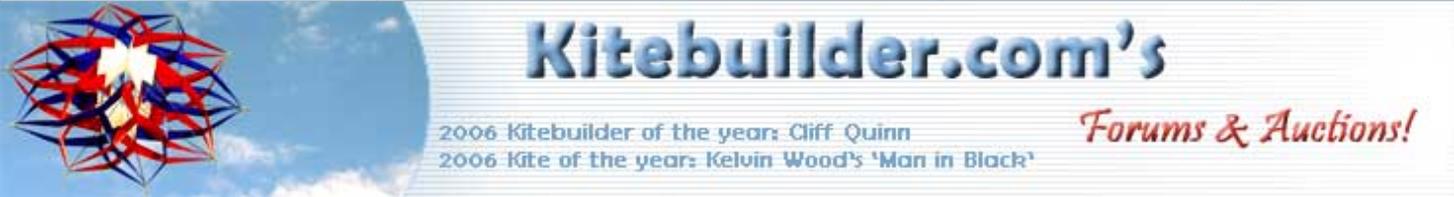
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Author	Message
<p><b>Mountain Man</b> Kitebuilder of the Year 2003</p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Wed Sep 29, 2004 11:32 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <p>I agree with kite guy! I prefer no judging on Mass assertions ! no need the wwwwoooooooooooo and hhhhhhhhhhhhaaaaaaaaaaaaaa of the crowd is all we need ! then its was worth the building work you did !</p> <p>that is my 2 cents (canadian) not worth much LOL 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
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<p><b>KiteSquid</b> Master Kite Builder</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p>Posted: Thu Sep 30, 2004 9:38 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>dpb wrote:</b></p> <p>So how would you go about judging the cellular catagory entries at an event like that? 😊</p> <p>Dave</p> </div> <p>The tie would probably be broken in the craftsmanship scores....</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Thu Sep 30, 2004 11:08 am Post subject: QUOTE

I've been busy with family stuff but I finally got one set of "A " pieces together. I have the whole day Sat with no one home so I should make progress. Hope to have photos of at least the completed top half by this weekend 😊

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Mon Oct 04, 2004 2:09 am Post subject: QUOTE

Got started later Sat than I had hoped. I got a little sewing done. But then it was a choice between sitting in the basement sewing or throwing a steak on the grill for dinner and sitting down to a good action film with a beer 😊😄 So a couple of hours later when I finally got back to sewing, I did make some progress. I must say that seeing the kite grow is much more fun than watching the pile of hemmed pieces grow 😊 Sunday was spent working an early overtime shift and driving 300 miles round trip to retrieve my son from grandma, but I did manage to get all of the A, B and C pieces for the top done. I'll start on the bottom tomorrow. I'm waiting on the D pieces until I figure out exactly how I want to do the tips. I'll post progress photos tomorrow.  
I am getting excited to see the kite done 😊

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon Oct 04, 2004 9:40 am Post subject: D.S. QUOTE

HI Grant, Glad the excitement is still growing also. Does that mean you didn't decide on fittings either??  
CLIFF

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

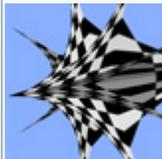
Posted: Mon Oct 04, 2004 4:06 pm Post subject: QUOTE

Hi Cliff.  
I have the fittings. Just trying to decide how to get from the tips, to a string, to a fitting 😊 Right now I am thinking about insignia cloth, ( color matching,) on the D tips. Grossgrain [Webbing](#), ( color matching tips,) going through plastic rings, ( like those used in the Gary's square star,) to adjacent tips. Dacron line, with knotless knot, around plastic ring going through fitting at end of spar.  
This way I will have one line from the bottom and one from the top going through each of the ten spar tip fittings. This will give me the ability to adjust each of the twenty tips seperatley. Once they are adjusted, I should be able to slip the fitting off of the spars when I take the kite appart, ( ready to go for the next time.) 😊  
Anyon see any problems with this plan 😊

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spectre



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Mon Oct 04, 2004 5:05 pm Post subject:

QUOTE

Hi, Yesterday I went to fly my 12 point DS again. First I went the area there is no wind but after I finish the building kite the wind comes. It was 7-8 mph. The kite flies well but there is a problem with my spars. The spars which I connect bridle bends too much. The 10 mm spars are thin for 3.4meter kite. Probably I'll insert 8 mm Carbon inside these spars. May be this solves my problem or I'll use 12 mm on these spars.

But don't forget that the Avia 10mm spars are different from my spars. Avia's are thicker than my spars. Avias are 68gr per meter, mine's are 43 gr.

Here is the panel dimensions, A0 pdf plot files and Autocad files for mm and inch. These is dimensions for a 3meter kite. I made 3.4meter one.

[http://www.ucurtma.org/images/plans/doublestar/12pds\\_3m.zip](http://www.ucurtma.org/images/plans/doublestar/12pds_3m.zip)

Best Winds,  
Ferruh Baysu

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Grant L

Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Tue Oct 05, 2004 12:39 pm Post subject:

QUOTE

Here are the A, B and C pieces for the top. Making porgress 😊



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**CJQ**  
 Grand Champion,  
 Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA - USA

Posted: Wed Oct 06, 2004 9:06 am Post subject: D S Progress

[QUOTE](#)

Hi Grant , looks like your learning your A B C'S real well. Reminds me when I was building. Take notice how nice and flat the sail lays . Guess what , when you finish the final sew and the sail becomes round it dont lay flat any more . that drives me crazy. I have this thing about wrinkles - Ihate them . No mater how you will roll it up it will get big wrinkles , ya well! Kite looks good Bud keep up the progress. Oh BTW tell us what method you select for the tip fastening.

CLIFF

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**smarties**



Joined: 05 Nov 2003  
 Posts: 1791  
 Location: Dieppe, NB, Canada

Posted: Wed Oct 06, 2004 9:22 am Post subject:

[QUOTE](#)  
[EDIT](#)

Grant,  
 Looking good. I like your choice of bright colors. Keep us posted. 😊

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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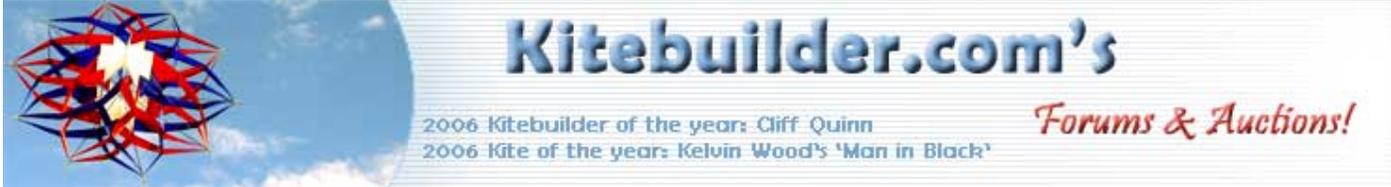
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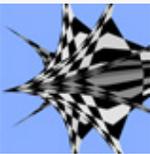
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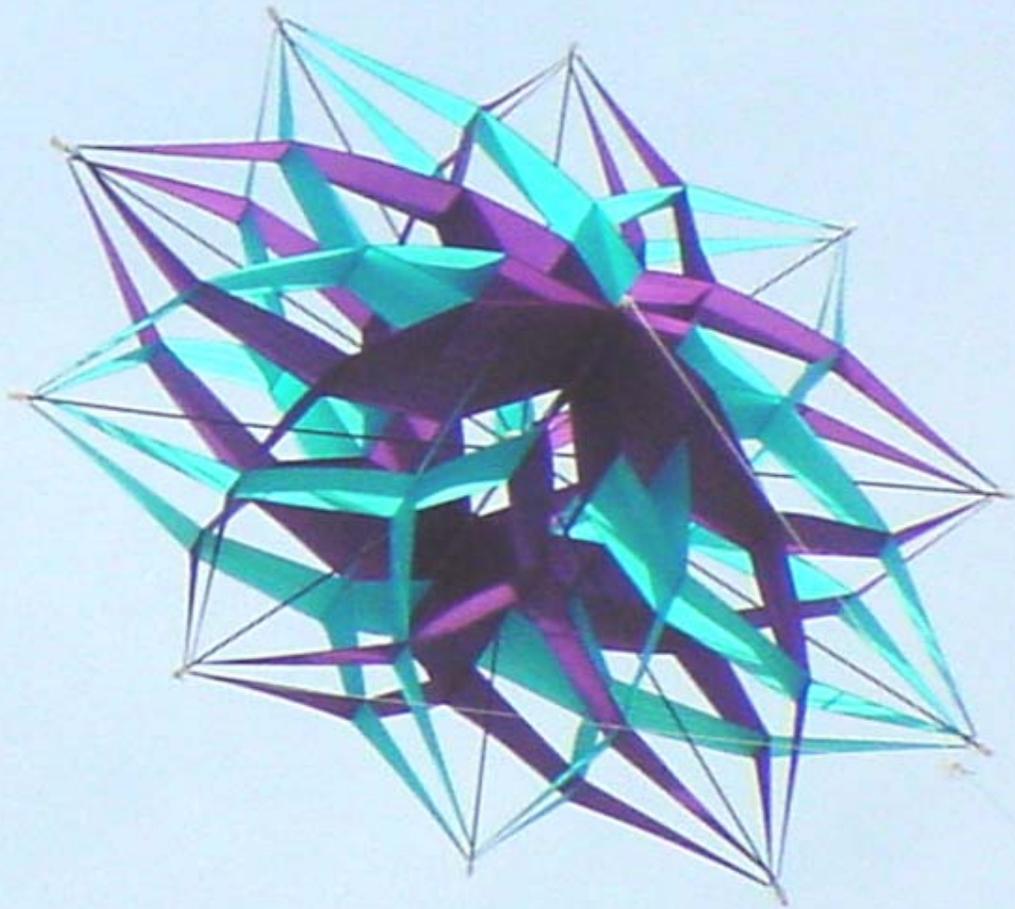
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Author	Message
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p> <p><a href="#">Back to top</a></p>	<p><input type="checkbox"/> Posted: Wed Oct 06, 2004 1:36 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I like the shining red. What will be the last color?</p> <hr/> <p>Best Winds, Ferruh Baysu</p> <p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a>  <a href="#">MSNM</a> </p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Wed Oct 06, 2004 5:17 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Mine will have a white center and the rest is blue and red in the pattern like Cliff's 😊</p>



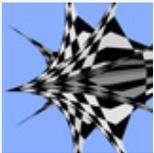
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**spectre**

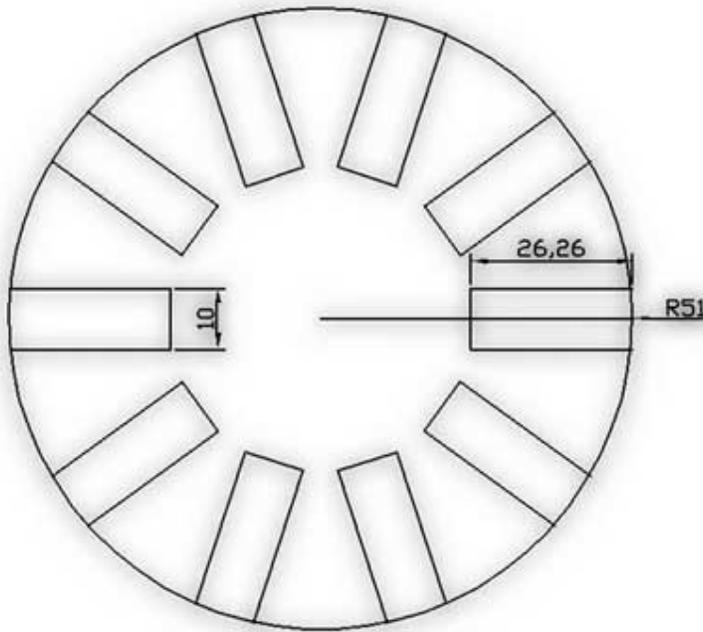


Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Thu Oct 07, 2004 3:21 am    Post subject:

[QUOTE](#)

Hi, My old wooden HUB broken several times. Now I have a new strong one. But not wood, it has a less diameter but weigh more than wooden one. It works well. HERE is the dimensions(in mm) of my new HUB.



Best Winds,  
Ferruh Baysu

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Thu Oct 07, 2004 8:47 am Post subject:

[QUOTE](#)

What material did you make the new hub out of?

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN Indianapolis

Posted: Thu Oct 07, 2004 1:09 pm Post subject:

[QUOTE](#)

I wasn't happy with my first attempt at sewing the "A" pieces together, so I ended up starting again and using the bottom A pieces to make the top, ( I got my technique figured out and all went smooth the second time around.) I went back to cut out the extra pieces to make the bottom A section, This is how much I had left when I was done 🙄 **ALWAYS BUY EXTRA.** I really lucked out this time 😊 😊



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**Progcraft**  
Kitebuilder of the Year 2004



Joined: 29 Sep 2003  
Posts: 4023  
Location: Montreal, QC,  
Canada

Posted: Thu Oct 07, 2004 1:33 pm Post subject:

QUOTE

**Grant L wrote:**

I wasn't happy with my first attempt at sewing the "A" pieces together, so I ended up starting again and using the bottom A pieces to make the top, ( I got my technique figured out and all went smooth the second time around.) I went back to cut out the extra pieces to make the bottom A section, This is how much I had left when I was done 😞 **ALWAYS BUY EXTRA.** I really lucked out this time 😊😄 ]

Looks like lot's of fabric to me I'd bet you could make almost a full Eddy kite with all of that 😊

P

There is no box

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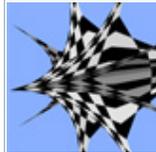
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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Fri Oct 08, 2004 1:24 am Post subject:

QUOTE

My friend made me the HUB for me. He told me that it is Delrin. It is two times stronger than UHMW.

<http://www.interstateplastics.com/meta/fmdel.htm>

Best Winds,  
Ferruh Baysu

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**rbojarski**  
Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn, Washington

Posted: Fri Oct 08, 2004 1:27 am Post subject:

[QUOTE](#)

I finally got all the sewing done on my double star. The colors from the center out are white, raspberry, yellow, and purple. I'm going to use the MAKR fittings Steve sells for tensioning out the sail. I put loops (or tabs) on the ends of all the parts D, then attached 18 inch long lines to each of the tabs, then threaded the line thru opposite ends of the MAKR fitting. The intent (with Cliff's suggestions) is to leave the fittings unattached to the radial spars. During assembly, I can slip the fittings over the spar and tighten up the strings to tension out the sails. Sorry, I didn't take any pictures. I then tried to assemble the kite. Got to about the 4th spar and discovered I got something horribly twisted on one of the boxes while attaching the lines to the MAKR fittings. I had to detach half the lines from the fittings and untwist the kite. I decided to quit at this point and try the assembly again tomorrow.

The kite pretty much takes over whatever space you use to try to assemble the beast. Not quite sure my living room is large enough (10+ foot diameter circle) to assemble the DS. I think it may just barely fit, with no room left over.

Haven't even thought about trying to make a storage bag for this, yet. Cliff and Bernie....what did you end up doing for a storage bag?

Ray Bojarski

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Oct 08, 2004 8:29 am Post subject:

[QUOTE](#)

I made a bag that is about 5ft 4in long and about 10 inch diameter I leave the center knob and center spar on the kite just roll everything on the the center spar then put it in the bag ! I will try to take a picture later today and post it tonite !

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**rbojarski**  
Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn, Washington

Posted: Fri Oct 08, 2004 8:43 am Post subject:

[QUOTE](#)

Bernie.....Thanks for the comments about the bag. I was planning to leave the 'boxes' attached to the center spar, and then just wrap the kite up around the center spar. I just straightened out (I hope) the lines thru the MAKR fittings and rolled up the kite around the center spine. The last couple of wraps just aren't all that neat with everything wrapping around each other. I haven't tried to assemble it again. Maybe later on today. I have to head out later to get some 1.5 ounce material to make the bag for the DStar.

Ray Bojarski

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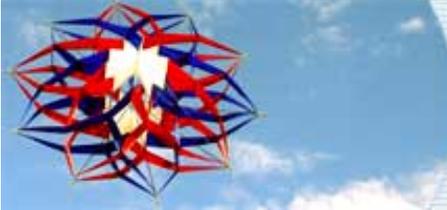
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2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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<p><b>KiteSquid</b> Master Kite Builder ★★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<div style="text-align: right;"><input type="button" value="QUOTE"/></div> <p><input type="checkbox"/> Posted: Fri Oct 08, 2004 9:14 am    Post subject:</p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>spectre wrote:</b></p> <p>My friend made me the HUB for me. He told me that it is Delrin. It is two times stronger than UHMW.</p> <p><a href="http://www.interstateplastics.com/meta/fmdel.htm">http://www.interstateplastics.com/meta/fmdel.htm</a></p> </div> <p>Derlin is a GREAT choice for this part!!!!</p> <hr style="width: 25%; margin-left: 0;"/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>						
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<input type="button" value="WWW"/>							

**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Fri Oct 08, 2004 10:24 am Post subject: [QUOTE](#)  
[EDIT](#)

---

I got this comment from a mechanical engineer friend about Delrin. I though it might be useful to know this:

"Delrin is a good material, and is very easy to machine. The problem is, it absorbes humidity easier than metals, so it will change in dimensions when in the presence of humidity, and it doesn't need much. At Comdev, the guys use to joke about it changing dimensions while you were holing it in the palm of your hand. Another caractiristic of delrin is, if you burn it, it sends off toxic fumes. Trust me, I know that one for a fact. Rick Saulnier does too.

So if you use it in an environment were tolerances are loose, and no chance of fire, it would be OK. Practically every machine house in town knows of delrin, and carries it."

---

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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**KiteSquid**  
Master Kite Builder  
★★★★



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Fri Oct 08, 2004 10:43 am Post subject: [QUOTE](#)

---

While I was in the Navy the first firecontrol system I worked on used Teflon insulation on its miles of wireing...

When Teflon burns it gives of Diphosgine (SP?) gas. A nerve agent....

So we would have to solder carefully.

My first experance with Derlin was back when I raced RC cars and I would replace every alumnninum part with a Derlin part to save weight, Especially unsprung mass.....

---

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA ALLENTOWN

Posted: Fri Oct 08, 2004 11:43 am Post subject: [QUOTE](#)

---

Just to confirm Ray... those fittings are called MKS Fittings. You got the wrong kitebuilding retreat! MKS = Maryland Kite Society.

Find them [HERE](#) Click on the photo for more information.

---

**Steve Ferrel**  
[Kite Studio - Go Build a Kite!](#)  
[Measure once, buy twice!](#) 🛠️

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<p><b>rbojarski</b> Master Kite Builder ★★★★  Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Fri Oct 08, 2004 11:26 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>At least I got the first letter right. That's pretty good for an old guy (me). I'm a computer guy, but I hate acronyms. That's why I got the name wrong.</p> <p>Ray</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Grant L</b> Kite of the Year 2004   Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Fri Oct 15, 2004 6:16 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p><b>ALL</b> of the A, B and C pieces are sewn together. I'm going to make some test pieces for the tips tonight and then get busy on the D pieces when I am happy with the results. It's getting even more fun to work on it as the kite grows. I hope to have a finished kite by next week 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Mountain Man</b> Kitebuilder of the Year 2003   Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p><input type="checkbox"/> Posted: Fri Oct 15, 2004 8:20 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>that is the way I was when I build mine! I know you will enjoy flyin this DS ....looking foward to seein pics of it flying ! have fun sewing.... 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>sharky</b>  Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Tue Oct 19, 2004 11:41 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>it just wonder how many have made or are making a DS at this moment</p> <p>I am in the midle of the building prosses right now (just a short pause in it until i have fixed a cople of long overdue things in the house 😊 or else my wife will go 😡)</p>
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**KiteSquid**  
 Master Kite Builder  
  
 Joined: 29 Aug 2003  
 Posts: 6248  
 Location: USA Virginia King George

Posted: Tue Oct 19, 2004 2:20 pm Post subject: QUOTE

I would LOVE to build one but right now I am building a deck that is more like building the great wall of china.... It is taking me a LONG time to finish..

---

VR/  
 KiteSquid  
 AKA TakoIka  
 AKA Harold  
 King George VA

P.S. Yet another post by the Squid..... 😞 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

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**wdrwilson**  
  
 Joined: 24 Oct 2003  
 Posts: 1359  
 Location: Canada, Nova Scotia, Halifax

Posted: Tue Oct 19, 2004 3:31 pm Post subject: QUOTE

I have been in the middle of building one for a while.. but the amounting of heming involved has kept me procrastinating and doing other faster projects... It will be done by next spring for sure. 😊

--Bill

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Author	Message
<p><b>Mountain Man</b> Kitebuilder of the Year 2003 </p>  <p>Joined: 04 Sep 2003 Posts: 1093 Location: NB Canada</p>	<p>Posted: Tue Oct 19, 2004 7:49 pm Post subject:</p> <p>well Sharky ... Cliff and I were among the first 3 on the forum to build it as you will see in the thread! really was fun building and fun flying a really good feeling flying this kite!</p> <p>hope every one that are building or have one done come and say Hi ! would love to know how many we could have here for the Dieppe Kite festival 2005 here in NB Canada ! 😊</p> <hr/> <p>Bernie the Mountain Man Paint the sky... "Fly a Kite!"</p> <p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
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<p><b>rbojarski</b> Master Kite Builder </p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Tue Oct 19, 2004 10:22 pm Post subject:</p> <p>I'm finished with my double star, except for bridling and flying. I took it with me to the AKA convention, but never got around to trying to fly the kite. I'll try to get it down to the local kite shop on saturday to see if we can find enough room to assemble the kite, add the bridle lines, and take some pictures.</p> <p>Ray Bojarski</p> <p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
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<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Sun Oct 24, 2004 10:46 pm Post subject:</p> <p>I put the double star together yesteday at the local kite shop. The kite took up most of his shop. The MKS fittings seem like they will work, but I did have some problems trying to get equal tension on all of the 10 rods. I now have a question about how to attach the bridle lines to the kite. The <a href="#">Bridle Line</a> from the center hub will not be a problem. I have a tension line pulling the boxes into the center of the kite, so I can just attach the center line to the grosgrain loop attaching the front box to the central spar. Any ideas how to attach the bottom two bridle lines to the lower spars the will allow the bridles to remain in a fixed location, and not either slide up the spar to the center of the kite, nor pull the MKS fitting off the spar?</p> <p>I forgot to bring along a camera, so I have no pictures of the kite. The owner of the kite shop was impressed with the kite, and is seriously thinking about building one.</p> <p>Thanks, Ray Bojarski</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006 🏆★★★★</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Sun Oct 24, 2004 11:07 pm Post subject: D.S. Ready to fly!!</p> <p>Hi Ray , happy for you, glad it's done. The two bridle attachment points can be a simple larkshead loop an the two tips just inside the end caps. Take a soft vynyl end cap and slice off some peices and slide two onto each spar just inside of the adjustable cap . seperate them an 1/8th of an inch ,then put a dab of glue on each to prevent them from sliding.Take a loop of line and larkshead onto the spar letting a pigtail about two inches long. That can remain on the spar when stored. Your bridle then will have a loop so you can larkshead to the spar loop. Now you dont have to distrub the adjustment at breakdown time. Dont forget pictures!!! CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Grant L</b> Kite of the Year 2004 🏆</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Mon Oct 25, 2004 1:58 am Post subject:</p> <p>Mine is going to take a little longer. I got the smart idea of offering to make the kids mummy costumes for Halloween. 😊 ( Much more time consuming than you would think.) I have gone through more bobbins of thread sewing my son's, than I used sewing all of the DS so far. And I still have my daughter's to sew. Not complaining because I love making stuff with/for the kids, but I'm getting anxious to see <b>MY</b> kite all assembled. 😊</p>
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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Mon Oct 25, 2004 9:41 am Post subject:

QUOTE

Oh, but it shounds to me like your children are sooo much more important to you than a kite..

Great job dad....

---

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Grant L**  
Kite of the Year 2004

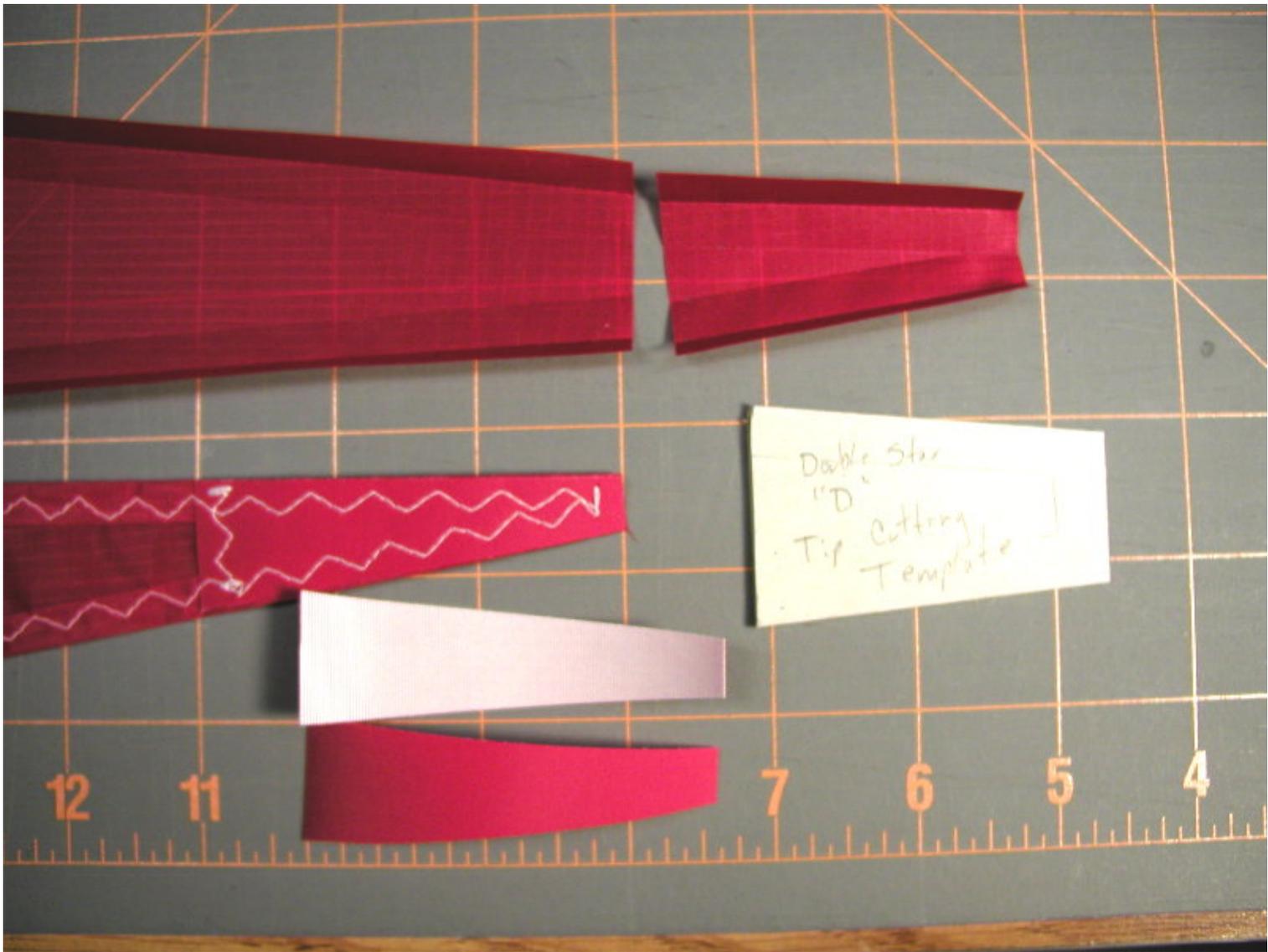


Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN Indianapolis

Posted: Thu Oct 28, 2004 12:03 pm Post subject:

QUOTE

Halloween costumes done. Back to sewing kites 😊 I'm adding reinforcement to the D piece tips. The D pieces come to such a sharp point when you fold the hem, so I cut the end 2" off, ( this leaves the width of the tip the same as the width of the grossgrain ribbon that will get sewn on.) I applied insignia cloth to white dacron reinforcement pieces and cut them into a shape that match the shape of the tips and are 3" long. These pieces then get sewn to the tips. The ends in sight. Getting excited 😊



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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Thu Oct 28, 2004 2:58 pm Post subject: DS Tips

QUOTE

Hi Grant, Y E S The tips look good , good re-enforcement and fine job stitching. Go for it!!

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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

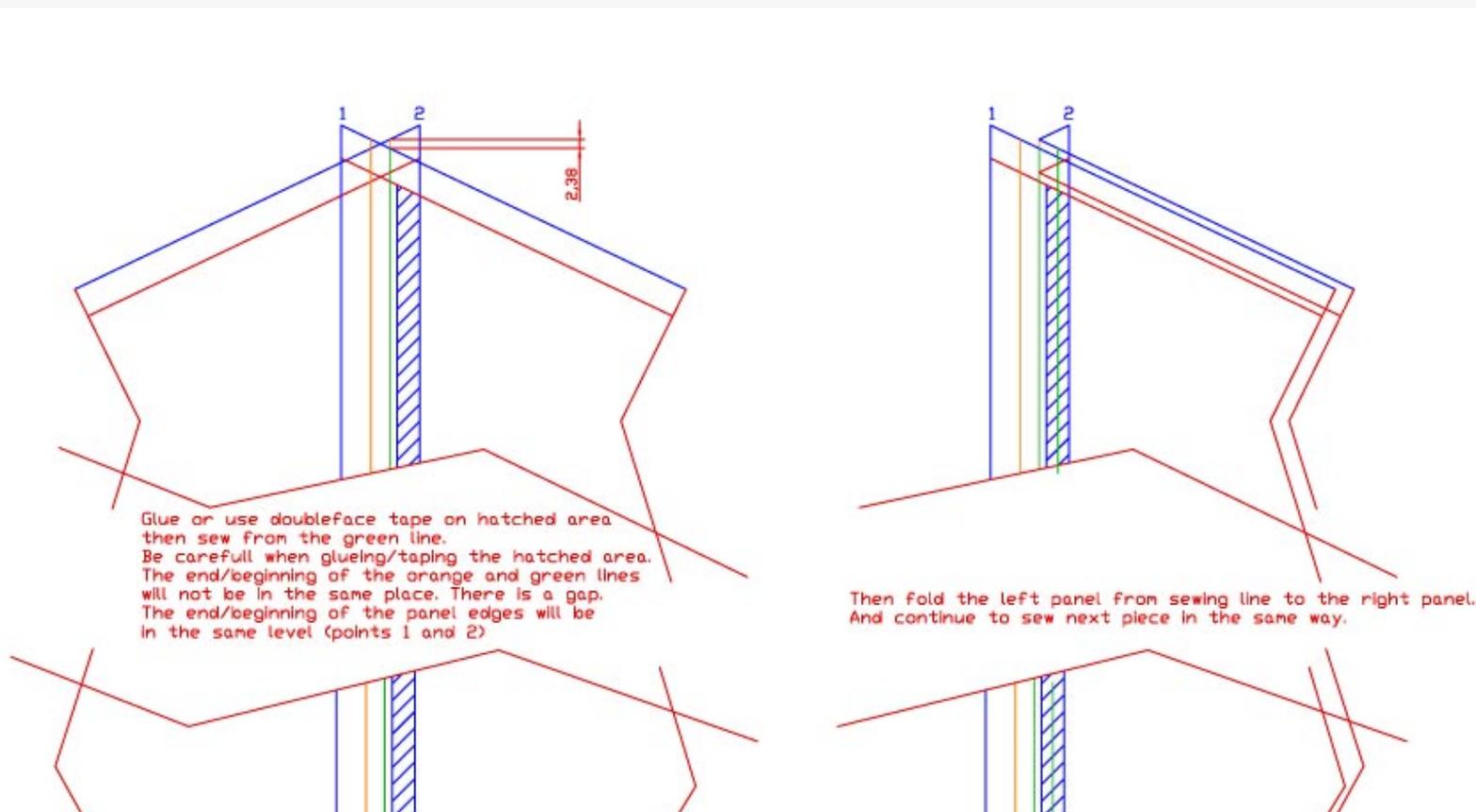
Posted: Thu Oct 28, 2004 6:06 pm Post subject:

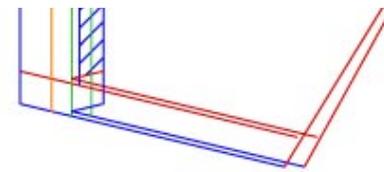
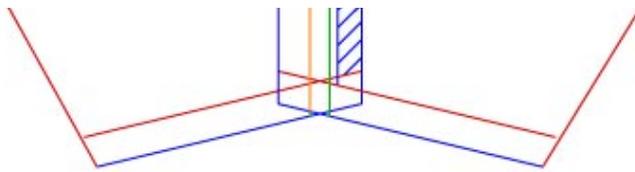
QUOTE

Hi, Grant

Very nice detail and very good sewing. Better then mine.

I am taking questions about sewing the center of the kite. I made a drawing.





Co you think that this helpfull or not? Do you have any suggestions?

Best Winds,  
Ferruh Baysu

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Thu Oct 28, 2004 6:38 pm Post subject: DS Sewing Plan

[QUOTE](#)

Hi Ferruh, Looked at the line dwg. above, the one on the right helps a lot. I think the line dwg. that you posted long time ago along with the picture on the right together make it much easier to understand the sewing procecedure. ( the picture that has printed Panel A X 10 showing a line dwg. of an end view of the sews.)I went back to very early posts and saw you show the other stars people have made from your plan , It must make you proud !!

CLIFF

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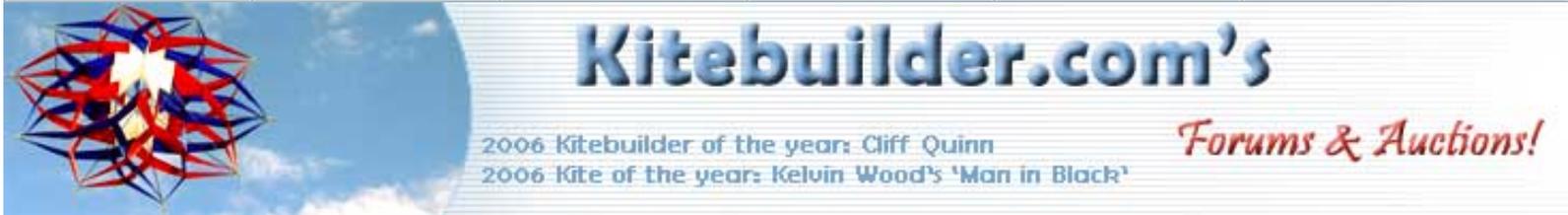
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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Thu Oct 28, 2004 7:33 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Ferruh, The diagram does help show how to sew them together. I used something similar. On my cutting mat, ( it has grid lines which help,) I line up the left edge, ( under point 1 in your diagram,) with one of the grid lines. I put a piece of tape, perpindicular to this grid line at the tip of point 1. I then line up another piece of tape, parallel to the grid line, and a distance equal to the three hem allowances, ( 8mm + 5mm + 8mm .) away, (going down from point 2 in your diagram. Line up the first piece with the grid line. Place the second piece, ( good to good,) on top of the first piece, lining up the edge with the tape( I could just make out the tape edge through the <a href="#">Ripstop</a> to line up the second edge.) I lined up point 2 with the perpindicular tape, ( so it will be the same height as point 1,) and using double sided tape, stick them together. Every now and then as you are sewing, lay them out and see how consistant you are. You might have to make minor adjustments. When I finished mine, it wasn't perfectly lined up, but good enough that when I sewed the first to the tenth, it all worked out. Thanks again for providing all of the plans and info. Steady Winds, Grant L</p>
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**Grant L**

Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Tue Nov 02, 2004 5:49 pm Post subject:

[QUOTE](#)

Bottom done. Just have to connect the tips. twenty D pieces to sew to the top. Should be time to spar soon 😄😄😄



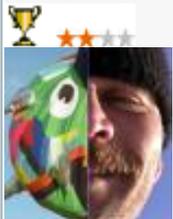
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**Procraft**  
Kitebuilder of the Year 2004



Joined: 29 Sep 2003  
Posts: 4023  
Location: Montreal, QC,  
Canada

Posted: Tue Nov 02, 2004 6:02 pm Post subject:

QUOTE

I really like that blue 😊  
Looking good. I bet you'll feel really good when it flies. That's a lot of work and you should be proud of it 😊

Cheers,  
P.

There is no box

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Tue Nov 02, 2004 8:50 pm Post subject: Grants D.S.

QUOTE

Well Grant ,The star is STRIKING , love the presents it projects. What color blue did you use --so rich.By the way very impressive room it is displayed in , makes your star look small!! Very fine Job. That would have done extremely well scoring in the AKA kite making competition in Seaside. How about in 05 at ocean city MD. gona try?

CLIFF

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Tue Nov 02, 2004 10:03 pm Post subject:

QUOTE

Thanks Cliff and Terry,  
The blue is Challenge dark blue seconds. I had to move a table and a chair out of the way to have enough room to spread out the kite. I knew it would be big, but it takes spreading it out to see how big it really is. I am really excited to finish it. I would love to go to the nationals, but it will always be during the school year. Our schools really penalize the students for absence, ( its all about funding 😞 ) I got to go to Dayton last year because it was within driving distance. I am planning on taking the whole family to Dieppe next summer though 😊 I asked and the kids agreed to be my ground crew for the DS mass launches 😊😊

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006  
  
  
  
Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Tue Nov 02, 2004 10:22 pm Post subject: DIEPPE 05

[QUOTE](#)

Hi Grant, I will be in Dieppe for sure!! Cant wait. Those Canadians say they know how to put on a wild party(scuse me ,Kite event) that cant be topped. We shall see!!

CLIFF

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**pb**

Posted: Wed Nov 03, 2004 5:58 pm Post subject:

[QUOTE](#)



Joined: 10 Jul 2004  
Posts: 296  
Location: Portland Oregon

Grant, Very nice kite and in my colors too... how did you know. So how many hours of sewing so far?? It looks like all the hours are well worth it!

PB

Life is short, Let's have fun!

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**Grant L**  
Kite of the Year 2004  


Posted: Thu Nov 04, 2004 3:02 pm Post subject:

[QUOTE](#)



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

              Just finished . Its really big and looks really nice. A little adjusting and I'll try to get photos this weekend, ( on the way out the door to work right now 😞 )

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Thu Nov 04, 2004 3:05 pm Post subject: DS FINISHED

[QUOTE](#)

JA-HU Grant!!

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**Fool**



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH

Posted: Thu Nov 04, 2004 4:00 pm Post subject:

[QUOTE](#)

I guess I'm comin in a bit late. But I'm planning on making one of these DS's mentioned here so many times over. . . 😊 I don't think I'll have it finished really soon unless the winter months get me more motivated to sit in front of the machine. I have quite a few colors to choose from spectre you mind sending me the autocad drawing so I can play around with colors? Email it to [lowerdfool@yahoo.com](mailto:lowerdfool@yahoo.com)

Chris Taylor  
Dayton, OH  
[lowerdfool\(at\)yahoo\(dot\)com](mailto:lowerdfool(at)yahoo(dot)com)

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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
 2006 Kite of the year: Kelvin Wood's 'Man in Black'

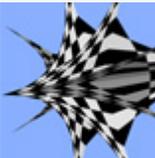
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Author	Message
<p><b>spectre</b></p>  <p>                     Joined: 11 Nov 2003                      Posts: 114                      Location: Ankara, Turkey                 </p>	<p> <input type="checkbox"/> Posted: Fri Nov 05, 2004 5:54 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Hi, Grant</p> <p>We are waiting for the pictures. I hope the sky will be blue and wind is enough.</p> <p>Here is the 3d autocad drawing of Ds. Fool, I hope you want this.</p> <p><a href="http://www.ucurtma.org/images/plans/doublestar/ds3d.zip">http://www.ucurtma.org/images/plans/doublestar/ds3d.zip</a></p> <hr/> <p>Best Winds, Ferruh Baysu</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> </p> <p> <a href="#">MSNM</a> </p>
<p><b>Grant L</b></p> <p>Kite of the Year 2004</p>  <p>                     Joined: 16 Sep 2003                      Posts: 1507                      Location: USA IN                      Indianapolis                 </p>	<p> <input type="checkbox"/> Posted: Fri Nov 05, 2004 5:57 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Here is the almost finished kite. I have to bridle it yet and tweak the sail. Not the best photo, but it was a little windy here, I had no helper, and this thing really wants to fly! 😊😊😊 Hope to get in-air shots this weekend.</p>



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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA  
ALLENTOWN

Posted: Fri Nov 05, 2004 6:16 pm Post subject:

[QUOTE](#)



Congratulations Grant - looks great! Cant wait to see it in the air....

Do you like the way the MKS Fitting worked? Can you get the tension real tight without slippage?

**Steve Ferrel**  
**Kite Studio - Go Build a Kite!**  
Measure once, buy twice!

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Fri Nov 05, 2004 6:26 pm Post subject:

[QUOTE](#)

Steve,  
I like the fittings. I found out that you need at least 75# test. I tried 50# at first and it would slip under tension. I will be adjusting and flying this weekend so I will get a better feel of how they will work out. If I need to, I can always go to 100# line. Can't wait to see it in the air. 😊

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Nov 05, 2004 6:44 pm Post subject:

[QUOTE](#)

we are all waiting to see it in the air ! 😊 warning! make sure you have good anchor if the wind is strong ! seen some day were I needed to anchor to my truck !! but the feeling ....and the rush you will get went it goes up ....man what a super flyer ! I know you will enjoy! Cliff and all the others can vouch for that statement ! hope for good winds ! 😊

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**stevef**  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA  
ALLENTOWN

Posted: Fri Nov 05, 2004 6:52 pm Post subject:

[QUOTE](#)

**Grant L wrote:**

Steve,  
I like the fittings. I found out that you need at least 75# test. I tried 50# at first and it would slip under tension. I will be adjusting and flying this weekend so I will get a better feel of how they will work out. If I need to, I can always go to 100# line. Can't wait to see it in the air. 😊

Good - let me know. I would think that after you have it all tensioned up - EQUALLY around the whole perimeter, you might want to put a mark on each line at the screw point. When I first discussed this fitting with Cliff I was worried that it would be too easy to tension it up UN-equally. So... square it up then add a reference mark - it will make it easier the next time...

Steve Ferrel  
**Kite Studio - Go Build a Kite!**  
Measure once, buy twice! 🐱

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**kiteguy**  
Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near  
Kansas City

Posted: Fri Nov 05, 2004 7:30 pm Post subject: Strangest thing....

[QUOTE](#)

I was browsing through a fighter kite web site to see some of the action at AKA Nats. and came across this photo. You will find things in the strangest places!!!

You may recognize one of these kites.



You can see a MUCH larger picture at this link:

<http://fighterkites.org/04aka/0410sea14.jpg>



Dave Ellis  
Kites + Kids = Education

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**stevef**  
Administrator  
  
Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA  
ALLENTOWN

Posted: Fri Nov 05, 2004 9:39 pm Post subject: QUOTE

---

Cliff, in the picture above that kiteguy posted, is your kite sparred with your light or heavy spar set?

---

**Steve Ferrel**  
**Kite Studio - Go Build a Kite!**  
Measure once, buy twice! 

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**smarties**  
  
Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Fri Nov 05, 2004 11:37 pm Post subject: QUOTE  
EDIT

---

Grant,  
Looking good. Way to go. I love your choice of color. 😊 Can't wait to see it in the air.

---

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊 😊

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**Doug LaRock**  
Master Kite Builder  
★★★★  
  
Joined: 12 Jan 2004  
Posts: 389  
Location: Yakima,  
Washington

Posted: Sat Nov 06, 2004 12:46 am Post subject: QUOTE

---

Grant

I'll add my two cents. It looks very good. I like the color balance. Hope it flies well for you.

Doug

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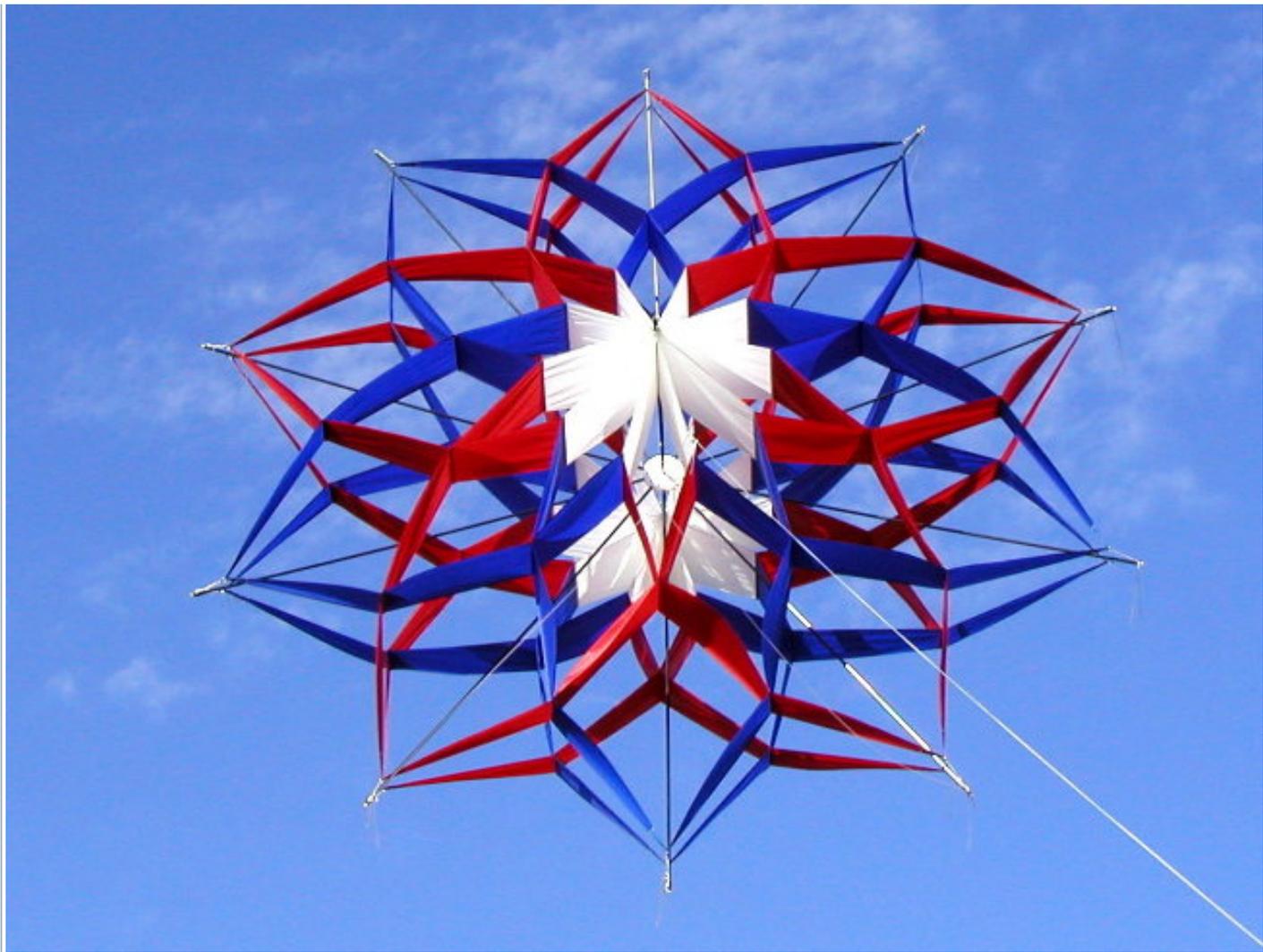


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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Sat Nov 06, 2004 7:59 pm    Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>I Finally got it in the air 😊 It flew great , even though it was bridled wrong. ( I didn't notice till I was setting it up, but it was too hard to change in the field. Plus the sun was going down fast 😞 )Thanks to Smarties for getting all this started and to Bernie and Cliff for leading the way and answering all of the questions. Also to Steve and Tony. The parts and fitting really worked great. ( I switched to 160# line for the MKS fitting and they seem to be holding fine under all the tension.) And to Spectre for the great detailed plans and assistance. I can't wait til Dieppe 😊😊</p> <p>The photo is a bit dark but the sun was pretty low in the sky. You can tell from the attached turf that the feild was a bit soft from the recent rain. In fact, the sun just ducked below the horizon as the kite touched down. What a way to end a really rewarding and fun project. 😊😊😊😊😊</p>



Last edited by Grant L on Wed Feb 16, 2005 2:23 am; edited 1 time in total

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**Mountain Man**

Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Sat Nov 06, 2004 9:18 pm Post subject:

QUOTE



**Congratulation!**

What a super nice kite ! I'm sure you now know what we said about the feeling you get when it goes up ! What a nice way to paint the sky ! Looking foward to seeing it here in Dieppe for the 2005 festival ! Now I hope all of you that have build and those that will build the DS will start thinking of Lights in the DS for our Nite fly ! Wow ! That will be a show !

once again GrantL you did a super job with the colours ! Something to be proud of ! 😊

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Sat Nov 06, 2004 11:42 pm Post subject:

QUOTE  
EDIT



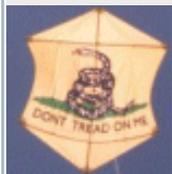
Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊 😊

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**conklincomputer**



Joined: 12 Jan 2004  
Posts: 81  
Location: Midlothian, VA

Posted: Mon Nov 08, 2004 11:15 am Post subject:

QUOTE

looks great!!!! so what's that, North America DS #4? good job!

Marc  
1/2 of Airborne Virus and RAF webmeister  
<http://www.richmondairforce.com>

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Mon Nov 08, 2004 12:21 pm Post subject:

QUOTE

WOW!!!!!!

What a rewarding kite you have there!!!!!!

I bet your feet still dont touch the ground!!!!!!

---

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Fool**



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH

Posted: Mon Nov 08, 2004 4:54 pm Post subject:

QUOTE

**spectre wrote:**

Hi, Grant

We are waiting for the pictures. I hope the sky will be blue and wind is enough.

Here is the 3d autocad drawing of Ds. Fool, I hope you want this.

<http://www.ucurtma.org/images/plans/doublestar/ds3d.zip>

That's perfect, thanks.

---

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Mon Nov 08, 2004 5:52 pm Post subject: D.S. First flight

[QUOTE](#)

Hi Grant , Wish I was there to shake your hand and pat your back and to say well done !!!

CLIFF

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Thu Nov 11, 2004 9:59 am Post subject: D.S.

[QUOTE](#)

Hi Steve, Shame on me, I was just gem scanning some various threads and came across the one you posted asking about the sparing in the photo above. Yes , the spars you see are the light weight ones . They are the 2800's 5 ft. one peice. the wind is about , as I recall 7-8 mph here in Seaside at the time. The spars as you will note all have a slight bow , all in the same direction. Thats a good thing for two reasons. First they will flex a little more when subjected to higher wind load and also allow the tension to "even out" keeping all tip sails tight. The 10MM spars I originaly used certinly are good for high winds ,the star pulls like a bear in high winds and anchoring is advisable. May re use the 10's for a bigger one?????

CLIFF

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**wdrwilson**



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova  
Scotia, Halifax

Posted: Tue Feb 15, 2005 11:26 pm Post subject:

[QUOTE](#)

Well I thought I would revive this popular thread with an update of my own...

After a 1 month hiatus due to work (I can't beleive how much work interferes with valuable kite building time, geeesshhh 😊) I got back to working on my double star...

Here is where I am with the top... Just added the "C" panels tonight.. tomorrow will be the "D" panels. Then I will start on the bottom.

The colors are Silver, violet, raspberry and black in case you were wondering.



More photos can be seen here..

<http://www.steadywinds.com/gal/dstarbuild>

Cheers,  
Bill

--Bill

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Wed Feb 16, 2005 12:05 am Post subject: Double Star Progress

[QUOTE](#)

Hi Bill, Wonderful color selection. Has a lot of punch. Yup it's a lot of sewing but the reward is priceless. Keep plugging.

CLIFF

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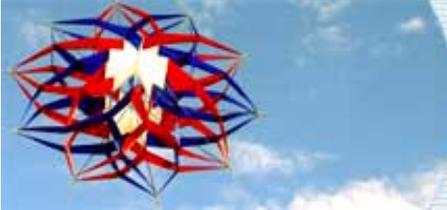
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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Wed Feb 16, 2005 2:27 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>looks great Bill 😊 I was just out flying mine today. I took some better photos to replace the ones I already had in the album. It was blowing 13 knots gusting to 23 according to the online weather. The kite was pulling hard while I was assembling it but not to bad once it was flying. At times, it seemed as if the bottom two bridle lines were almost slack. Any comments from other DS builders? Keep going Bill. It is definately worth all of the sewing 😊😊😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Wed Feb 16, 2005 9:29 am Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Looking good Bill. On your next visit to Dieppe, you'll have a lot new stuff to show us. 😊😊</p> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed Feb 16, 2005 3:46 pm    Post subject: D.S. Bridling <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Grant , I think by your description the Star was flying just above the minimum wind speed. Tension on the center bridle attached to the point with slack in the 2 lower bridle lines indicates the wind pressure is just great enough to create lift . As the wind speed increases the lower bridles will go under tension. If you fly in extreme winds the attack angle will be close to plumb and all bridle lines will be taught, also the Star will be almost straight up. This is a must wear gloves , hold on tight situation. Wow I get excited every time I think about flying the Star.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Wed Feb 16, 2005 5:53 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Thanks Cliff. I think that there was plenty of wind, ( at least 13 knots.) I may have had the vbridle point too high. When it was flying, the sail surface was almost straight on into the wind and the kite wasn't pulling too hard. I did lower the bridle point for a while and the kite pulled harder and was flying almost overhead. The field was pretty muddy, ( I was hoping to fly the gecko finally but decided to wait 😞 ) I'll have to go out again when the field is dry so that I can walk the kite down and play with the bridle point some more. What are the lengths for your bridle lines and the general point where you attach your flying line, ( You too Mountain Man.) I'll have to measure mine and compare to what you two are flying with 😊</p> <p>I also want to take the time to measure the distance between the sail tips and the end of the spars so that I can mark all of the lines at an average distance and even out the sails 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Wed Feb 16, 2005 8:30 pm    Post subject: Re: Double Star Tips <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p><b>CJQ wrote:</b></p> <p>Hi Guys , sorry for delay in posting . Back out of retirement filling in for one of my son's employee's. That's the bad news the good news is that I'm shaking the money tree. Gettin some bucks for my AKA trip in Oct.</p> <p>About the panel " D" tips. ,As Bernie has mentioned he used velcro pockets to tension the sails. I used grossgrain loops on the tips and &lt;a href="http://www.kitebuilder.com/catalog/index.php?cPath=29"&gt;End Caps&lt;/a&gt; I made with slots for adjustments. However , since Bernie's and my kites were made some further thought has been given and a special end cap was suggested for that application. The adjustable end cap is in the kite studio catalog and it's called theMKS endcap. It has a hole drilled thru the cap 90 deg. to the center line and a nylon set screw to affix a line that is passed thru the side hole . The recommendation is for a 200 lb piece of line be sewn to the panel tip . that line is then slipped thru the fitting and locked in place by the screw. VERY SLICK APPLICATION. I said it was a special end cap ,not really , steve can make them up easily. I believe that Ray B. , Grant L, and Canadian Bill are employing this method. Probably if Bernie and I knew of the fitting that's what we may have used . The fitting can be left in position at dis - assembly , plus it allows tensioning of the front and rear sail individually. NEAT&gt;</p> <p>Hope this helps you marc.</p> <p>CLIFF</p> </div> <p>Back in September Cliff posted this information...</p> <p>I have a question.. I plan on shortening the tips and adding dacron like Grant did with his kite. Should the line be sewn into the hem? if so which side of the hem, top or bottom? I was thinking I could sew a single length of line in both hems forming a loop at the tip and then tie off a piece of line to this loop to travel through the MKS fitting. Maybe I should use gross grain or flat braid for those sections...</p> <p>Any advice?</p> <p>--Bill</p>

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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p> <input type="checkbox"/> Posted: Wed Feb 16, 2005 10:08 pm    Post subject: Tip's on D panel.                 <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>Hi Bill , I understand the method you have in mind . I think it's fine. Make sure that the center of the loop that is formed completes a natural triangle. What I mean is if you draw an imaginary line along the D panel edges the lines will intersect at the point your second tensioning line will attach. If that does not occur the panel tip will de-form and not be flat. Sewing in a loop will not creat a future problem as there is no reason for wear-out since it will be stationary. 200 lb. line or such will work , it wont see that stress but will sew easier and wear longer. Hope this helps. Any other thought's out there?</p> <p>CLIFF</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> </p> <p> <a href="#">E-MAIL</a> </p>
<p><b>Dorsal</b> Kite Builder II</p>  <p>Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p> <input type="checkbox"/> Posted: Thu Feb 17, 2005 12:30 am    Post subject:                 <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <p>I have a thought that I wish I could save his entire thread to my computer, so when I start to make one of these I'll already have all this knowledge available on the computer. I know it's here on the Forum, but servers do go down, and harddrives do crash, so I'd like to keep a separate copy for myself.</p> <p>Is there any non-Herculean way to do that?</p> <hr/> <p>"The wind is the perfect reminder of God. The only way we can prove it exists is by observing the things it affects. That's why I believe in the wind, too."</p> <p>Dennis Baha'i Faith</p>
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<p><b>Snoopy</b></p>  <p>Joined: 20 Dec 2003 Posts: 57 Location: USA CT Milford</p>	<p> <input type="checkbox"/> Posted: Thu Feb 17, 2005 12:57 am    Post subject: saving forum                 <span style="float: right;"><a href="#">QUOTE</a></span> </p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Quote:</b></p> <p>I have a thought that I wish I could save his entire thread to my computer, so when I start to make one of these I'll already have all this knowledge available on the computer</p> </div> <p>Try doing 'file, save as' on your toolbar. This should save the page into a folder you create. This works in netscape. With IE you may have o send yourself the page. For this thread, you would have to do this 44 times, as you can only save 1 page at a time.</p> <hr/> <p>Larry</p> <p>Last edited by Snoopy on Thu Feb 17, 2005 1:04 am; edited 1 time in total</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> </p> <p> <a href="#">WWW</a> </p>

<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p>Posted: Thu Feb 17, 2005 12:57 am Post subject: <a href="#">QUOTE</a></p> <p>OK I decided against the loop of line in the hem idea when I actually started folding etc. I used the same approach that Grant used. 2 inches off the tip, double fold, Dacron reinforcement over top. I think I will then attach a gross grain loop to attach the line to... The other way was to fiddly (is that a word) and not as precise..</p> <p>--Bill</p>
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<p><b>conklincomputer</b></p>  <p>Joined: 12 Jan 2004 Posts: 81 Location: Midlothian, VA</p>	<p>Posted: Thu Feb 17, 2005 10:13 am Post subject: <a href="#">QUOTE</a></p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>Dorsal wrote:</b></p> <p>I have a thought that I wish I could save his entire thread to my computer, so when I start to make one of these I'll already have all this knowledge available on the computer. I know it's here on the Forum, but servers do go down, and harddrives do crash, so I'd like to keep a separate copy for myself. Is there any non-Herculean way to do that?</p> </div> <p>I did the same thing when i started my double star (although I think the thread was only 20 pages or so then! 😊) What I did was copy and paste anything I thought was "relevant" into a separate document. Again, I think the only folks who had completed their stars at that time were Cliff and Bernie, so it wasn't so much to look through. However, I think the exercise is worth doing, there was a lot of good discussion on how to attach the frame to the tips, several different methods.</p> <p>_____</p> <p>Marc 1/2 of Airborne Virus and RAF webmeister <a href="http://www.richmondairforce.com">http://www.richmondairforce.com</a></p>
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Author	Message
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003            Posts: 1359            Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Sun Feb 20, 2005 10:51 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I have now attached the "D" Panels to the first half of the Double Star. I reinforced the tips with 3" of Dacron and then used gross-grain tabs for the tension line attachment points.</p> <p>Being the impatient type, I decided I had to see how the star looks when assembled. So I managed to attach 6 spars to the hub and then I ran out of room (as expected 😊). Here is what it looks like...</p>



Now onto the bottom... in retrospect I should have built each half together instead of completing one and then the other. ahh well, I hope to have it done in the next 10 days or so. More photos here!

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**smarties**



Joined: 05 Nov 2003  
 Posts: 1791  
 Location: Dieppe, NB,  
 Canada

Posted: Mon Feb 21, 2005 9:23 am Post subject:

<a href="#">QUOTE</a>
<a href="#">EDIT</a>

Looking good Bill! Keep us posted! You're almost done! Can't wait to see it in Dieppe's sky beside MM DS! 😊

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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<p><b>Grant L</b> Kite of the Year 2004  Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Mon Feb 21, 2005 9:56 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Looking Good Bill. 😊😊😊 Keep plugging away. The end is in sight. One thing I foud, with the MKS fittings, I had to go to a pretty thick line, ( I think at least 120# test, maybe more. I'll take a look when I get home today,) to get them to hold once you get the kite all assembled. The sails are pretty taught once that last spar gets put in place. Can't wait to see it in the air. I am curious, how many DSs will there be in Dieppe this summer ? I can't wait to see them all in the mass launch! 😊</p>
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<p><b>imagin</b> Kite Builder I ★ ★ ★ ★ ★  Joined: 22 Oct 2003 Posts: 330 Location: Moncton, NB Canada</p>	<p><input type="checkbox"/> Posted: Mon Feb 21, 2005 8:11 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Those colours are going to make a real impact. Very nice!</p> <hr/> <p>Knowledge is limited. Imagination encircles the world.</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a> <a href="#">ICO</a></p>
<p><b>spectre</b>  Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Wed Feb 23, 2005 4:44 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I am waiting for the pictures with blue background.</p> <p>The number of the DS are going hire. Hope to see them all in the same picture.</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>Fool</b>  Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Wed Feb 23, 2005 11:17 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I got back to work on mine last night some more. I only edge bound 20 panels but it took a lil over an hours time. If I can do that 4 more days in a row I'll have all the edge binding done. Then it won't be long before it's complete.</p> <p>Here's my thoughts on my D panels and the tension adjusting. I went with the same idea that cliff came up with to use the mks fittings from steve and a peice of dacron line sewn to the end of the panel to help set tension adjustment. But I think I'm going to go one step further and sew on each panel 1 peices of dacron line to one edge and another to the other edge then sew the two pieces together to make them one solid piece. It would look something like this: &gt;=== It would be really nice to be able to sew the dacron in while sewing the edge binding, that way it puts tension on the seams along the edges of the panel to keep it nice and taught. How tough is it to sew 2 peices of 150lbs dacron to each other? I'm not wanting another timing malfunction on my machine because the dacron line got sucked in through the needle plate.</p> <hr/> <p>Chris Taylor Dayton, OH</p>

	lowerdfool(at)yahoo(dot)com
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<b>wdrwilson</b>  Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax	<input type="checkbox"/> Posted: Wed Feb 23, 2005 11:39 am Post subject: <a href="#">QUOTE</a> <hr/> Fool, If you have a cording foot it should be pretty easy to sew the pieces together. You will loose adjustment on individual panels though and you may end up with one being more taught than the other.. just a thought. I am using two pieces but the top and bottom lines are different colors... might help my field adjustments... 😊 4 lwhite ines all going through the same MKS fitting can get a bit confusing... --Bill
Back to top	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a>
<b>Fool</b>  Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH	<input type="checkbox"/> Posted: Wed Feb 23, 2005 11:49 am Post subject: <a href="#">QUOTE</a> <hr/> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>wdrwilson wrote:</b></p> <p>Fool,</p> <p>If you have a cording foot it should be pretty easy to sew the pieces together.</p> <p>You will loose adjustment on individual panels though and you may end up with one being more taught than the other.. just a thought. I am using two pieces but the top and bottom lines are different colors... might help my field adjustments... 😊 4 lwhite ines all going through the same MKS fitting can get a bit confusing...</p> <p>--Bill</p> </div> <p>I meant 2 pieces of line for each panel. I want every tip to have it's own adjustability. So I'd have 4 clumps of 2 lines in each fitting.</p> <hr/> <p>Chris Taylor          Dayton, OH          lowerdfool(at)yahoo(dot)com</p>
Back to top	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">AIM</a>
<b>wdrwilson</b>  Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax	<input type="checkbox"/> Posted: Wed Feb 23, 2005 12:11 pm Post subject: <a href="#">QUOTE</a> <hr/> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>Fool wrote:</b></p> <div style="border: 1px solid #ccc; padding: 5px;"> <p><b>wdrwilson wrote:</b></p> <p>Fool,</p> <p>If you have a cording foot it should be pretty easy to sew the pieces together.</p> <p>You will loose adjustment on individual panels though and you may end up with one being more taught than the other.. just a thought. I am using two pieces but the top and bottom lines are different colors... might help my field adjustments... 😊 4 lwhite ines all going through the same MKS fitting can get a bit confusing...</p> <p>--Bill</p> </div> <p>I meant 2 pieces of line for each panel. I want every tip to have it's own adjustability. So I'd have 4 clumps of 2 lines in each fitting.</p> </div> <p>Ahh I see what you mean... Have you tried to fit 8 lines through the eye of an MKS fitting... A much</p>

thinner line than 150lb will probably have to be used. The thinner line will be much more challenging to sew together.

I originally started with 250lb and I couldn't fit two pieces through the eye, now I am using about 100 lb and I think it will be a little tight. 😊

--Bill

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niels schuurman



Joined: 28 Jul 2004  
 Posts: 34  
 Location: Arnhem, Holland

Posted: Mon Feb 28, 2005 4:24 pm Post subject:

[QUOTE](#)

after the very enthusiastic posts on this forum about the double star I build one myself.... this weekend my doublestar has his maiden flight... just as my new flowform....

see the pictures in my photoalbum at:

[www.fotoalbum.dds.nl/dabarn](http://www.fotoalbum.dds.nl/dabarn)

ciao,

niels

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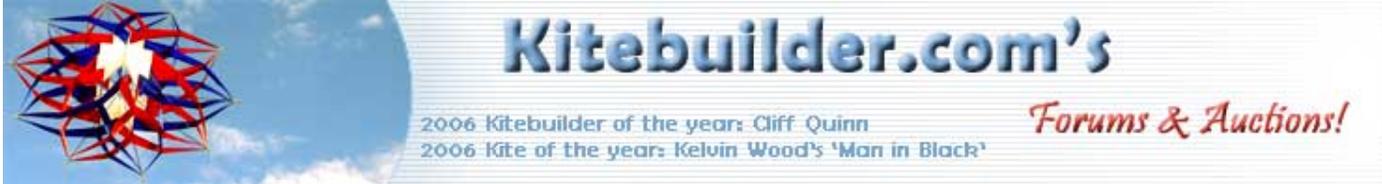
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Author	Message
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Mon Feb 28, 2005 4:48 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <div style="border: 1px solid gray; padding: 5px; margin: 5px 0;"> <p><b>niels schuurman wrote:</b></p> <p>after the very enthusiastic posts on this forum about the double star I build one myself.... this weekend my doublestar has his maiden flight... just as my new flowform....</p> <p>see the pictures in my photoalbum at:</p> <p><a href="http://www.fotoalbum.dds.nl/dabarn">www.fotoalbum.dds.nl/dabarn</a></p> <p>ciao,</p> <p>niels</p> </div> <p>Well done!! I like it a lot!!.. And your flow form is very nice as well.</p> <p>--Bill</p> <hr/> <p>Bill Wilson <a href="http://www.steadywinds.com">www.steadywinds.com</a> Imagination is the highest kite one can fly. - Lauren Bacall</p>

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<p><b>KiteSquid</b> Master Kite Builder ★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Mon Feb 28, 2005 5:07 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <p>Two more GREAT looking kites!!!!!!!</p> <hr/> <p>VR/ KiteSquid AKA Takolka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... ☹️ Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Mon Feb 28, 2005 7:47 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>Beautiful kites! Great job! 😊😊😊</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>
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<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Mon Feb 28, 2005 9:15 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>Nice kite Niels, The color selection gives it a real "Cool" look 🤖 The other kites in your album are nice too! What plan did you use for the flowform? The cody looks great also. And what can you tell us about the babybean? I seem to remember seeing a site with bean instructions in before 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p> <p><a href="#">E-MAIL</a></p>
<p><b>niels schuurman</b></p>  <p>Joined: 28 Jul 2004 Posts: 34 Location: Arnhem, Holland</p>	<p><input type="checkbox"/> Posted: Tue Mar 01, 2005 3:36 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>the plan I used for the flowform is in the book "kites and windsocks" from jim rowlands.... I haven't seen a plan on the internet of this kite yet...</p> <p>the bean is originaly a buggy and or kitesurf kite.. i build it in the smallest version the beancalculator could handle.... it's a very spectacular kite espesially in &gt; 4bft its very fast and its a 4-liner...but quite difficult to fly....</p> <p>plans of the bean are in the book stuntkites... there is also some information on a dutch site ....</p> <p><a href="http://www.stuntkites.nl">www.stuntkites.nl</a></p> <p>greats, niels</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p> <p><a href="#">WWW</a></p>
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Tue Mar 01, 2005 10:58 pm Post subject:</p> <p style="text-align: right;"><a href="#">QUOTE</a></p> <hr/> <p>I got some extra time today since there was snow on the ground and more coming down, I left work early. I had some time left on a partial personal day. 😊 Anyhow I sat down and finished edge all 20 of the center panels and all of the rest of the panels. Now all I need to do is start assembling the star from center outwards. Shouldn't be more than a few days hopefully unless something comes up.</p> <hr/> <p>Chris Taylor Dayton, OH <a href="mailto:lowerdfool(at)yahoo(dot)com">lowerdfool(at)yahoo(dot)com</a></p>
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wdrwilson



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Wed Mar 02, 2005 1:54 am Post subject:

QUOTE

Finally the Double Star is complete. 😊 I finished off the last of the bottom section late this evening. This kite is really impressive when it's fully assembled, a full 10 foot diameter! (old news for most of you 😊). I haven't adjusted the tip tension much but it seems that the MKS fittings will work out fine.

Here are the first pictures of the kite completely assembled. I have to add the bridle and it will be ready to fly! 😊



More photos <http://www.steadywinds.com/gal/dstarbuild>

cheers,  
--Bill

Bill Wilson  
[www.steadywinds.com](http://www.steadywinds.com)

Imagination is the highest kite one can fly. - Lauren Bacall

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stevef  
Administrator



Joined: 27 Aug 2003  
Posts: 2194  
Location: USA PA ALLENTOWN

Posted: Wed Mar 02, 2005 2:08 am Post subject:

QUOTE

ooooo and you even dressed to match! Looks good Bill, cant wait to see it in the air. Can you get us a KAP shot from above it?

Steve Ferrel  
[Kite Studio - Go Build a Kite!](#)  
Measure once, buy twice! 🐱

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Wed Mar 02, 2005 2:45 am Post subject:

QUOTE

Conratulations Bill . I know what an accomplishment it is to get one finished. I felt the same way that you do about the size. You know it is going to be a big kite, but the first time you assemble it and stand it on it's side Can't wait to see photos of it in the sun

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Wed Mar 02, 2005 1:45 pm Post subject:

QUOTE

EDIT

Excellent!!! Can't wait to see it beside MM's double star

That pressure is going up for me to build one.

Smarties   
<http://www.yvonhache.com>

To boldly go where no imagination as gone before!

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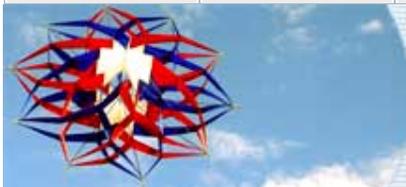
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 2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>Progcraft</b>            Kitebuilder of the Year 2004              Joined: 29 Sep 2003            Posts: 4023            Location: Montreal, QC, Canada</p>	<p><input type="checkbox"/> Posted: Wed Mar 02, 2005 2:22 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Looks great Bill. It should really shine in the air with some sunlight on it 😊</p> <p>P.</p> <hr/> <p>There is no box</p>
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<p><b>wdrwilson</b>              Joined: 24 Oct 2003            Posts: 1359            Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Thu Mar 03, 2005 4:57 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi All,</p> <p>Well today the wind was about 30 Km/H gusting to 40 km/h and I foolishly decided to try and fly my double star... woooo hoooo what a ride.</p> <p>The first challenge was putting the kite together on a soggy field with howling wind and -10c temps. That didn't stop us though. I hadn't bridled the kite yet so I did that in the field as well, very cold fingers after that 😊.</p> <p>It was a little too cold to adjust all of the tips so I decided to give it a go anyway.. and it Flew... It launched with the roar of a jet plane and was stapled to the sky. When the wind would shift it would sweep a little but nothing a little slack in the line didn't fix. Very happy!!!!</p> <p>What a great feeling...</p> <p>The wind was really blowing hard and I had visions of the 10 mm Carbon rods snapping like twigs... Lot's of pull on this kite. So I handed the kite off to my friend, and walked the kite down.</p> <p>Here are is a photo, the sky is grey today but I brightened the photo up the best I could..</p>



click on the photo to get the full 800 x 600 image.

Cheers,  
Bill

Bill Wilson  
[www.steadywinds.com](http://www.steadywinds.com)

Imagination is the highest kite one can fly. - Lauren Bacall

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**KiteSquid**  
Master Kite Builder  
★★★★



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King  
George

Posted: Thu Mar 03, 2005 5:56 pm Post subject:

[QUOTE](#)

**wdrwilson wrote:**

What a great feeling...

OH YEH!!!! the feeling of airing out some fabric for the first time!!!!!!!!!!!!

WOOOOOOOOOOO HOOOOOOOOOOO

I bet the smile is frozen on your face!!!!!!!!

Great looking kite!!!!!!

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Mountain Man**  
 Kitebuilder of the Year 2003

Posted: Thu Mar 03, 2005 6:03 pm Post subject:

[QUOTE](#)



Joined: 04 Sep 2003  
 Posts: 1093  
 Location: NB Canada

super nice bill ..... like I said many time ....flying that double star for the first time is quite a thrill ! 😊 even now when I fly mine ....its still a thrill ! and yes sounds like a jet ! j

Hope we can fly the two ds on sunday ! would love pics of that for sure ..... 😊

Bernie  
 the Mountain Man  
 Paint the sky...  
 "Fly a Kite!"

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**Progcraft**  
 Kitebuilder of the Year 2004

Posted: Thu Mar 03, 2005 6:38 pm Post subject:

[QUOTE](#)



Joined: 29 Sep 2003  
 Posts: 4023  
 Location: Montreal, QC, Canada

Great Bill. That's a big and impressive kite you got there. Nice work 🍌

P

There is no box

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**Grant L**  
 Kite of the Year 2004

Posted: Fri Mar 04, 2005 12:04 am Post subject:

[QUOTE](#)



Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN Indianapolis

🍌 🍌 🍌 🍌 🍌 🍌 **NICE KITE Bill !!!**

The colors look great. Congratulations. I can't wait to see them all together this summer 😊 😊 😊

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**saF**

Posted: Fri Mar 04, 2005 9:20 am Post subject:

[QUOTE](#)



Joined: 08 Jan 2005  
 Posts: 104  
 Location: Cornwall, Prince Edward Island, Canada

Damn you Bill!! I wanted to be there! 🍌 🍌

Congrats! 🙌 Can't wait to see it in person.

saF

Scott Ferguson  
 Cornwall, Prince Edward Island  
 Canada

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**Mountain Man**  
Kitebuilder of the Year 2003



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Posted: Fri Mar 04, 2005 4:10 pm Post subject:

[QUOTE](#)

well you can come see it flying in Dieppe early Sunday morning ! will be flying at 9:30 am as Bill as to leave our field by 1 pm so I will gather the clan and be there with my Double star and will fly both of them as two young (well) kids flying in the Dieppe Sky ! and well also a surprise or two ! the new rok that Peggy flew and ..... well a 20 ft bear to put on line ! hope my flowform can lift it ! cant wait for the bear so I can show pics of it !

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Fri Mar 04, 2005 11:10 pm Post subject:

[QUOTE](#)  
[EDIT](#)

I'll try to be there before lunch too. Probably around 11h00.

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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**saF**



Joined: 08 Jan 2005  
Posts: 104  
Location: Cornwall, Prince Edward Island, Canada

Posted: Sat Mar 05, 2005 1:31 pm Post subject:

[QUOTE](#)

I'm planning to go with Bill tomorrow and it will probably be the maiden flight of my Rok Climber too! As long as I get the last 2 Ferrels today from Bill. 😊

See you tomorrow.

saF  
Scott Ferguson  
Cornwall, Prince Edward Island  
Canada

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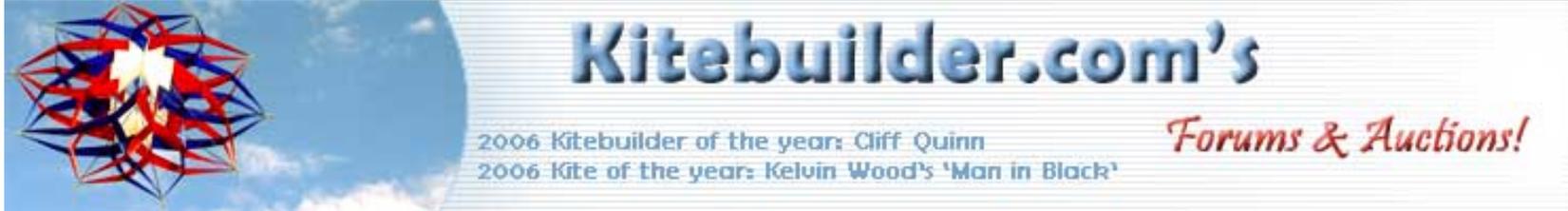
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Double star plan Goto page Previous 1, 2, 3 ... 47, **48**, 49 ... 67, 68, 69 Next

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Author	Message
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Sat Mar 05, 2005 2:07 pm    Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></div> <hr/> <p>No wind in the forecast for tomorrow (Sunday). Hopefully mother nature will prove them wrong. 😡 → 🔥</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>

wdrwilson



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Sat Mar 05, 2005 4:38 pm Post subject:

QUOTE

I tuned up the DStar today..

I have added some photos to my site..

<http://www.steadywinds.com/gal/dstarbuild>



--Bill

Bill Wilson  
[www.steadywinds.com](http://www.steadywinds.com)

Imagination is the highest kite one can fly. - Lauren Bacall

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**imagin**  
Kite Builder I

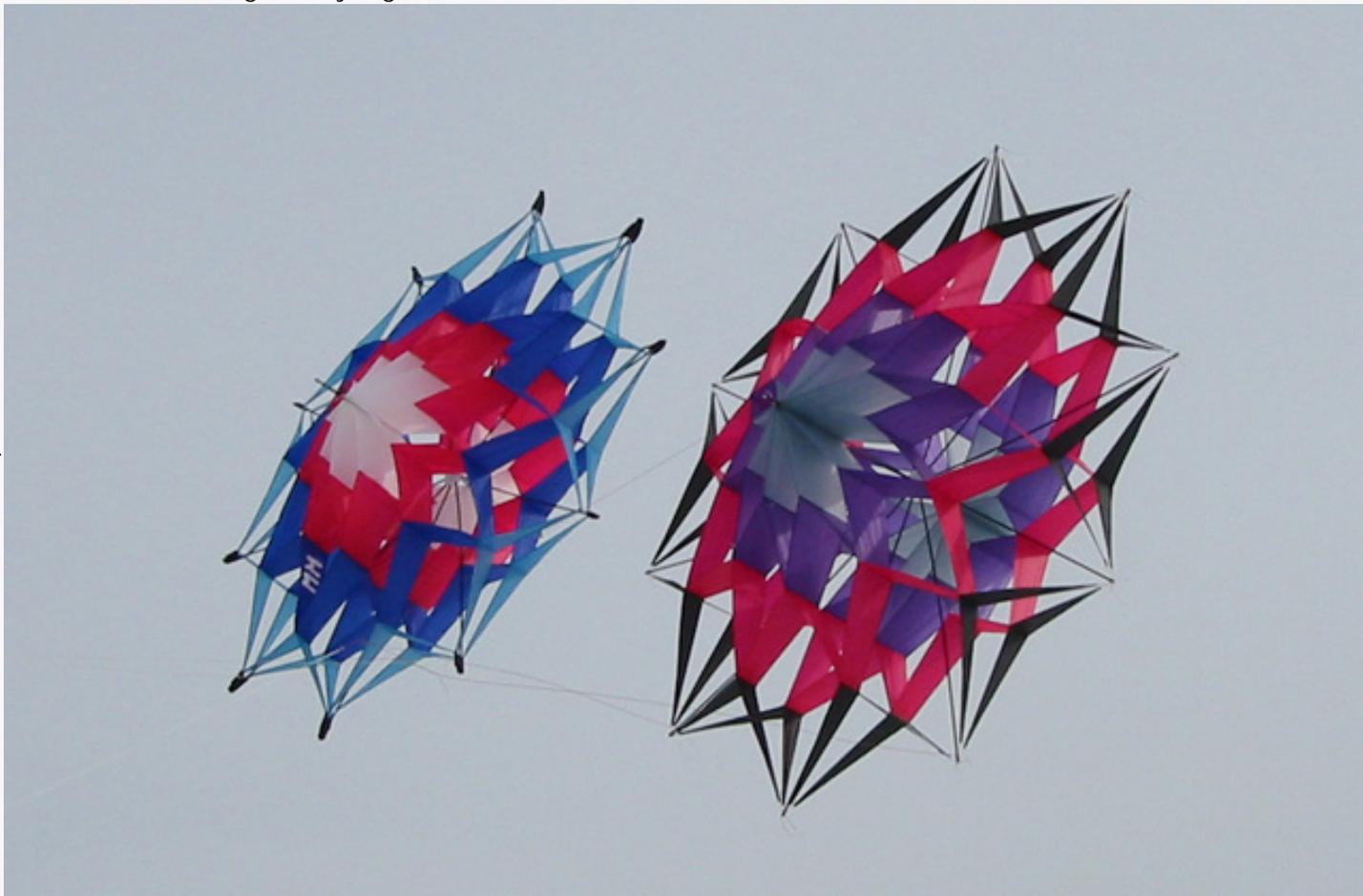


Joined: 22 Oct 2003  
Posts: 330  
Location: Moncton, NB  
Canada

Posted: Sun Mar 06, 2005 11:55 pm Post subject:

[QUOTE](#)

MM and Bill's double stars got to fly together



today.

Knowledge is limited. Imagination encircles the world.

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Mon Mar 07, 2005 12:50 am Post subject:

[QUOTE](#)  
[EDIT](#)

Nice shot Imagin. It was beautiful too see these two kites flying together.

Smarties 😊

<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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**Grant L**

Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Mon Mar 07, 2005 1:23 am Post subject:

[QUOTE](#)

I can't wait to see four or five or.... 😲😊😊😊😊

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**conklincomputer**



Joined: 12 Jan 2004  
Posts: 81  
Location: Midlothian, VA

Posted: Mon Mar 07, 2005 1:09 pm Post subject:

[QUOTE](#)

Bill,

the new DS looks great! I have to admit, I wasn't sure about the color choices when looking at the inside pictures, but it looks great outside! Yours and MM's really compliment each other too.

Marc

1/2 of Airborne Virus and RAF webmeister

<http://www.richmondairforce.com>

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**Fool**

Joined: 22 Oct 2004  
 Posts: 847  
 Location: Dayton, OH

Posted: Mon Mar 21, 2005 12:07 pm Post subject:

QUOTE

I FINISHED MINE THIS WEEKEND!!! 😄😄😄 Flew it yesterday for a local fun fly where news groups were taking photos and videos. It may be in a local paper. The girl with the camera took about 3 dozen photos of it. She walked over right after my girlfriend and I started assembling the first few spars and just kept clicking away. She mentioned out of all the kites she had seen this one was her favorite. There was even some large peter lynn inflatables flying that caught a lot of attention.

I still need to get my tensioning set right the sail seems a little loose in the front from the bridle pulling. When I first put the spars in they bowed all the way to the bottom side of the kite. So I needed to cut them down. I measured the dimensions across the points and ended up cutting each spart 1.25". I'm wondering if I shouldn't have left that .25" extra. I have about 1.5" of tensioning line for each point, which I'd like to keep around as the sail stretches over time.

I'm very satisfied with the results so far. It'll be even better when I get that sail tensioned where I like it. We got rave reviews from all of the people from pigs aloft. Can't wait to get some up to date photos on here of the finished kite in flight. If I can get in contact with the photographer from the paper that'll be even better since I didn't get any yesterday with my own camera. I don't know if I got cold chills from the 30 degree weather or the joy of seeing something I've put many hours into fly for the first time. It became "weightless" in a matter of seconds when the wind filled it's sail. Beautiful.....

Thank you for inspiration and knowledge kitebuilder and folks. 😎

---

Chris Taylor  
 Dayton, OH  
 lowerdfool(at)yahoo(dot)com

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**wdrwilson**

Joined: 24 Oct 2003  
 Posts: 1359  
 Location: Canada, Nova Scotia, Halifax

Posted: Mon Mar 21, 2005 12:13 pm Post subject:

QUOTE

Hey Fool,

Way to go!!! Looking forward to the pictures...

What a feeling 😄😄😄

How many does that make now...

MM, CJO, GRANTL, conklinComputer, wdrwilson, Fool .. who else am I missing?

--Bill

---

Bill Wilson  
[www.steadywinds.com](http://www.steadywinds.com)

Imagination is the highest kite one can fly. - Lauren Bacall

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<p><b>Grant L</b> Kite of the Year 2004</p>   <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p> <input type="checkbox"/> Posted: Mon Mar 21, 2005 2:05 pm    Post subject:                 <span style="float: right;"><a href="#">QUOTE</a></span> </p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p><b>Fool wrote:</b></p> <p>Can't wait to get some up to date photos on here of the finished kite in flight. If I can get in contact with the photographer from the paper that'll be even better since I didn't get any yesterday with my own camera. I don't know if I got cold chills from the 30 degree weather or the joy of seeing something I've put many hours into fly for the first time. It became "weightless" in a matter of seconds when the wind filled it's sail. Beautiful.....</p> <p>Thank you for inspiration and knowledge kitebuilder and folks. 😎</p> </div> <p>                 😏 Shame on you Fool for not getting pictures. I can understand how you would be distracted though ( Thinking to yourself: Wow, I built that 🤖 😡 )                  🤔 🤔 🤔 🤔 🤔 🤔             </p> <p>Congratulations on finishing it though. Maybe we can have a mini-DS mass launch on April 10th 😊 Looking forward to meeting you and seeing the DS 😊</p>
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<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p> <input type="checkbox"/> Posted: Mon Mar 21, 2005 4:39 pm    Post subject:                 <span style="float: right;"><a href="#">QUOTE</a></span> </p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p><b>Grant L wrote:</b></p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <p><b>Fool wrote:</b></p> <p>Can't wait to get some up to date photos on here of the finished kite in flight. If I can get in contact with the photographer from the paper that'll be even better since I didn't get any yesterday with my own camera. I don't know if I got cold chills from the 30 degree weather or the joy of seeing something I've put many hours into fly for the first time. It became "weightless" in a matter of seconds when the wind filled it's sail. Beautiful.....</p> <p>Thank you for inspiration and knowledge kitebuilder and folks. 😎</p> </div> </div> <p>                 😏 Shame on you Fool for not getting pictures. I can understand how you would be distracted though ( Thinking to yourself: Wow, I built that 🤖 😡 )                  🤔 🤔 🤔 🤔 🤔 🤔             </p>

Congratulations on finishing it though. Maybe we can have a mini-DS mass launch on April 10th 😊 Looking forward to meeting you and seeing the DS 😊

My own digital camera was on my kap rig which I still have yet to get into the air. Just not enough steady winds around these parts for the kites I own to lift it. 😞 I'm going to HAVE to make something soon. DOPERO 💡

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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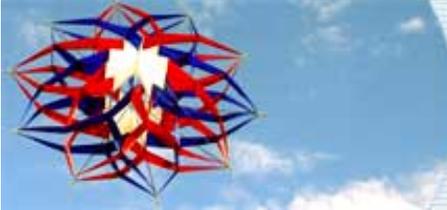
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Double star plan Goto page Previous 1, 2, 3 ... 48, **49**, 50 ... 67, 68, 69 Next

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Mar 21, 2005 8:10 pm Post subject: Anoyher D.S. <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Fool , you did good son. Wasent it exciting ? flying right out of the box and being such a crowd pleaser. I get all cranked up listening to D.S. stories. Makes me want to run into the kite room and take mine out and hug it. ( guess I got to seek counceling) The 1 1/2 in of tensioning line is quite ample. My Star has not streached much at all. Humid days make very little difference. I read that your spars have a bow? is that correct?? If so what direction do they bend. I use as my light wind spars 2810's. The spars all get a bow when the assembly is finished. Probably a 2 in. bow in the center. It suprizes me the 10 mm spar bows. Thats a hefty spar. Now that you have joined our group you must go to the DIEPPE Festival,,What do you think Bernie???Any way , looking forward to the pictures. Another thought just crossed my mind. When down in florida last few weeks I flew my D.S. . The friends I was staying with live in a Golf community. I decided to fly my kite in a grass area aside one of the fairways. The D.S. wasent up more than 5 minutes and there were at least 15 to 20 people standing around (two with cameras) watching the kite . All were totaly amazed. There is something about this kite that grabs peoples liking. Of all the kites in my collection this one by far is the most attention getter. Happy flying!!</p> <p>CLIFF</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Doug LaRock</b> Master Kite Builder</p>  <p>Joined: 12 Jan 2004 Posts: 389 Location: Yakima, Washington</p>	<p><input type="checkbox"/> Posted: Tue Mar 22, 2005 1:57 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Cliff, so you have been out attracting attention with your kite. Way to go!! When people stop and talk and ask questions its a great ad for the sport.</p> <p>Hey Fool good job!! It's a great feeling you get when a new project flies.</p> <p>Doug</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>

**Fool**



Joined: 22 Oct 2004  
 Posts: 847  
 Location: Dayton, OH

Posted: Tue Mar 22, 2005 10:57 am Post subject: Re: Anoyher D.S.

[QUOTE](#)

**CJQ wrote:**

Hi Fool , you did good son. Wasent it exciting ? flying right out of the box and being such a crowd pleaser. I get all cranked up listening to D.S. stories. Makes me want to run into the kite room and take mine out and hug it. ( guess I got to seek counceling) The 1 1/2 in of tensioning line is quite ample. My Star has not streached much at all. Humid days make very little difference. I read that your spars have a bow? is that correct?? If so what direction do they bend. I use as my light wind spars 2810's. The spars all get a bow when the assembly is finished. Probably a 2 in. bow in the center. It suprizes me the 10 mm spar bows. Thats a hefty spar. Now that you have joined our group you must go to the DIEPPE Festival,,What do you think Bernie???Any way , looking forward to the pictures. Another thought just crossed my mind. When down in florida last few weeks I flew my D.S. . The friends I was staying with live in a Golf community. I decided to fly my kite in a grass area aside one of the fairways. The D.S. wasent up more than 5 minutes and there were at least 15 to 20 people standing around (two with cameras) watching the kite . All were totaly amazed. There is something about this kite that grabs peoples liking. Of all the kites in my collection this one by far is the most attention getter. Happy flying!!

CLIFF

The spars used to have a bow before I cut them down 1.25" each. So now I have (10) 58.75" spars. They would bow from the points to the back side of one of the halves. Way more than I liked hense the reasoning behind cutting the spars down. I just need about an hour and 4 extra hands to tension the kite properly then it should be set for life.

Chris Taylor  
 Dayton, OH  
 lowerdfool(at)yahoo(dot)com

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**Fool**



Joined: 22 Oct 2004  
 Posts: 847  
 Location: Dayton, OH

Posted: Tue Mar 22, 2005 11:59 am Post subject:

[QUOTE](#)

I was sent this pic from a fellow local flier today.



Chris Taylor  
 Dayton, OH  
 lowerdfool(at)yahoo(dot)com

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**KiteSquid**

Master Kite Builder



Joined: 29 Aug 2003  
 Posts: 6248  
 Location: USA Virginia King George

Posted: Tue Mar 22, 2005 12:36 pm Post subject:

[QUOTE](#)

LOOKING GREAT!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

VR/  
 KiteSquid  
 AKA TakoIka  
 AKA Harold  
 King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Tue Mar 22, 2005 2:21 pm Post subject:

[QUOTE](#)

COOL! Looks great. Yours and mine will look nice flying together in April.  
 Now about Dieppe....

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**Fool**



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH

Posted: Tue Mar 22, 2005 2:27 pm Post subject:

[QUOTE](#)

I'm tryin to talk the girlfriend into a 20 hour drive up there. Guess I could fly but I've yet to be in a plane off the ground.

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Tue Mar 22, 2005 3:38 pm Post subject:

[QUOTE](#)

**Fool wrote:**

I'm tryin to talk the girlfriend into a 20 hour drive up there. Guess I could fly but I've yet to be in a plane off the ground.

Well, it's up to you We're not trying to pressure you Just because we end up one DS short of our mass launch target number Seriously though, we were planning on going up for the kite festival. Then we started looking at the tourism web pages and were really impressed Now we are going for 2 1/2 weeks, ending with the festival. We already have our lodging booked for the two weeks. It really looks like a beautiful area and a great place to take a vacation

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wdrwilson



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Tue Mar 22, 2005 3:56 pm Post subject:

QUOTE

Fool wrote:

I was sent this pic from a fellow local flier today.  
[/img]



DUDE!!!! That's a great looking kite!!! Congratulations again!

--Bill

Bill Wilson  
www.steadywinds.com  
Imagination is the highest kite one can fly. - Lauren Bacall

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woodpekr



Joined: 25 Nov 2003  
Posts: 540  
Location: USA Oregon Portland

Posted: Tue Mar 22, 2005 7:05 pm Post subject:

QUOTE

I gotta say these Double Stars are fantastic. The DS Team is doing great work! 

Rich Durant  
Portland, Oregon



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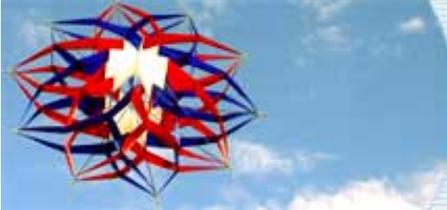
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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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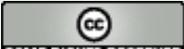
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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006   Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed Mar 23, 2005 12:37 am Post subject: D.S. TEAM <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <hr/> <p>HI RICH, Think about joining the team????? Lots of benefits , ask any of us he,he.</p> <p>CLIFF</p>
<p>Back to top</p>	<p><input type="button" value="PROFILE"/> <input type="button" value="PM ME!"/> <input type="button" value="E-MAIL"/></p>
<p><b>Fool</b>  Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Mon Mar 28, 2005 12:28 pm Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <hr/> <p>Here's some ground photos taken on sat. at my girlfriend's grandparent's house. Haven't had much good weather around these parts to get the kite back in the air or get any more photos while flying.</p> <p></p> <p>Kinda similar to the one of MM that ended up in the papers. Makes a cute desktop background for Rebekah, and Myself. 😊</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p>Back to top</p>	<p><input type="button" value="PROFILE"/> <input type="button" value="PM ME!"/> <input type="button" value="E-MAIL"/> <input type="button" value="AIM"/></p>

<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p>Posted: Mon Mar 28, 2005 12:44 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Great shots Fool!!!</p> <p>The edge binding really frames the kite well 😊</p> <p>--Bill</p> <hr/> <p>Bill Wilson <a href="http://www.steadywinds.com">www.steadywinds.com</a> Imagination is the highest kite one can fly. - Lauren Bacall</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a>   <a href="#">MSNM</a> </p>
<p><b>woodpekr</b></p>  <p>Joined: 25 Nov 2003 Posts: 540 Location: USA Oregon Portland</p>	<p>Posted: Mon Mar 28, 2005 1:46 pm Post subject: Re: D.S. TEAM <span style="float: right;">QUOTE</span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>CJQ wrote:</b></p> <p>HI RICH, Think about joining the team????? Lots of benifits , ask any of us he,he. CLIFF</p> </div> <p>Hi Cliff, I'm sure the benefits are great. It's onmy long list of things to do . . .</p> <hr/> <p>Rich Durant Portland, Oregon</p> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">  <p><b>SOME RIGHTS RESERVED</b> This work is licensed under a Creative Commons License.</p> </div>
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<p><b>KiteSquid</b> Master Kite Builder ★★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p>Posted: Mon Mar 28, 2005 3:20 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>WOW Nice smiles!!!!!!!!!!!!!!!</p> <p>Your kite makes me grin too 😊</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>kitepoor</b> Kite Builder II ★★★★</p> <p>Joined: 05 Sep 2003 Posts: 548 Location: USA Virginia Harrisonburg</p>	<p><input type="checkbox"/> Posted: Mon Mar 28, 2005 4:23 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I am going to have to buy one of those edge binders and learn how to use it!!!! That looks great! Soooo clean.</p> <p>first if was the digital camera that I needed, now this, I wonder when I get to start building kites again?</p> <hr/> <p>Randy a kite a nice thing kite in the air a beautiful thing kites to share the coolest thing</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006 🏆★★★★</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Mar 28, 2005 5:22 pm Post subject: Fool's D.S. <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Chris , I like the colors and mostly what the black edging does. Great job.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Grant L</b> Kite of the Year 2004 🏆</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Mon Mar 28, 2005 6:14 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>👍🤔😬 I agree! Looks great, especially with the edge binding. I can't wait to see it in person 😄</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Tue May 03, 2005 5:01 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>OK, so I've broken another (5th one) spar. I have the center hub set up to free float on the center spar. The way the first 4 broke were a freak accident for the most part but I think my bridle points are wearing on the spar ends so I'm going to put a solid piece of <b>Carbon</b> in each end of every spar about 5" deep. The wind I was trying to fly in was between 13-17 with gusts of 23 on occasion and I was holding the bridle point when I heard the spar split. I'm planning an making the hub stationary to help keep the spars straight and make them a little more rigid overall instead of allowing them to flex. What are some ideas for keeping the hub centered, but also being able to remove it for packing the kite? I was thinking some o-rings or small rubber bands between the feral and spar would prevent the hub from slipping. I'd really rather stay away from permanently gluing the hub to the center spar.</p> <hr/> <p>Chris Taylor Dayton, OH</p>

lowerdfool(at)yahoo(dot)com

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**Mountain Man**  
Kitebuilder of the Year 2003

Posted: Tue May 03, 2005 11:11 pm Post subject:

[QUOTE](#)



Joined: 04 Sep 2003  
Posts: 1093  
Location: NB Canada

Hi Fool

not sure what to say here .....as my hub is freeflowing and I find that the spars are free to go up and down and it works as a shock absorber ! I have yet to break a spar ! my line are also sort of free on the spars ! but I use the 10 mm spars! what size are you using? I have put lots of milage ( hours of flight) on that kite and flown in winds that gusting enough that I had to anchor to my truck as I could not hold it any more (old man) .... but maybe just luck but no broken spars ! but I would be afraid of making the bub solid I know some have done that but I surely would not ! 😊

Bernie  
the Mountain Man  
Paint the sky...  
"Fly a Kite!"

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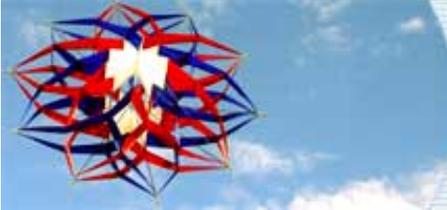
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
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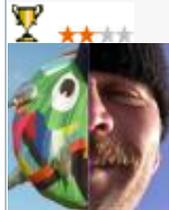
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Author	Message
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Wed May 04, 2005 8:44 am    Post subject:</p> <hr/> <p>I'm using the regular 10 mm Carbon spars. No solid Carbon in the ends.</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p>Back to top</p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>  <a href="#">AIM</a> </p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>   <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Wed May 04, 2005 9:13 am    Post subject: Spar breakage</p> <hr/> <p>Hi Chris, which end of the spars break inner or outer?? I have not had a problem with the 10mm , my hub is fixed . There are two theorys about fix or float, both make sense. I have had some bad crashes with no problems. The damage I do get when flying on sand is when the star comes down hard ,the back nose gets buried in the sand. It started to do a number on my sail point. My next star will have a large diameter cone shaped disc fitting to prevent that from occuring. My light wind spars are 2850's ,5 ft long. I re-used my original hub drilled for the 10mm's. To adapt them I cut short pc's. of the 10mm and glued the (externally) adaptors onto the 2850's. I actually needed slightly more than 60" so the short adaptors act like external Ferrels. Not good,,, The 10 mm pc's are straight grain Carbon, not a good external ferrule, they split when stressed. To solve that problem I installed 3/8 in. brass sleeves (collars) on the outer tips to prevent splitting.The 2850's reduced my spar weight by 50%. I plan on re-using the 10mm's on my 5 meter 12 point star now under construction. Havent decided on what extension material I will use for the additional lenght required,or what kind of ferruling. Let us know how you make out with your changes.</p> <p>CLIFF</p>
<p>Back to top</p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>

**Progcraft**  
Kitebuilder of the Year 2004



Joined: 29 Sep 2003  
Posts: 4023  
Location: Montreal, QC,  
Canada

Posted: Wed May 04, 2005 10:11 am Post subject:

QUOTE

I think there are 12 Double Stars in this picture 😊  
<http://napravnik.com/drachenfeste/cervia/pages/DSC03643.htm>

P

There is no box

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King  
George

Posted: Wed May 04, 2005 10:46 am Post subject:

QUOTE

I counted 13...

I looked for the longerons....

2 colums of 6 and one to left

TOO COOL!!!!!!

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**mhartzel**



Joined: 09 Dec 2003  
Posts: 907  
Location: USA, Michigan,  
Fraser

Posted: Wed May 04, 2005 11:37 am Post subject:

QUOTE

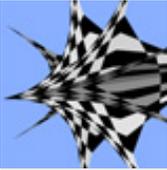
here's another look  
<http://napravnik.com/drachenfeste/cervia/pages/DSC03643.htm>

Mark  
Sand, Street or Sky... I love to fly.



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**spectre**  
  
 Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Fri May 06, 2005 7:11 am Post subject: [QUOTE](#)

And with the blue sky

[http://www.ucurtma.org/images/plans/doublestar/DS\\_Cervia\\_01.jpg](http://www.ucurtma.org/images/plans/doublestar/DS_Cervia_01.jpg)  
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Best Winds,  
 Ferruh Baysu

Last edited by spectre on Fri May 06, 2005 11:43 am; edited 1 time in total

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**KiteSquid**  
 Master Kite Builder  
 ★★★★★  
  
 Joined: 29 Aug 2003  
 Posts: 6248  
 Location: USA Virginia King George

Posted: Fri May 06, 2005 9:05 am Post subject: [QUOTE](#)

Oooo I do love those photos...

Who's kites are they???????

---

VR/  
 KiteSquid  
 AKA TakoIka  
 AKA Harold  
 King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

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P.P.P.P.S. Please excuse my spelling.....

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**jason g**  
 Master Kite Builder  
 ★★★★★  
  
 Joined: 15 May 2004  
 Posts: 84  
 Location: Oswego, NY

Posted: Sat May 14, 2005 10:42 pm Post subject: DS Project [QUOTE](#)

Well, the Cervia pictures finally pushed me over the edge. I'll try the 8 point to begin; I don't have a lot of room.

Has anyone experimented with shock cord on the D tip ends? Could I get enough tension? Seems like assembly would be simpler and the tension would even out, the smaller size shouldn't have quite as much stress on the panels.

Jason

---

jason g  
 It's more fun to fly with a club.  
 NYKE, GLKS, KICNYS, TKF, Keystone

The Seam Ripper is my friend; the Seam Ripper is my friend; the Seam Ripper is my friend....

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**CJQ**  
 Grand Champion, Kitebuilder  
 of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA - USA

Posted: Sun May 15, 2005 8:38 am Post subject: 8 POINT STAR

[QUOTE](#)

Hi Jason, Cervia Festival, are you refering to the picture showing 15 stars all flying together?? I'm told one was still on the ground. Ausum photo , wish I was there. Glad you are going to do the star. As for the shock cord I would rather go with a thick dacron line (hollow core) rather than a heavy duty bungie. Some guys used velcro pockets , others used a heavy line sewn in to the tips. The ones using line fastening are tensioning with the MKS fitting Stevef sells. I , for a few reasons would choose the MKS fitting with a nylon set screw, simple and effective. You will find that as careful as as you sew some panels will end up a little floppy in the wind. The shock cord method may not provide enough tension to sinch up enough slack. IMHO, Dig your heals in and give it a go , be shure to show us your progress.

CLIFF

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**jason g**  
 Master Kite Builder



Joined: 15 May 2004  
 Posts: 84  
 Location: Oswego, NY

Posted: Thu Jun 09, 2005 1:54 pm Post subject: DStar "Spidey"

[QUOTE](#)

Like I told Cliff a couople of weeks ago, I feel like I'm standing on the shoulders of giants in just attempting a doublestar. This first one of mine is just an 8 pointer. Instead of the circular patterns I tried for a spider look with the black legs and red body on (everything else) white.

How successful will depend on how it looks in the air, but of course no co-operation in the wind dept today. As usual I really learned a lot in making this kite.

[img]http://www.kitebuilder.com/forums/album\_pic.php?pic\_id=2523[/img]

[http://www.kitebuilder.com/forums/album\\_pic.php?pic\\_id=2523](http://www.kitebuilder.com/forums/album_pic.php?pic_id=2523)

jason g  
 It's more fun to fly with a club.  
 NYKE, GLKS, KICNYS, TKF, Keystone

The Seam Ripper is my friend; the Seam Ripper is my friend; the Seam Ripper is my friend....

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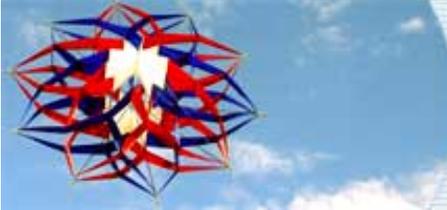
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Author	Message
<p><b>Progcraft</b> Kitebuilder of the Year 2004</p>  <p>Joined: 29 Sep 2003 Posts: 4023 Location: Montreal, QC, Canada</p>	<p><input type="checkbox"/> Posted: Thu Jun 09, 2005 2:04 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Woah, that's interesting. It does in fact resemble a spider. Nice work! Creative 😊</p> <p>P.</p> <hr/> <p>There is no box</p>
<p>Back to top</p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>wdrwilson</b></p>  <p>Joined: 24 Oct 2003 Posts: 1359 Location: Canada, Nova Scotia, Halifax</p>	<p><input type="checkbox"/> Posted: Thu Jun 09, 2005 2:25 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>WOhoooo... Way to go...</p> <p>That looks really cool. Have you flown it yet? can't wait to see some pics in the air..</p> <p>--Bill</p> <hr/> <p>Bill Wilson <a href="http://www.steadywinds.com">www.steadywinds.com</a> Imagination is the highest kite one can fly. - Lauren Bacall</p>
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**KiteSquid**  
Master Kite Builder  
★★★★★  
  
Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Thu Jun 09, 2005 4:52 pm Post subject: QUOTE

---

Nice variation!!!!!!!!!!  
I Like it!!!!!

---

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

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P.P.P.P.S. Please excuse my spelling.....

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**smarties**  
  
Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Thu Jun 09, 2005 10:20 pm Post subject: QUOTE  
EDIT

---

Nice work. I like the idea of a spider. 🤖

I can't believe this thread is still going on. The double star is surely a big hit and well deserves the 2004 kite of the year title. 😊

---

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😄 😄

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**Dorsal**  
Kite Builder II  
★★★★★  
  
Joined: 05 Oct 2003  
Posts: 714  
Location: USA California Tracy - 50 miles to the right of San Francisco

Posted: Fri Jun 10, 2005 1:56 am Post subject: Measurements QUOTE

---

Hey guys, I have a silly question. When you use the tinkertoy hub made by Steve, how far are the inner ends of the rods from each other? In other words, if I stick two 48 inch rods into opposing holes, are the outer ends  $(48+1) \times 2 = 98$  inches apart, or is it some other measurement? 🤔 🤔

---

"The wind is the perfect reminder of God.  
The only way we can prove it exists is by observing the things it affects.  
That's why I believe in the wind, too."  
Dennis  
Baha'i Faith

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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Fri Jun 10, 2005 9:23 am Post subject: HUB HOLES <a href="#">QUOTE</a></p> <hr/> <p>Hi Dorsal, good question. I dont think there is a fixed dimension. The depth of the holes in any given hub will be determined by the type of spar material and the diameter. or, wether the hub will have a center hole ,or the number of spars that will be incerted in that hub.The hub would be made to the smallest size possible to reduce weight. The other factor is to provide the optimum engagement to reduce deformation under load. The number of spars must be taken into consideration cause if the holes are too deep they will interfere with each other in the center. So, I geuss there is not a standard. Tony , when he designs a hub must know what the application is before he starts.Refering to the hub I made for my D.S. started out at 5 in. in diameter. there are 10 radial spar holes and one in the center for the spine. Spar size was 10 MM. the original radial hole depth was1 3/4 in. The holes were almuost touching at the bottom of the drilling. Thru trial and error after the star was flown I went thru a weight reduction process. The hub diameter was reduced from 5 to 4 in's. that reduced the hole depth by 1/2 in. leaving 1 1/4 depth. That dimension is quite sufficent to provide adaquite strength. The hub thickness is 3/4 in. Doing the math as you had mentioned earlier adds about 1 1/2 in's. to the total(opposing)spars. This is MHO. Steve or tony may add or correct this info. Dorsal you going to make a D.S. ???</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>KiteSquid</b> Master Kite Builder</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p>Posted: Fri Jun 10, 2005 9:26 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>If you are concerned, I would use an internal furrle in the spars and insert the furrle into the tinker toy, so the overall length would be the spar length x2 + the diamater of the tinker toy.....</p> <p>But you must stat this before you order your tinker toy.</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>Dorsal</b> Kite Builder II</p>  <p>Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p>Posted: Fri Jun 10, 2005 2:41 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Yes Cliff, I'm working to design one with 9 points. (Nine is a significant number to members of the Baha'i Faith, like my wife and myself.) Since the number is different than that of the original design, I need to know the dimensions so I can design the shape of each of the panels. I wish this discussion thread hadn't become so huge. I know there are some great observations and suggestions buried within the bowels of its 52 pages, but finding them is a nearly monumental task!</p> <hr/> <p>"The wind is the perfect reminder of God. The only way we can prove it exists is by observing the things it affects. That's why I believe in the wind, too." Dennis Baha'i Faith</p>

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<b>spectre</b>  Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey	<input type="checkbox"/> Posted: Sat Jun 11, 2005 4:04 am    Post subject: <a href="#">QUOTE</a> <hr/> Hi, Dorsal  Easiest way to find the panel dimensions is to draw a 3d model of the kite. If you want I can draw a 3d model of 9 point DS fore you. <hr/> Best Winds, Ferruh Baysu
Back to top	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a>
<b>Dorsal</b> Kite Builder II  Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco	<input type="checkbox"/> Posted: Sat Jun 11, 2005 5:06 am    Post subject: <a href="#">QUOTE</a> <hr/> Actually, I already created a CAD file and saved it to my personal gallery. If you'd like a look at the layout, here it is. I haven't really decided on the colors yet, but my wife likes these. [img]http://www.kitebuilder.com/forums/album_pic.php?pic_id=2527[/img]  <a href="http://www.kitebuilder.com/forums/album_pic.php?pic_id=2527">http://www.kitebuilder.com/forums/album_pic.php?pic_id=2527</a> <hr/> "The wind is the perfect reminder of God. The only way we can prove it exists is by observing the things it affects. That's why I believe in the wind, too." Dennis Baha'i Faith
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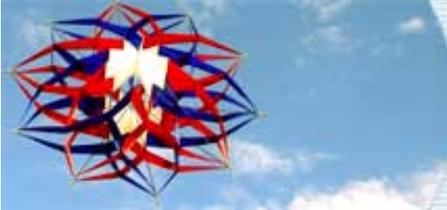
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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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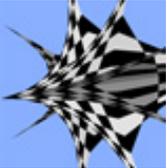
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Author	Message								
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Sat Jun 11, 2005 5:53 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi, Dorsal</p> <p>What will be the diameter of your kite? In theory your calculation is true. It will be 98". But in practical it is not, because tpe of the end connectors/pockets which you use on kite. So I can say that if you have 48 inch spars the kite dia will be 96-98inch.</p> <p>Don't cut the frames until building the kite sail. Use 1-2" longer center spar. And don't forget that the fabric will stretch a little bit.</p> <p>If any one makes a 9point one, here is the panels for a 3meter diameter kite:</p> <p><a href="http://www.ucurtma.org/images/plans/doublestar/9pds/DS_9P_cm.pdf">http://www.ucurtma.org/images/plans/doublestar/9pds/DS_9P_cm.pdf</a>  <a href="http://www.ucurtma.org/images/plans/doublestar/9pds/DS_9P_inch.pdf">http://www.ucurtma.org/images/plans/doublestar/9pds/DS_9P_inch.pdf</a></p> <hr/> <p>Best Winds, Ferruh Baysu</p>								
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<a href="#">PROFILE</a>	<a href="#">PM ME!</a>	<a href="#">E-MAIL</a>	<a href="#">WWW</a>						
<a href="#">MSNM</a>									
<p><b>Dorsal</b> Kite Builder II</p>  <p>Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p><input type="checkbox"/> Posted: Sat Jun 11, 2005 6:00 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Ferruh - I was planning to use 60" (150 cm) rods, which does come to 3m, now that I think about it. Thanks for the panel layouts - I'll check the dimensions against the ones I came up with. Do you maybe have an image of the completed kite, that I can see the proportions of the panel layouts?? If so, would you please let me know, or email them to me?</p> <p> </p>								
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<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2194 Location: USA PA ALLENTOWN</p>	<p>Posted: Sun Jun 12, 2005 9:38 am Post subject: Re: DStar "Spidey" <span style="float: right;">QUOTE</span></p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>jason g wrote:</b></p> <p>Like I told Cliff a couple of weeks ago, I feel like I'm standing on the shoulders of giants in just attempting a doublestar. This first one of mine is just an 8 pointer. Instead of the circular patterns I tried for a spider look with the black legs and red body on (everything else) white.</p> <p>How successful will depend on how it looks in the air, but of course no co-operation in the wind dept today. As usual I really learned a lot in making this kite.</p> <p>[img]http://www.kitebuilder.com/forums/album_pic.php?pic_id=2523[/img]</p> <p><a href="http://www.kitebuilder.com/forums/album_pic.php?pic_id=2523">http://www.kitebuilder.com/forums/album_pic.php?pic_id=2523</a></p> </div> <p>Very good Jason! Tying the graphic into the shape of the kite.... bonus points! You have come a long way...</p> <p>You guys interested in kitemakers competiton... watch out for Jason!</p> <p>Super job,</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! </p>
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<p><b>stevef</b> Administrator</p>  <p>Joined: 27 Aug 2003 Posts: 2194 Location: USA PA ALLENTOWN</p>	<p>Posted: Sun Jun 12, 2005 9:45 am Post subject: Re: Measurements <span style="float: right;">QUOTE</span></p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>Dorsal wrote:</b></p> <p>Hey guys, I have a silly question. When you use the tinkertoy hub made by Steve, how far are the inner ends of the rods from each other? In other words, if I stick two 48 inch rods into opposing holes, are the outer ends (48+1)X2=98 inches apart, or is it some other measurement?</p> <p> </p> </div> <p>Denis, how far apart would you like them to be? I am at home right now and dont have the fitting in front of me, but we can make them to your spec... as long as the holes do not intersect. Realize when you drop a drill 2 inches into plastic, you do not get a 2 inch spar insertion.... drill bits are pointed...</p> <hr/> <p><b>Steve Ferrel</b> <b>Kite Studio - Go Build a Kite!</b> Measure once, buy twice! </p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p> <p><a href="#">WWW</a></p>
<p><b>Dorsal</b> Kite Builder II</p>  <p>Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p>Posted: Sun Jun 12, 2005 3:57 pm Post subject: <span style="float: right;">QUOTE</span></p> <p>Well Steve - I did my design as if the spars were 60 3/4 inches long, 8mm in diameter. So, I presumed the bottom of the holes described a circle 3/4" in radius, which leaves about .435" (less the drill point) of "stopper" at the bottom of each hole. If the hub were 4 1/2" in diameter, that would allow the rods to insert about 1 1/2" into the hub.</p> <p>That should work, right? I'd like to reduce the diameter from 5", to reduce the weight as much as practical.</p> <p>Hey, a question for the group: I am thinking about "gilding" the edges of the panels. Does anyone know of a source for GOLD ribbon, say, 3/4 - 1" wide, that would work? I was thinking to stomp around the local JoAnn's to see if they have some decorative ribbon that might survive being sewed to a kite. Any other suggestions??</p>

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<p><b>KiteSquid</b> Master Kite Builder ★★★★★  Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Mon Jun 13, 2005 9:54 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I would have to send you to the farbic section of Wal-Mart, as the prices are generally lower than fabric stores.</p> <p>Check the fiber content.... if you are using RSN for your sail and polyester ribbon, they have diffrent stretch when the RSN pickes up moisture from the air.... Tight edging with a loose sail can happen.. If it it bias ribbon, then you should have less of an issue than using Grossgrain ribbon...</p> <p>Check how it will hold up in the wind by making a flap test strip for your car antenna, but make SURE that it will not contact any point on the car as you will end up with scrtched paint, glass or chrome.....</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>Dorsal</b> Kite Builder II ★★★★★  Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p><input type="checkbox"/> Posted: Mon Jun 13, 2005 11:04 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Thanks Harold - I hadn't thought about letting a strip flap off the car antenna to test for wearability. 🙄 😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>KiteSquid</b> Master Kite Builder ★★★★★  Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Tue Jun 14, 2005 9:09 am Post subject: <a href="#">QUOTE</a></p>

Remeber that one hour at legal highway speeds is equal to over a year of kite flight time....

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**jason g**  
Master Kite Builder



Joined: 15 May 2004  
Posts: 84  
Location: Oswego, NY

Posted: Tue Jun 14, 2005 9:05 pm Post subject: Spidey Flies

[QUOTE](#)

We still haven't had a decent breeze (except for the hurricane leftovers and TStorms - Sorry no Ben Franklin attempts -)

But he's up

[img]http://www.kitebuilder.com/forums/album\_pic.php?pic\_id=2536[/img]

hopefully the breezes will cooperate at Kites over Keuka on Sat.

jason g  
It's more fun to fly with a club.  
NYKE, GLKS, KICNYS, TKF, Keystone

The Seam Ripper is my friend; the Seam Ripper is my friend; the Seam Ripper is my friend....

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB, Canada

Posted: Wed Jun 15, 2005 6:35 am Post subject: Re: Spidey Flies

[QUOTE](#)  
[EDIT](#)

Beautiful!!! 🙄

Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊 😊

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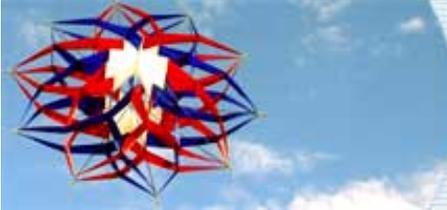
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2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>jason g</b> Master Kite Builder ★★★★★</p>  <p>Joined: 15 May 2004 Posts: 84 Location: Oswego, NY</p>	<p><input type="checkbox"/> Posted: Wed Jun 15, 2005 7:12 pm    Post subject: Spidey DStar <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I finally got some wind and someone to snap a pic</p> <p>[img]http://www.kitebuilder.com/forums/album_pic.php?pic_id=2538[/img] http://www.kitebuilder.com/forums/album_pic.php?pic_id=2538</p> <p>That's the last one; now I'll shut up.</p> <hr/> <p>jason g It's more fun to fly with a club. NYKE, GLKS, KICNYS, TKF, Keystone</p> <p>The Seam Ripper is my friend; the Seam Ripper is my friend; the Seam Ripper is my friend....</p>
<p>Back to top</p>	<p style="text-align: center;"> <a href="#">PROFILE</a>   <a href="#">PM ME!</a>  <a href="#">WWW</a> </p>
<p><b>imagin</b> Kite Builder I ★★★★★</p>  <p>Joined: 22 Oct 2003 Posts: 330 Location: Moncton, NB Canada</p>	<p><input type="checkbox"/> Posted: Wed Jun 15, 2005 9:46 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Oooooooh, does that ever look good in flight!</p> <hr/> <p>Knowledge is limited. Imagination encircles the world.</p>
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<p><b>Dorsal</b> Kite Builder II ★ ★ ★ ★ ★  Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p>Posted: Thu Jun 16, 2005 12:01 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Sorry, I HATE Black Widow spiders - too many painful memories from getting bit by the nasty little buggers! But I'm glad you finished the kite, and that it flies well. Congratulations!</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>rbojarski</b> Master Kite Builder ★ ★ ★ ★ ★  Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Tue Jul 05, 2005 12:36 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Finally got around to trying to fly my double star today. Tried to launch it at the 4th of July festival down in Orting, Washington. Here's a pic of the Double Star on display outside a vendor tent at the festival.</p> <p>[img]http://www.kitebuilder.com/forums/album_pic.php?pic_id=2569[/img]</p> <p>Here's a second picture of the kite all bridled up and ready for a launch.</p> <p><a href="http://www.kitebuilder.com/forums/album_pic.php?pic_id=2568">http://www.kitebuilder.com/forums/album_pic.php?pic_id=2568</a></p> <p>Orting is infamous for lack of winds, and lack of CONSISTENT winds. The best the winds got up to was a very brief 5 mph, I managed to struggle the thing into the air, and pumped it up to about 15 feet of the ground, but couldn't shoot a picture and try to fly the kite at the same time.</p> <p>The kite was certainly display to gather the crowds. Folks were even stopping to take pictures of their children in front of the kite. The vendors were all rooting for me to get it launched (and I tried for about an hour), but the winds just wouldn't cooperate.</p> <p>Maybe next time!</p> <p>Last edited by rbojarski on Tue Jul 05, 2005 10:18 am; edited 1 time in total</p>
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<p><b>Grant L</b> Kite of the Year 2004   Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Tue Jul 05, 2005 1:50 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Nice Going 🍷👍🤔🤔🤔🤔🤔 Chris and I ended up running with ours to get them in the air at the Airwaves festival this spring 😊😊😊</p>
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**spectre**  
  
 Joined: 11 Nov 2003  
 Posts: 114  
 Location: Ankara, Turkey

Posted: Tue Jul 05, 2005 4:08 am Post subject: QUOTE

---

Nice job, I like the contrast of the center colours. Now need a better photo in air with blue background. I hope you find good wind to fly your kite.

---

Best Winds,  
 Ferruh Baysu

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**wdrwilson**  
  
 Joined: 24 Oct 2003  
 Posts: 1359  
 Location: Canada, Nova Scotia, Halifax

Posted: Wed Aug 17, 2005 11:52 am Post subject: QUOTE

---

Here is a shot of double stars by GrantL, CJQ and wdrwilson... (hmmm one of these things is not like the other 😊 😊 )

[http://www.steadywinds.com/gal/dieppe2005/100\\_3492](http://www.steadywinds.com/gal/dieppe2005/100_3492)

Cheers,  
 Bill

---

Bill Wilson  
[www.steadywinds.com](http://www.steadywinds.com)  
 Imagination is the highest kite one can fly. - Lauren Bacall

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**rbojarski**  
 Master Kite Builder  
  
  
 Joined: 30 Sep 2003  
 Posts: 440  
 Location: Auburn, Washington

Posted: Wed Aug 17, 2005 11:59 am Post subject: QUOTE

---

Bill...thanks for sharing the link. I just looked thru the rest of the pictures. Looks like you had great weather and a great festival.

Ray Bojarski

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**Progcraft**  
 Kitebuilder of the Year 2004  
  
  
  
 Joined: 29 Sep 2003  
 Posts: 4023  
 Location: Montreal, QC, Canada

Posted: Wed Aug 17, 2005 12:22 pm Post subject: QUOTE

---

Thanks for the link!!!  
 Question: Is that a nose-diving Trilobyte in picture 46?? 😊

P

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There is no box

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wdrwilson



Joined: 24 Oct 2003  
Posts: 1359  
Location: Canada, Nova Scotia, Halifax

Posted: Wed Aug 17, 2005 12:41 pm Post subject:

QUOTE

**Progcraft wrote:**

Thanks for the link!!!  
Question: Is that a nose-diving Trilobyte in picture 46?? ☹️  
P

Yes Sir... I was taking photos of Meg Albers helping Pierre Fabre get his Space man in the air and didn't even notice it until I reviewed the pictures later. I thought it looked cool so I included it in the gallery 😊

Cheers,  
Bill

Bill Wilson  
[www.steadywinds.com](http://www.steadywinds.com)

Imagination is the highest kite one can fly. - Lauren Bacall

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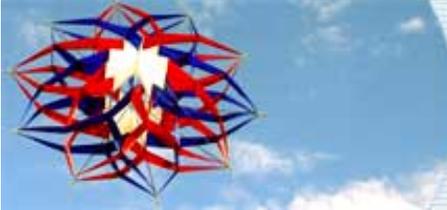
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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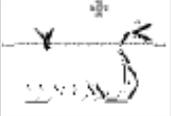
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Author	Message
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Wed Aug 17, 2005 4:51 pm    Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <hr/> <p>I've figured out a few different methods for making a mini double star. @20% the original size. Once we finish building a few I'll post up details for anyone interested. Hopefully it'll be able to fly indoors or outdoors in decent breezes. I'll let you all know more info later though. I will say it won't take but a day or two to build. I've got plan drawings on my pc but need to make sure everything goes together good before I expose them.</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a>                       <a href="#">PM ME!</a>                       <a href="#">E-MAIL</a>  <a href="#">AIM</a> </p>
<p><b>mhartzel</b></p>  <p>Joined: 09 Dec 2003 Posts: 907 Location: USA, Michigan, Fraser</p>	<p><input type="checkbox"/> Posted: Wed Aug 17, 2005 6:29 pm    Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <hr/> <p>A mini double star... BRILLIANT I'd be willing to build one.</p> <hr/> <p>Mark Sand, Street or Sky... I love to fly.</p>
<p><a href="#">Back to top</a></p>	<p> <a href="#">PROFILE</a>                       <a href="#">PM ME!</a>                       <a href="#">E-MAIL</a>  <a href="#">WWW</a> </p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Thu Aug 18, 2005 12:36 am    Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></div> <hr/> <p>I've been thinking of building a mini double start too. I have very light small aluminium tubing for the spars. Probably a winter project for me. Keep us posted.</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>

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<p><b>Dorsal</b> Kite Builder II ★★★★☆  Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p><input type="checkbox"/> Posted: Thu Aug 18, 2005 1:22 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I'm still waiting for Steve to replenish his supply of Ice Blue fabric, so I can make mine. I really want to make it out of that color!</p> <hr/> <p>"The wind is the perfect reminder of God. The only way we can prove it exists is by observing the things it affects. That's why I believe in the wind, too." Dennis Baha'i Faith</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Fool</b>  Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Thu Aug 18, 2005 8:39 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>We should have the first one built by the weekend. I'll post pics as soon as we get them.</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">AIM</a></p>
<p><b>dpb</b> Master Kite Builder ★★★★☆  Joined: 17 Dec 2003 Posts: 568 Location: Portland, OR</p>	<p><input type="checkbox"/> Posted: Thu Aug 18, 2005 2:11 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>All this talk about miniaturizing has got my attention. Maybe I can come up with some techniques to make one about 6 to 8 inches, using light washi, bamboo and basswood. Hmmmm.</p> <hr/> <p>Dave</p> <hr/> <p>Cherry Blossoms fall like rain, A lively kite steals the sky, Paradise in a moment.</p>
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<p><b>KiteSquid</b> Master Kite Builder ★★★★☆  Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Fri Aug 19, 2005 9:47 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Orcon sail and Carbon spars.....</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>

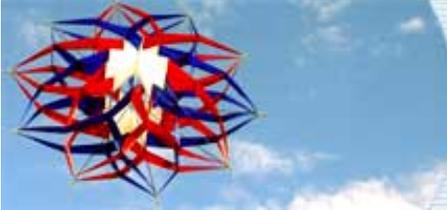
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<p><b>sharky</b></p>  <p>Joined: 22 Mar 2004 Posts: 30 Location: Norway</p>	<p><input type="checkbox"/> Posted: Fri Aug 19, 2005 4:35 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I did just stumble over this variation a german site. the tips of the star done this way might be smart on a mini, as it will give you a bit more surface. <a href="http://www.kunstdrachen.de/Produkte/Kastendrachen/Lotus/lotus.html">http://www.kunstdrachen.de/Produkte/Kastendrachen/Lotus/lotus.html</a></p> <hr/> <p>Whenever i see a hole in the sky I feel like filling it with a kite.</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a></p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Fri Aug 19, 2005 10:23 pm Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <div style="border: 1px solid gray; padding: 5px;"> <p><b>sharky wrote:</b></p> <p>I did just stumble over this variation a german site. the tips of the star done this way might be smart on a mini, as it will give you a bit more surface. <a href="http://www.kunstdrachen.de/Produkte/Kastendrachen/Lotus/lotus.html">http://www.kunstdrachen.de/Produkte/Kastendrachen/Lotus/lotus.html</a></p> </div> <p>  </p> <hr/> <p>Smarties  <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before!  </p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Fri Aug 19, 2005 10:50 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I have a Lotus kite. It still needs a hefty breeze to get it in the air. When the wind drops to a particular level the kite comes down....fast. When in the air, it looks great, though.</p> <p>When flying it in really gusty air, next to a lake, one of the spars popped out. It flew out over the lake, and with a lot of line handling, and luck, I got it down safely..on dry ground. Made me a tad nervous! </p> <p>Sort of reminded me of my first duel line flight!! </p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>rbojarski</b> Master Kite Builder ★★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p><input type="checkbox"/> Posted: Fri Aug 26, 2005 12:03 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>A question for all you double star experts....</p> <p>I do promise to get mine in the air one of these days 😊 , but I've been thinking about the framing for the D-Star.</p> <p>After building the G.Envall square flake, S.Spencers 5 sided facet kite, and a Pefado which is an 8 sided cell kite, I curious about the framing on the D-Star. Why can't the kite be tensioned with spars around the circumference of the kite kite the pefado and facet kites? This would eliminate the heavy center spar, and the 10 spars around the circumference of the star would be considerably shorter than the total length of the spars radiating out from the center of the kite.</p> <p>It seems the star could be assembled/disassembled much quicker using only the circumference spars.</p> <p>Has anyone else thought of this or tried this? How heavy would the circumference spars need to be?</p> <p>Thanks, Ray Bojarski</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Fri Aug 26, 2005 1:08 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/>

**rbojarski wrote:**

A question for all you double star experts....

I do promise to get mine in the air one of these days 😊 , but I've been thinking about the framing for the D-Star.

After building the G.Envall square flake, S.Spencers 5 sided facet kite, and a Pefado which is an 8 sided cell kite, I curious about the framing on the D-Star. Why can't the kite be tensioned with spars around the circumference of the kite kite the pefado and facet kites? This would eliminate the heavy center spar, and the 10 spars around the circumference of the star would be considerably shorter than the total length of the spars radiating out from the center of the kite.

It seems the star could be assembled/disassembled much quicker using only the circumference spars.

Has anyone else thought of this or tried this? How heavy would the circumference spars need to be?

Thanks,  
Ray Bojarski

I've been thinking about this since I'm planning on sparking the mini DS the same way. If it was jointed I don't think the spars would work but as one solid looking ring it might work. I'd imagine the outter frame would have to be fairly tough since the sail pulls inward as the winds get stronger. Although some good fiberglass sparing would be a lot more rigd overall. You'd shave the weight of 3 spars since it would only really requilre 6.5 to get a 10' diameter. 31.4159' to be exact. Hmmm. It might just work. Give it a try and tell us if it works.

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
Posts: 714  
Location: USA California  
Tracy - 50 miles to the right of San Francisco

Posted: Fri Aug 26, 2005 3:37 pm Post subject:

[QUOTE](#)

Yeah, the joints would be a killer.  
BTW, my math came to the same conclusion as Chris'

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**rbojarski**  
Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn, Washington

Posted: Sun Aug 28, 2005 1:16 am Post subject:

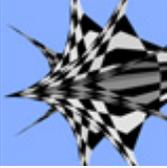
[QUOTE](#)

For joints I would probably try to use reinforced plastic tubing, like Scott used on the facet kite, and like I used on the Pefado. The tubing has some amount of flex to it, and would be much less of a bend than the 5 sided facet or the 8 sided pefado. The pieces of tubing could be attached to the ends of the sails via split rings.

I was hoping someone like Spectre or Cliff Quinn could post a comment about perimeter framing. I really don't want to invest a bunch of money in 10 mm spars (or larger) is he has already tried perimeter framing, or can think of some reason why it would not work. I used .2500 fiber glass rods for the perimeter framing for the pefado. The kite ends up being about 60 inches in diameter. I'm using 8 pieces of rod, each 22 inches long.

It should work quite well on a smaller sized d-star.

Ray Bojarski

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<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Mon Aug 29, 2005 4:18 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Hi, Ray</p> <p>I didn't try this. On Pefado the spines are closer to the outside. Not in the center. So the Panels are very short and I think tension is less than on Doublestar.</p> <p>When I am flying my 3.6meter DS, I saw that there is too much stress on the lower bridle points. The frame bends too much. So I made a 4 point bridle. I connect an additional point to the back of the spine to adjust the angle of the kite. The buttom bridle points are to stop rotation of the kite. To reduce tension also you can use one point bridle. This is what I am doing in first flight. The kite pulls less and also tension is less. But the kite flows very low.</p> <p>There is a 2meter snowflake plan <a href="http://www.geocities.com/p_lerich/snowflak/snowflak.html">http://www.geocities.com/p_lerich/snowflak/snowflak.html</a></p> <p>You can try a ring like here. It will be easier. Take five 2meter length 10mm FG. This will be more than you need but you can cut one of them.</p> <p>If I have time, I can try it easily but in these days I don't have time for kite flying. This year I can only join one kite Festival.</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>KiteSquid</b> Master Kite Builder ★★★★</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Mon Aug 29, 2005 9:18 am    Post subject: <a href="#">QUOTE</a></p> <hr/> <p><b>rbojarski wrote:</b></p> <p>The pieces of tubing could be attached to the ends of the sails via split rings.</p> <p>I try to stay away from split rings (also called key rings) as they rust and that stains the sail, but I have seen one spred open and fail.....</p> <p>I would probably sew loops to the end of the sail that thread thru the fittings before being sewn down.</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Mon Aug 29, 2005 10:19 am Post subject: 12 Point DS <span style="float: right;">QUOTE</span></p> <p>Hi Ferruh, as I mentioned before I am going thru a re-sparring of my new 5.3 meter DS The 10mm /8mm will not do the job. Ray did have a unique suggestion sparring around the O.D. The spars I initially used do ok for the kite once it's in the air. I experienced spar s braking on launch. To launch I pull on the center point and when the angle increases the star will lift off well. The problem is when it stands up all the weight ( 9.5lbs) is on the two bottom spars. The spars are 5 ft. 10mm ferruled with an 8mm to make up 8 1/2 feet. I wonder if an external sparring would function and spread the load. My plan is to replace the inner 10mm spars with 12.7mm and replace the 8mm spars with the 10mm. I did make a substitution of the 8mm on the bottom so the two lower ones are all 10mm. That stopped the brakeage. However I would like to add a safety factor with the new substitution. An additional benifit will be a little more sail tension with less spar bowing. The 12 mm star will launch at 5 mph wind. The top end is prox 10 to 12 mph. I had it up at 15 mph and had a scary flight. So , If winds are at that level It ain't giong up. Ferruh I bridle with 3 points ,two at the bottom and the center point. Do your DS bridle lines come to the fly line and meet at one tow point or do you spread the two from the bottom away from the center one.I do the latter. This seems to stop rotation somewhat.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Mon Aug 29, 2005 5:17 pm Post subject: <span style="float: right;">QUOTE</span></p> <p>I saw Cliff's big DS at Dieppe and it was spectacular 🤩🤩🤩 but the noise the spars made when breaking was worse than nails on a chalk board, ( at least to a kitebuilder. 😞 · 🙄 · )</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>bjornng</b></p>  <p>Joined: 04 Mar 2004 Posts: 26 Location: Sweden, Orebro</p>	<p>Posted: Mon Aug 29, 2005 5:36 pm Post subject: <span style="float: right;">QUOTE</span></p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p><b>rbojarski wrote:</b></p> <p>A question for all you double star experts...</p> <p>I do promise to get mine in the air one of these days 😊 , but I've been thinking about the framing for the D-Star.</p> <p>After building the G.Envall square flake, S.Spencers 5 sided facet kite, and a Pefado which is an 8 sided cell kite, I curious about the framing on the D-Star. Why can't the kite be tensioned with spars around the circumference of the kite kite the pefado and facet kites? This would eliminate the heavy center spar, and the 10 spars around the circumference of the star would be considerably shorter than the total length of the spars radiating out from the center of the kite.</p> <p>It seems the star could be assembled/disassembled much quicker using only the circumference spars.</p> <p>Has anyone else thought of this or tried this? How heavy would the circumference spars need to be?</p> <p>Thanks, Ray Bojarski</p> </div> <p>Ray, Maybe this is what you have in mind?</p> <p><a href="http://www.kite1.at/images/drachen_reiss/starflake_violett.jpg">http://www.kite1.at/images/drachen_reiss/starflake_violett.jpg</a></p>

[http://www.kite1.at/images/drachen\\_reiss/starflake\\_gruen.jpg](http://www.kite1.at/images/drachen_reiss/starflake_gruen.jpg)



/Björn

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**CJQ**  
 Grand Champion, Kitebuilder  
 of the Year 2006

Posted: Mon Aug 29, 2005 6:03 pm    Post subject: DS W/ radial sparing

[QUOTE](#)



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA -  
 USA

Hello Bjorn, Great pictures. Can you tell us the diameter. Looks smaller than 3meters??

CLIFF

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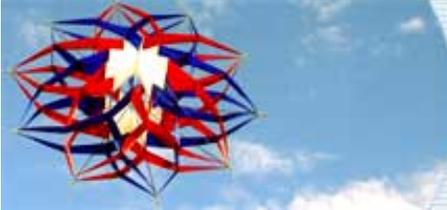
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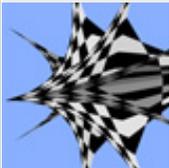
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Author	Message
<p><b>bjornng</b></p>  <p>Joined: 04 Mar 2004 Posts: 26 Location: Sweden, Orebro</p>	<p><input type="checkbox"/> Posted: Tue Aug 30, 2005 3:44 am Post subject: Re: DS W/ radial spring <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>CJQ wrote:</b></p> <p>Hello Bjorn, Great pictures. Can you tell us the diameter. Looks smaller than 3meters??</p> <p>CLIFF</p> </div> <p>No, I have no information on this, I'm afraid. I found these pictures on an Austrian site. It's run by an Austrian kite club. If you follow the link "Unsere Drachen" (= Our Kites) on the following address you will find more kite pictures: <a href="http://www.kite1.at/">http://www.kite1.at/</a></p> <p>No technical information, though. ☹️</p> <p>/Björn</p>
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<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Tue Aug 30, 2005 4:33 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>If I am not seeing wrong, the kite has one point bridle. Probably when attaching lower bridles will cause to distort the shape of the kite. The kite will be liter but because of the low angle the kite need more wind and flight very low.</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
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**rbojarski**  
Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn, Washington

Posted: Thu Sep 01, 2005 11:09 am Post subject:

[QUOTE](#)

Bjorn.....That's almost what I had in mind. I was thinking of using reinforced plastic tubing as connectors at the tips of each star point. The perimeter would then be a 10 sided polygon, not a continuous loop as in your pictures.

Great photos, of great looking kites.

I guess I'll just have to seriously thing about this mod.

Any idea what size rods I would need to frame the d-star with 10 perimeter segments? Would the 10 mm rods be big enough? Could I use something with a smaller diameter? Would I need something larger than 10 mm?

Thanks,  
Ray Bojarski

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**Fool**



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH

Posted: Thu Sep 01, 2005 12:00 pm Post subject:

[QUOTE](#)

**rbojarski wrote:**

Bjorn.....That's almost what I had in mind. I was thinking of using reinforced plastic tubing as connectors at the tips of each star point. The perimeter would then be a 10 sided polygon, not a continuous loop as in your pictures.

Great photos, of great looking kites.

I guess I'll just have to seriously thing about this mod.

Any idea what size rods I would need to frame the d-star with 10 perimeter segments? Would the 10 mm rods be big enough? Could I use something with a smaller diameter? Would I need something larger than 10 mm?

Thanks,  
Ray Bojarski

My thoughts on your 10 sided flexible jointed frame is that the frame willnot hold it's shape as a decagon. The tension on the kite will be of inward force and also front to back since the ds has in actuality 2 sails on one frame. The joints could possibly fold inwards with the flexibility of the star. If you look at a snowflake it is one point of fabric for one joint. The only way it would work on the double star is if there was EXACT tension on every point at the joints and then putting the thing together would make it even harder to assemble than the way it is done now. I think outside forces like a thump on the ground would cause the joints to change position as well. So even if it was exact tension all the way around it could fold up if the wind just suddenly dies off.

With a solid ring the tension doesn't have to be exact because the ring will more often than not hold it's shape bouncing on the ground or flying in the air.

The double star tends to fall like a rock in the sky if the wind isn't stable or consistent.

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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**kiteguy**  
Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near Kansas  
City

Posted: Sat Sep 03, 2005 4:29 am Post subject: Re: 12 Point DS

QUOTE

**CJQ wrote:**

Hi Ferruh, as I mentioned before I am going thru a re-sparring of my new 5.3 meter DS Ferruh I bridle with 3 points ,two at the bottom and the center point. Do your DS bridle lines come to the fly line and meet at one tow point or do you spread the two from the bottom away from the center one.I do the latter. This seems to stop rotation somewhat.

CLIFF

Just wondering...if one were to bridle from 4 points at the bottom and one at the center. Would that stop the rotation of the big beast any more?Surely the extra would not make any difference. 



Dave Ellis  
Kites + Kids = Education

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**CJQ**  
Grand Champion, Kitebuilder  
of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Sat Sep 03, 2005 9:54 am Post subject: D.S. Bridle

QUOTE

Hi Dave , just read your last post and my previous post asking Spectre about his method of bridling. Quite frankly I have egg on my face. The question I posed was Dumb. Dont know why I asked it. When I bridled my new 5.3 meter star initialy I hadto determine the attack angle. That was done by holding the blidles at the tow point ( 2 lower bbidles ,equal length) and the center bridle somewhat longer. By pulling the center bridle ,causing the star to stand up the star lifted by it self when the attack angle was almost correct. The part that I had failed to remember was once I determined the correct angle I brought the star down and added a secondary bridle to join the center and lower bridles. I added a double larkshead loop to that line so I could make slight angle adjustments when the wind force was higher or lower. As far as ROTATION I dont expirence that problem with my 3 meter star or the big one. When I see referal to rotation I think of spinning. Spinning never occurs. When the wind is shifty both stars will wander side to side. That is the nature of that kite. the benifit of adding more bridle lines spreads the load which is a benifit in high winds. Changing the subject,,,, I saw on a European link the double stars with an outer ring frame , also I saw in another photo the same star in a stack formation I think there was 4 or 5. Quite impressive.

CLIFF

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
Posts: 714  
Location: USA California  
Tracy - 50 miles to the right  
of San Francisco

Posted: Sun Sep 04, 2005 11:18 pm Post subject: What strentgh flight lines?

QUOTE

Hey - uhhh - dumb question here I guess. It was probably mentioned somewhere in the past 57 pages of discussion, but I don't know how to run a search within a specific thread. What is the suggested strength of lines to fly a 3 meter double-star?   
I'm talking about the set of lines I'm going to fly the kite with, in whatever wind tempts me to do so. Thanks.

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<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Mon Sep 05, 2005 6:18 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I am using 120kg(250lb) dacron line. I test the kite/line up to 20+mph wind.</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a> <a href="#">MSNM</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>   <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Sep 05, 2005 9:12 am Post subject: Star Line <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Dorsal, Like Ferruh I also use 250 lb bridling and fly line. (3 meter ) I have attachment loops at each bridle point. I larkshead the bridle on.</p> <p>CLIFF</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Dorsal</b> Kite Builder II</p>  <p>Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p><input type="checkbox"/> Posted: Mon Sep 05, 2005 1:19 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Ferruh and Cliff, thank you. I was thinking of using 300# lines, (because that's what I have available) but was wondering if that would be excessive. It would seem that my 300# line will only add a slight margin for safety. Thanks guys!</p> <p>btw, I'm just getting started cutting the material pieces now; the kite is a long way from finished. I just like to think an issue through to the end before I cut the first piece. I hate making mistakes.</p>
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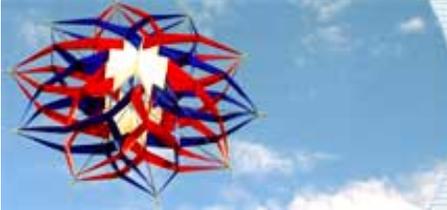
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2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>kitepoor</b> Kite Builder II ★★★★</p> <p>Joined: 05 Sep 2003 Posts: 548 Location: USA Virginia Harrisonburg</p>	<p><input type="checkbox"/> Posted: Mon Sep 05, 2005 3:02 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>this is likely to be a dumb reply to Ray, but here goes my idea... How about a dihedral block as a connector at each end of the spars? That would be rigid, and the web could be drilled to receive bunji type tensioners. I suppose that an aluminum ferrel could be bent to match the desired angle... and still drilled to receive tensioning device. It seems to me the trouble with any segmented idea is that the spars could pivot inside their connectors and allow the frame to fold on an axis out of one plane, but then maybe the bridle could take care of that.</p> <p>I like watching you guys do this kite, cause I know I will not be building one, just too many small parts for my attention span.</p> <hr/> <p>Randy a kite a nice thing kite in the air a beautiful thing kites to share the coolest thing</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>Dorsal</b> Kite Builder II ★★★★</p>  <p>Joined: 05 Oct 2003 Posts: 714 Location: USA California Tracy - 50 miles to the right of San Francisco</p>	<p><input type="checkbox"/> Posted: Tue Mar 14, 2006 5:24 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hey, I'm finally getting time to sew my doubleStar together (about 1/2 done). But the more I get sewn together, the more something is bothering me. You see, I want to make a storage bag for the kite, also. So, here's probably a dumb question - How do you get one of these into a bag for storage? Do you just roll the sail up like a burrito, around the central spar? In a 64" bag? Do you remove the central spar and somehow fold the sail into submission? Remove all the spars and just jam it into a stuff-sack like you do to the large inflatables?</p> <hr/> <p>"The wind is the perfect reminder of God. The only way we can prove it exists is by observing the things it affects. That's why I believe in the wind, too." Dennis Baha'i Faith</p>

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<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Tue Mar 14, 2006 5:54 pm    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I take the sail off of the spine to store mine and the sail really doesn't take up much space,( I still don't have a bag for the sail though 😞 .) I still haven't found a good way to fold it. Every time I assemble it, there is a lot of untangling involved 😞 . I think that Chris has a way to fold his that avoids the tangles. ( I am going to have to have him teach me this year at Airwaves 😊 )</p>
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Tue Mar 14, 2006 5:58 pm    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Hi Dorsal, I HATE WRINKLED SAILS. you ask good questions. I have two bags for each of my Double Stars. One for the sails and other for the spars. The hub gets placed in with the sail. You will notice that once a sail unit (front and back section) is completed the sail will no longer lay flat. When I break down my stars I remove all spars. I then will grasp the sail at the center end wave the sail in the air to get the panels as smooth as possible. But at the end your holding there will be a twist. I will try to carefully fold that twist as flat as possible.then finaly I will loosely fold the sail in prox. one foot sections starting from the center. You will then have 9 tips on the out side. That twist will be a concern each time you set your kite up. Best thing to do is fan out the sail ,step thru the cells to reach the center and shove the spine thru the center pocket and attach the sail. Next install your hub incert your spars attach the tips flip the kite over and repeat the process for the other side. I think each of the Star owners has his own method of assembly. I do believe we all have seperate bags. Hope this helps.</p> <p>CLIFF</p>
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a>
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Tue Mar 14, 2006 11:17 pm    Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I have seperate bags like cliff mentioned. The way I built my bag was a 7" diameter circle (for the bottom) then a 14" tube is attached to that. The way I roll my sail is kind of complicated to explain. I decided to take some pictures of the process and will post them here in a few.</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
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Fool

Posted: Tue Mar 14, 2006 11:45 pm Post subject: Here's how I pack it.

QUOTE



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH



Step 1: Grab and separate from the center points. You'll need to pull the bottom of the center out through one of the openings. So it looks like this. You'll also need to pull it tight for the next step.



Step 2: Fold the centers together. Make sure you keep the 2 halves separated.



Step 3: Gather the points into a bunch.



Step 4: Here you can add a rubber band or bungee to help keep the points from getting overly tangled.

I usually don't worry about it because it untangles in about 5 minutes anyhow. Just depends how "A. Retentive" you are.



Step 5: Have your "packing partner" pull the sail tight. No matter how you pack this thing you'll most likely get wrinkles.

It only needs about 15 minutes of sitting out and the wrinkles will disappear. Start rolling all the ends towards the center.

The tighter you get it the easier it is to pack into the bag. 😊



Step 6: Continue to roll it till you get to a nice roll. If the bridle is left hanging you can wrap that around to help hold it together.



Step 7: stuff it into it's bag. I put the hub at the bottom so I don't lose it.

When you go to unpack and fly seperate the centers undo your rubberband/bungie. Grab one point and another point a few points over and lift that over your head. This will find your center section of the two halves. Insert the center spar with hub and work your way around inserting the spars.

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
Posts: 714  
Location: USA California  
Tracy - 50 miles to the right  
of San Francisco

Posted: Wed Mar 15, 2006 12:19 am Post subject:

[QUOTE](#)

Wow Chris - Thanks for taking the time for the photos. The sail might get wrinkled, but I'm so simple that a few photos really explain a lot. 😊

Cliff - Next time yours are out, would you mind posting some "pack it up" photos also? I'm having a hard time visualizing what you describe. 😊

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<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Wed Mar 15, 2006 12:41 am Post subject: <span style="float: right;">QUOTE</span></p> <p>Man, Chris' packed kite is about ten times smaller than mine 😞 Chris, can I get lessons at Airwaves 😊 😊</p>
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<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p>Posted: Wed Mar 15, 2006 1:32 am Post subject: <span style="float: right;">QUOTE</span></p> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Grant L wrote:</b></p> <p>Man, Chris' packed kite is about ten times smaller than mine 😞 Chris, can I get lessons at Airwaves 😊 😊</p> </div> <p>Sure thing. I didn't show the spar packing. It's basically just a 6'4" bag similar to that of a sport kite with a velcro close end. I leave the ferrule taped to the center spar so all I have to do is slide the up to the stopper fit over the other o-ring. and assemble.</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
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<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Wed Mar 15, 2006 12:01 pm Post subject: <span style="float: right;">QUOTE</span></p> <p>Ok on the photos Dennis.</p> <p>CLIFF</p>
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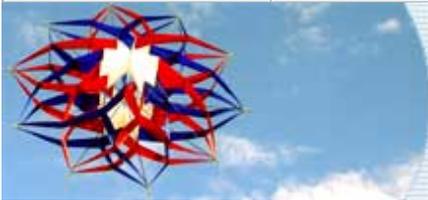
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 2006 Kite of the year: Kelvin Wood's 'Man in Black'

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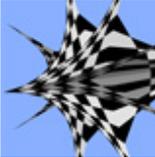


Photo Album

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Author	Message
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003            Posts: 114            Location: Ankara, Turkey</p>	<p>Posted: Mon May 15, 2006 10:57 am Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>On saturday (3th of May), we climb mountain Nemrut where is a very famous historical place. The wind was gusty - between 3-18km/h. First I take out my delta variant Hekseebeeset after 5-6 minutes the wind down to 0. I began to prepare my DS. First try was a fail. But I was lucky that a wind came around 10-17kmph and never stop. I flight my DS for 15 minutes at 2200meters high from sea level.</p> <p><b>Here is a photo from my friends camera.</b></p>



**and a panaromic view (a little bit wide)**

<http://www.ucurtma.org/images/doublestarpanorama.jpg>

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Best Winds,  
Ferruh Baysu

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Mon May 15, 2006 11:07 am Post subject:

QUOTE

NICE photo!!!!!!

It looks like FUN!!!!

---

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA - USA

Posted: Mon May 15, 2006 11:18 am Post subject:

QUOTE

Hello Ferruh, Thank you for sharing your photo's. For some reason I like your Double Star very much. The Panorama Picture is quite impressive. Gld you are still flying kites ,havent heard from you for some time. Dont be a stranger.

CLIFF

PS Had to come back and add this note Ferruh, The Double Star activity on this forum has had over 18 thousand 8 hundred views . By far the most viewed topic all because of your plans and Smarties recognizing a truly amazing kite. Thanks for making it happen.

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Mon May 15, 2006 11:53 am Post subject:

QUOTE  
EDIT

**CJQ wrote:**

...all because of your plans and Smarties recognizing a truly amazing kite. Thanks for making it happen.

Thanks Cliff for the comment. I haven't built one yet but it is in the queue.

Hi Ferruh, thanks for the picture and little story. Now that site is even more historical with you DS flying over. 😊

Smarties 😊

<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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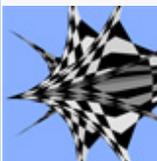
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**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

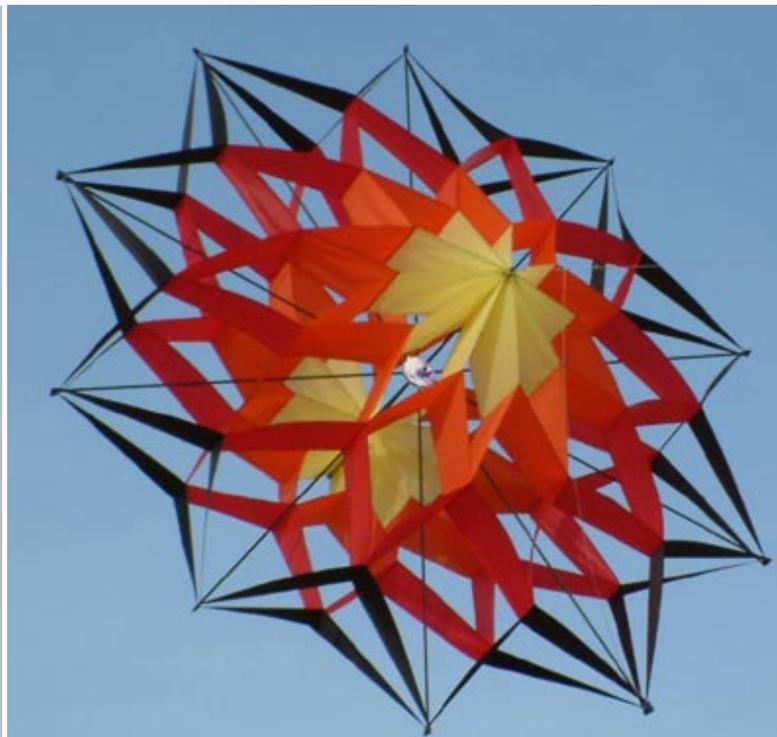
Posted: Mon May 15, 2006 3:28 pm Post subject: Re: Double star plan

QUOTE

Smarties,  
everything begin with your question. Thanks for your question. Otherwise I could not do this plan.

**smarties wrote:**

Anyone knows where I can find a plan to built a double star kite like Ferruh Baysu?



Thanks,  
Smarties 😊

Cliff, I will always fly and make kites. But, last year I did not have too much time for kites after changing my job.

Best Winds,  
Ferruh Baysu

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

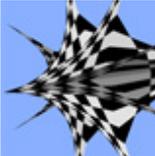
Posted: Mon May 15, 2006 4:41 pm Post subject:

[QUOTE](#)

FERRUH, it's good to know you still have kites as a passion in your future. Now we have another challenge for you. Many are not as creative as you but have the ability to, build kites that others have created, such as the double star. If you develop a design and wish to share it with us we all would be appreciative.

Regards

CLIFF

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<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Mon May 15, 2006 8:13 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p><b>CJQ wrote:</b></p> <p>FERRUH, it's good to know you still have kites as a passion in your future. Now we have another challenge for you. Many are not as creative as you but have the ability to, build kites that others have created, such as the double star. If you develop a design and wish to share it with us we all would be appreciative.</p> <p>Regards CLIFF</p> <p>Sure, we would even give you free admission into the club!! 😊</p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Tue May 16, 2006 12:41 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Hi Ferruh, would you like to add my mini double star to your site in the plans section? It basically derived from the full sized plans with a bit of construction changes and panel modification. Also the frame is an exterior hoop instead of the internal hub and spars.</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">AIM</a></p>
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003 Posts: 114 Location: Ankara, Turkey</p>	<p><input type="checkbox"/> Posted: Tue May 16, 2006 2:40 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Of course Ic an add, please send me information and some pictures.</p> <hr/> <p>Best Winds, Ferruh Baysu</p>
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**Fool**



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH

Posted: Tue May 16, 2006 11:59 pm Post subject:

[QUOTE](#)

**spectre wrote:**

Of course Ic an add, please send me information and some pictures.

I think most of it is here.

<http://www.kitebuilder.com/forums/viewtopic.php?t=2756> 😊

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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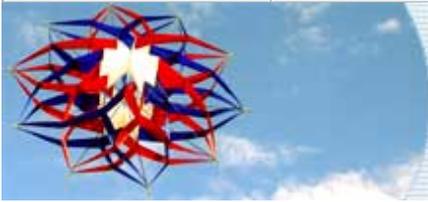
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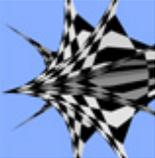
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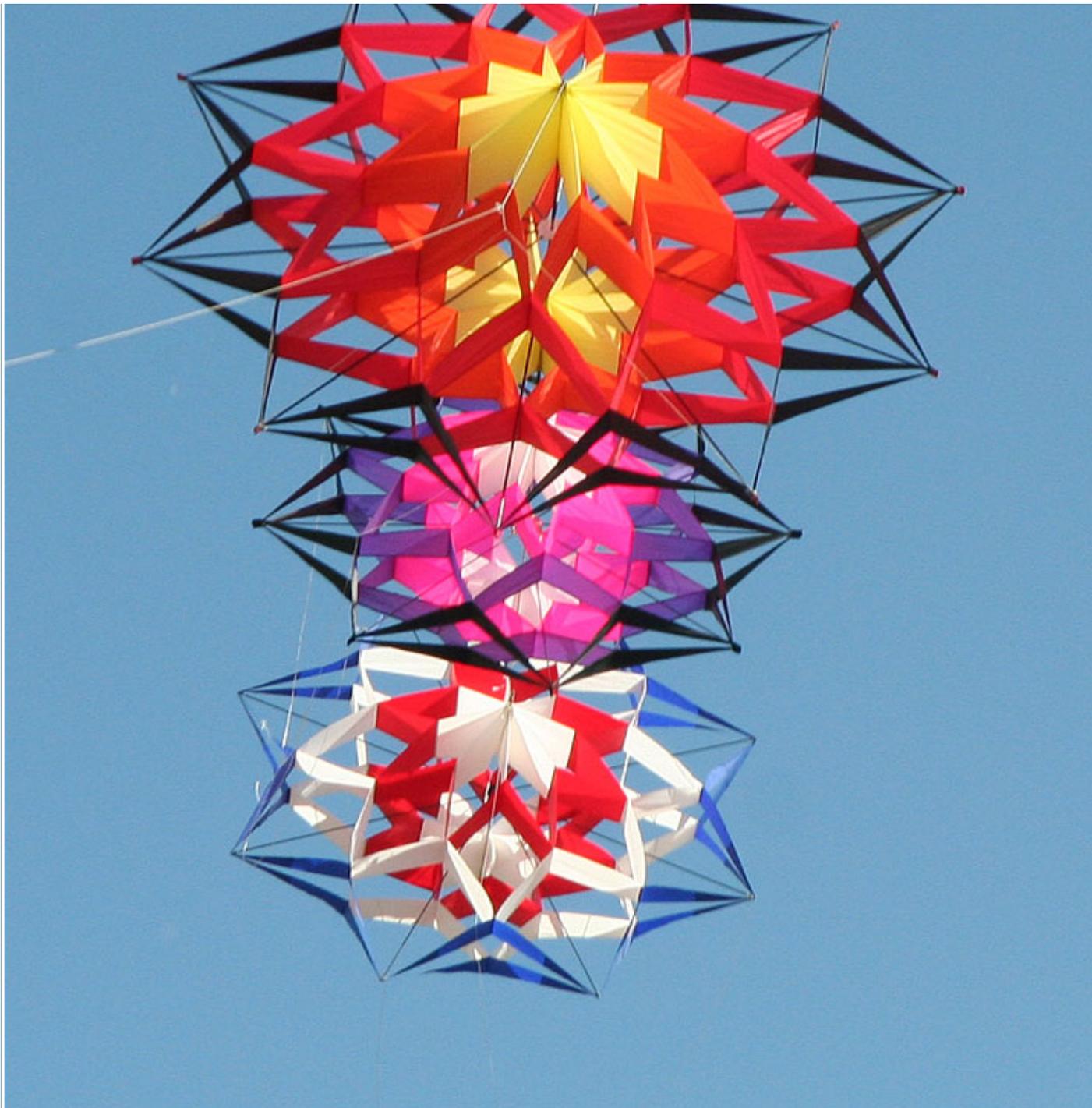


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Author	Message
<p><b>spectre</b></p>  <p>Joined: 11 Nov 2003            Posts: 114            Location: Ankara, Turkey</p>	<p>Posted: Mon May 29, 2006 7:50 am Post subject:</p> <hr/> <p>Triple DS. One 3meter 10 point on the front and two 2 meter 8 point on the back.</p> <p style="text-align: right;"><a href="#">QUOTE</a></p>





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Best Winds,  
Ferruh Baysu

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<b>KiteSquid</b> Master Kite Builder ★★★★	<input type="checkbox"/> Posted: Tue May 30, 2006 7:42 am Post subject: <a href="#">QUOTE</a>
	<p>THAT is IMPRESSIVE!!!!!!!!!!</p> <p>NICE!!!!!!!!!!</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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<b>smarties</b>	<input type="checkbox"/> Posted: Tue May 30, 2006 8:11 am Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a>
	<p>Impressive indeed! 🙄🙄🙄🙄</p> <p>It must pull hard on the line??</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 🙄🙄</p>
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**Doug LaRock**  
Master Kite Builder



Joined: 12 Jan 2004  
Posts: 389  
Location: Yakima,  
Washington

Posted: Tue May 30, 2006 12:51 pm Post subject:

[QUOTE](#)

WOW it looks great

Doug

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**CJQ**  
Grand Champion,  
Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
Posts: 1702  
Location: Coopersburg, PA -  
USA

Posted: Tue May 30, 2006 3:14 pm Post subject:

[QUOTE](#)

Hi Ferruh, YES indeed the picture is very impressive. It is a dangerous thing to show me those DS/3DS images. I have too many things on my plate right now and this makes me crazy. I have downloaded the pic's. and will put them on my hot sheet to consider.

Regards

CLIFF

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**Quad Nut**



Joined: 24 Oct 2005  
Posts: 1837  
Location: Key West, Florida

Posted: Tue May 30, 2006 8:20 pm Post subject:

[QUOTE](#)

😍 SWEET 😍

"Triple stack of double stars" 🤔



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**kitefreak**



Joined: 29 May 2006  
Posts: 56  
Location: holland

Posted: Mon Jun 05, 2006 6:33 pm Post subject: triple triple flower

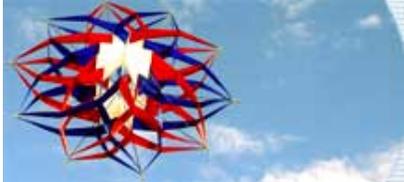
[QUOTE](#)

Hereare some pictures of a flower a friend of me built.

Kitefreak.



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<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Mon Jun 05, 2006 6:49 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <p>Quick, hide it! DO NOT let Cliff see this, or he will have a 150% version made next month!! 😊</p> <p>Lots of work involved in that! Looks great. 🤔</p> <hr/>  <p>Dave Ellis Kites + Kids = Education</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>smarties</b></p>  <p>Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Mon Jun 05, 2006 6:52 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a> <a href="#">EDIT</a></span></p> <p>Wow 😲😏 I've seen picture of this somewhere but it is still amazing to see. Lots of work in there.</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a>   <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Mon Jun 05, 2006 9:44 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <p>KiteGuy, I read some where that the builder of this kite was 25 yrs' old when he started , when he finished he just collecting Social Security. I'm already collecting ,, so I'm safe, I dont have enough time . Just kidding, yes, I've seen this kite before and marvled at it's enormity. Truly an amazing peice. It was not a simple undertaking. I have 150 hours in the 12 point 5 meter star Spectre did with his CAD program this one has 16 points,I cant imaging how many hours this one would take. Besides, Every time my D.S. crashes its another 25 buck demo. This one would put me in the poor house.</p> <p>CLIFF</p>
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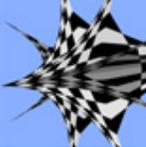
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Author	Message
--------	---------

**spectre**



Joined: 11 Nov 2003  
Posts: 114  
Location: Ankara, Turkey

Posted: Tue Jun 06, 2006 5:17 am    Post subject: [QUOTE](#)

My friend Henk Boelens from Holland has one of them. We flight this kite in Frejus 2002. His kite has three parts red, green and purple. In Frejus we build and flight only two parts. It is a very big hard pulling kite.







Best Winds,  
Ferruh Baysu

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Tue Jun 06, 2006 7:42 am Post subject:

[QUOTE](#)

**CJQ wrote:**

Besides, Every time my D.S. crashes its another 25 buck demo. This one would put me in the poor house.

Just spar it in Stainless Steel Rods and you would never break one, the kite would probally never get airborne, in less than a catagory 5 huricane force winds..... but you would stop paying for Steve's next vacation..... 😊

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**kitefreak**



Joined: 29 May 2006  
Posts: 56  
Location: holland

Posted: Tue Jun 06, 2006 12:08 pm Post subject:

[QUOTE](#)

you are correct the kite is from henk Boelens. he is also a friend of my. Every time we see hank take the big orange back we run, because it is a big job to set this kite up.

Kitefreak.

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**MNKiter**



Joined: 19 Nov 2005  
Posts: 136  
Location: Bloomington, Minnesota

Posted: Tue Jun 06, 2006 8:41 pm Post subject: COOOOOOOOOL!

[QUOTE](#)

**spectre wrote:**

Triple DS. One 3meter 10 point on the front and two 2 meter 8 point on the back.

Cooooooool!

Having Fun Flying kites....now I want to BUILD!

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**Fool**



Joined: 22 Oct 2004  
Posts: 847  
Location: Dayton, OH

Posted: Wed Jun 07, 2006 2:14 pm Post subject:

[QUOTE](#)

**CJQ wrote:**

Besides, Every time my D.S. crashes its another 25 buck demo. This one would put me in the poor house.

CLIFF

At that rate I'd consider rebuilding it with a different frame. What about a perimeter spar creating a hoop?

Chris Taylor  
Dayton, OH  
lowerdfool(at)yahoo(dot)com

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**rbojarski**

Master Kite Builder



Joined: 30 Sep 2003  
Posts: 440  
Location: Auburn, Washington

Posted: Sun Jul 23, 2006 7:55 pm Post subject:

[QUOTE](#)

I finally got my double star airborns. Not bad, only about 1 1/2 years after I got the kite completed.

Here's a couple of pictures from it's first

flight....





The flight was mostly a success. I still have to adjust some of the tension lines a little, and play around a little with the bridle lines. I was so happy to finally get the kite airborne, that I decided to just let the kite fly. Winds were pretty marginal, only about 6.5 to 7.5 mph. The kite flew fairly well and stable as long as the winds were over 7 mph.

Ray Bojarski

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**smarties**



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Posted: Sun Jul 23, 2006 9:14 pm    Post subject:

[QUOTE](#)  
[EDIT](#)

I like your choice of color. It's different from what I've seen so far. 😊😊 Pressure is going up for me to build one.



Smarties 😊  
<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😊😊

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**Grant L**  
Kite of the Year 2004



Joined: 16 Sep 2003  
Posts: 1507  
Location: USA IN  
Indianapolis

Posted: Sun Jul 23, 2006 10:02 pm Post subject:

[QUOTE](#)

Looks Nice Ray 😊👍🙄 I agree, Nice Colors, ( I really like the white centers 😊 )

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King  
George

Posted: Mon Jul 24, 2006 9:42 am Post subject:

[QUOTE](#)

Quite nice and I too like the color combination!!!!

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
Posts: 714  
Location: USA California  
Tracy - 50 miles to the right  
of San Francisco

Posted: Tue Jul 25, 2006 2:05 am Post subject:

[QUOTE](#)

I thought mine was almost done until I finally strung it up on the frame. It was FUBAR! 😞  
Only the inner 2 panel rings are usable, I'll need to cut entirely new panels for the outer 2 rings. But I did discover that I can make a smaller 2-ring DS from the unusable pieces (after re-shaping and re-sewing them), and it will fit onto the frame INSIDE the original DS. So I'm making a double-double Star. Now I just need to figure out how to keep the inner star tensioned outwardly, along the spars.  
I'm glad I can use the pieces, but really p!ssed that I screwed it up in the first place! 😊🙄😡

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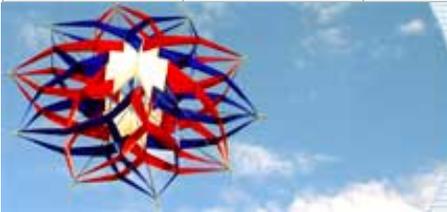
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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  </p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Tue Jul 25, 2006 8:12 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Dorsal, It takes a man to admit his error's. Sorry it happened . I know how you feel. "Been There" , Can we help ??</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>KiteSquid</b> Master Kite Builder </p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p><input type="checkbox"/> Posted: Tue Jul 25, 2006 9:56 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Dorsal,</p> <p>We're here for you....</p> <p>Can you figure out how it went wrong?</p> <p>What did you leran??</p> <p>I hate to ask this but..... how can the fourm learn from your error?????????</p> <hr/> <p>VR/ KiteSquid AKA TakoIka AKA Harold King George VA</p> <p>P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p>

P.P.P.P.S. Please excuse my spelling.....

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
 Posts: 714  
 Location: USA California  
 Tracy - 50 miles to the right  
 of San Francisco

Posted: Wed Jul 26, 2006 12:32 am Post subject:

[QUOTE](#)

**What went wrong?** I really don't know. I drew the completed assembly as a solid model using I-Deas (software we use at work.) Then (I thought) I created views of each of the respective panels by orienting the view so I was "looking" straight in at the panel. I then used that view (which should have been a true view of the flat pattern of material) to create my cutting template. What I got instead was a flat view projection from an angled view of the panel. (Like closing one eye, looking at a 60-foot bus from up near the headlights, and thinking the bus was only 3 feet long and kinda tapered from front to back.)

What jerks me the most is that I have done exactly this same method many times at work, and never had a problem. I can't imagine what I did wrong, but the end result was very FUBAR. After I finally saw the problem, I went into my drawing model and could immediately see what had happened. Why didn't I see it before I cut and sewed 144 pieces? Who knows?!

**What can the rest of the Forum learn from my mistake?**

That no matter how wrong everything goes, a crummy day sewing a kite beats the tar out of the best day at work! And that anything can be fixed if you use your imagination (instead of shoving it into the fireplace like I was sorely tempted.) 😞😞

"The wind is the perfect reminder of God.  
 The only way we can prove it exists is by observing the things it affects.  
 That's why I believe in the wind, too."  
 Dennis  
 Baha'i Faith

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**CJQ**  
Grand Champion, Kitebuilder  
of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA -  
 USA

Posted: Wed Jul 26, 2006 8:14 am Post subject:

[QUOTE](#)

Hi Dorsal, yup, crap happens and you sometimes wonder "WHY ME". When you lay all your panels end to end a, b, c, ect. do the leading edges form a zig zag line?? When I built my first star and layed out the panels to see how they would look I was shocked to see they didn't form a straight line. The tip of the outer most panel will be close to tangent to the centerline of panel A. When tension is applied all the panels will recieve equal tension and will not deform and get wrinkles. Keep us informed

CLIFF

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**Dorsal**  
Kite Builder II



Joined: 05 Oct 2003  
 Posts: 714  
 Location: USA California  
 Tracy - 50 miles to the right  
 of San Francisco

Posted: Thu Jul 27, 2006 12:15 am Post subject:

[QUOTE](#)

Yes Cliff, the panels zigzagged like they were supposed to, and the end of each panel was the same width as the beginning of the next panel - They were just too short! I guess if I'd been willing to settle for a 1.8 meter DS instead of the 3.0 meter one I thought I was making, It would not have mattered, but after all that cutting and sewing, I'm not going to take anything less than what I want!

Yeah, I'm stubborn. 😞

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Why@urp



Joined: 13 Jun 2005  
Posts: 571  
Location: San Francisco, CA

Posted: Wed Aug 02, 2006 2:49 pm Post subject:

QUOTE

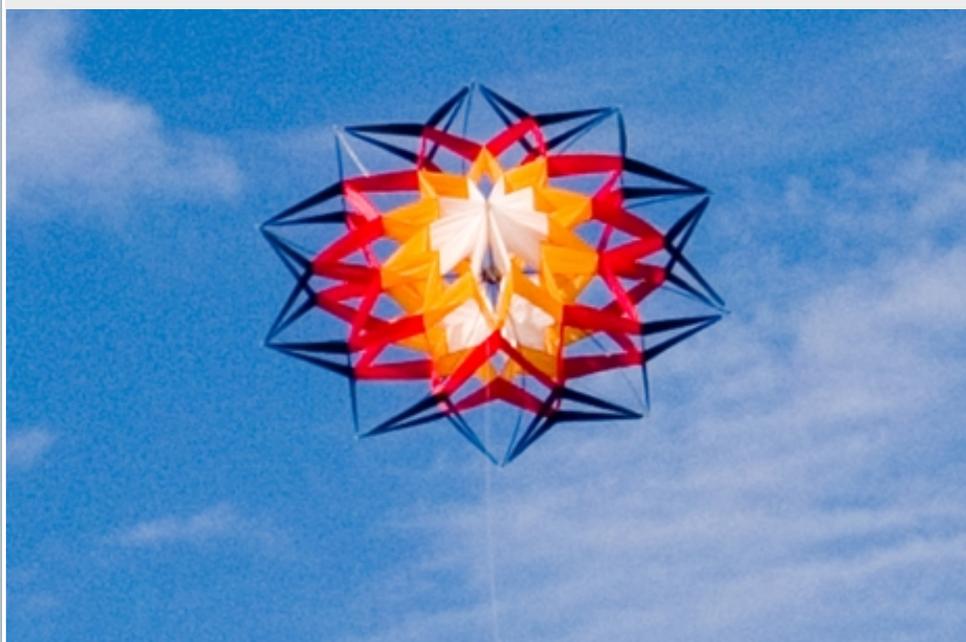
I know i am really late to the game here...

but just wanted to let you all know how inspiring all the posts on this thread are. I actually read all 61 pages (it grew to 62 in the meanwhile....) and decided to give it a shot.

I had been wanting to do one for a while, but like a lot of people was kinda dreading all those edges.

I decided to edgebind. My back is still killing me from sitting at the sewing machine all those hours. But now that i have flown it, all that kinda fades away!





quick specs:

to save \$\$, I fabricated the center hub myself out of 2-part epoxy putty

i used p400s ferruled with long (8") solid Graphite and thread wrapped at the joints and plugged with 5" solid Graphite where they enter the hub

i used Steve's MKS fittings at the points

haven't weighted it yet

I know anything I could say in praise of what a great design this kite is has already been said, so i'll just say thanks again and encourage anyone who is on the fence about making one to JUST DO IT!



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**kiteguy**

Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
 Posts: 3196  
 Location: USA - Kansas,  
 Overland Park - Near Kansas  
 City

Posted: Wed Aug 02, 2006 3:12 pm Post subject:

[QUOTE](#)

A year ago I got one of the 4.5 ft Lotus kites for a birthday present. (Small double star)

Last weekend I saw that Harbour Freight had some the same kite for sale at \$6.xx. I thought that at that price I could get two or three and put them together for a huge box kite, like I saw in a picture someplace.

I thought "Kite....Harbour Freight....how good could they be? Well, I went and bought one. I got home, pulled it out of the package, and put it together, sort of. I found that it was a bit overpriced at \$6.xx! The sewing was shoddy, the parts did not fit, and it was made from hot cut (I think) Nylon material. Not **Ripstop**, and not very crispy. Rods were fiberglass tubes, small diameter. Save your money, and do not buy one of these things. 😞



Dave Ellis  
 Kites + Kids = Education

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**Grant L**

Kite of the Year 2004



Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN  
 Indianapolis

Posted: Wed Aug 02, 2006 4:15 pm Post subject:

[QUOTE](#)

Looks Great Why@urp. I like the colors. Quite an accomplishment and a kite to be proud of 😊

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**CJQ**

Grand Champion, Kitebuilder of the Year 2006



Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA -  
 USA

Posted: Wed Aug 02, 2006 4:55 pm Post subject:

[QUOTE](#)

Why@ , welcome to the Double Star Club. Good looker. We all know how you feel about your accomplishment. Isn't it strange how all the pain and stress that was part of the project disappears when the D.S. flies for the first time. It's amazing. Glad your happy. Job well done. Oh, very creative center hub by the way. Good use of sparing also.

CLIFF

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Why@urp



Joined: 13 Jun 2005  
Posts: 571  
Location: San Francisco, CA

Posted: Thu Aug 03, 2006 12:01 pm Post subject:

QUOTE

hey thanks a lot grant & cliff.

cliff: it IS funny how it all fades away. still, it amazes me that after your first one, you turned around and made your MASTERPIECE knowing how much work you were in for...



here's a question: has anyone experimented with moving the tow point up and down the bridle? I had a chance to fly the DS in pretty steady wind for a few hours yesterday. the wind speed changed over time but everything else was pretty constant. so I tried some experimentation

it might just be my imagination, but it seems like moving the tow point higher (i tried as much as 3" towards the upper [Bridle Line](#)) makes the kite sit more upright, and puts less stress on it in high wind, at the price of less lift and a lower flight angle. moving it lower gives it more lift in light wind.

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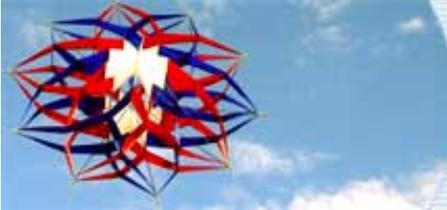
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Author	Message
<p><b>CJQ</b>                      Grand Champion, Kitebuilder of the Year 2006                          Joined: 27 Dec 2003                      Posts: 1702                      Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Thu Aug 03, 2006 1:36 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Bingo Why@ , thats exactly right. The more up-right the more wind it will dump and lift gets reduced. I would assume that the bridle lines are attached at the center point and two lower spar tips( 5 oclock and 7 oclock)                      Shortining the center bridle puts the Star more up-right and reverse, lengthening does the oposite. When the wind picks up the Star pulls like crazy. You understand and have made the correct changes. Good going.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a></p>
<p><b>Quad Nut</b>                        Joined: 24 Oct 2005                      Posts: 1837                      Location: Key West, Florida</p>	<p><input type="checkbox"/> Posted: Thu Aug 03, 2006 2:09 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Why@urp wrote:</b>                      . . . . moving the tow point higher makes the kite sit more upright, and puts less stress on it in high wind, at the price of less lift and a lower flight angle. moving it lower gives it more lift in light wind.</p> </div> <p>Changing the Angle of Attack will produce those results for all kites.</p> <p>The wind travels parallel to the ground(usually), when it moves across the panels of the kite, it is turned. The panels that turn it down towards the ground, create lift. Panels turning it to the side create stability. Some panels do both, some do neither.</p> <p>The higher the wind speed the lower the turning angle has to be to overcome the weight of the kite.</p> <p></p> <p></p>
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<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p>Posted: Fri Aug 04, 2006 12:11 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Great looking DS why@. Your spars look very flexible in those pictures though. How was your tension when putting it together. I've found that if my DS is kept in a hot car it'll be super tight to put together. If it's fresh out of the closet it's really easy to go together. Anyone else notice stuff like this?</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">AIM</a></p>
<p><b>Quad Nut</b></p>  <p>Joined: 24 Oct 2005 Posts: 1837 Location: Key West, Florida</p>	<p>Posted: Fri Aug 04, 2006 12:27 am Post subject: <a href="#">QUOTE</a></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Fool wrote:</b></p> <p>I've found that if my DS is kept in a hot car it'll be super tight to put together. If it's fresh out of the closet it's really easy to go together. Anyone else notice stuff like this?</p> </div> <p>☹ If it's built out of RSN, that would be normal, due to moisture. Poly doesn't retain moisture but, like all fabrics, it does shrink and expand with temperature. Also, spars will expand or contract length-wise due to temperature.</p> <p>The combination of the 2 will cause the <i>tightness</i> you're talking about.</p> <p>☹</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>Posted: Fri Aug 04, 2006 8:59 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Hi Fool, good observation. On my small DS the spars had a slight bend . I initially used 10 mm spars and those spars ocasionaly would bend if the sail was dry . When I put the kite on a diet and replaced the 10 mm's with 8 mm's these would bend more. I didn't think bending was bad. The important thing is that each spar has an equal amount . On my large Star with 12 mm spars I normaly keep them straight.</p> <p>CLIFF</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>KiteSquid</b> Master Kite Builder</p>  <p>Joined: 29 Aug 2003 Posts: 6248 Location: USA Virginia King George</p>	<p>Posted: Fri Aug 04, 2006 9:30 am Post subject: <a href="#">QUOTE</a></p> <hr/>

some interesting observations on what I would call a large kite.

Moisture effects sail size of RSN

Heat effects the size of all materials in diffret amounts

Length and Stifness of spars effect sail shape

And we as kite builders have to take all of that into account when selecting the componet parts for our creations.....

So what I have read between the lines is that we are Mechanical Engineers as well as Artists because our kites have to fly, as well as being pleasing to the senses.

Food for thought.

---

VR/  
 KiteSquid  
 AKA TakoIka  
 AKA Harold  
 King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Why@urp**



Joined: 13 Jun 2005  
 Posts: 571  
 Location: San Francisco, CA

Posted: Fri Aug 04, 2006 4:34 pm    Post subject: [QUOTE](#)

funny you should mention this topic, fool...

i have cut the spars down a 1/2 at a time as i refined the endcap solution (final: mks fittings) and i have been wondering which of the following is correct:

- 1- the flexed spars (besides looking pretty cool, i think) give the DS more "bounce/flex" on rough landings, thus adding durability
- 2- straight spars would be stronger on rough landings, thus adding durability.

i don't really know which of these is true, since i haven't cut them enough to be straight, mostly because of the tension issue you mentioned. i'm afraid if i cut them too much, when the RSN stretches over time, the DS will become too loose.

so far only a very rough landing in the beginning has broken a spar. and super high winds before i thread-wrapped the joints broke one also. (sidenote: that break was actually kind of cool-looking because it allowed the line to slip off one end of the horizontal spar and the whole thing collapsed like a flower in mid-air. sad but neat looking anyway)

since i used p400s, which are wrapped tubes, instead of pultruded, i feel like i've been able to get away with a lighter, smaller diameter frame, although a couple of times in high winds i have chickened out and taken it down when it starts flexing or deforming. So far about 18 mph has been the limit of my courage...

ps: it launches at about 6-7 mph with steady wind.

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Fri Aug 04, 2006 5:02 pm Post subject:

QUOTE

It sounds like you have ben haveing a lot of fun flying your double star.  
I to have issues in cutting spars to short.  
I keep looking for a spar stretcher, but I cant find one.... 😊

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**DFWFlyer**



Joined: 16 Jul 2006  
Posts: 256  
Location: DFW, TX

Posted: Fri Aug 04, 2006 5:24 pm Post subject:

QUOTE

**KiteSquid wrote:**

I keep looking for a spar stretcher, but I cant find one.... 😊

Carefully cut the spar in half at the midpoint, spread them apart until they are the correct length, then glue them back together again with B.S. glue. 😊

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**Why@urp**



Joined: 13 Jun 2005  
Posts: 571  
Location: San Francisco, CA

Posted: Fri Aug 04, 2006 5:26 pm Post subject:

QUOTE

LOL !!

and on the other side... i have become really great at finding uses for all the shorties of trimmed skyshark spars.

pretty soon everythin in my house will be made from pieced-together Carbon fiber tubes!

and yes, it is a lot of fun to fly. and using the storage method so helpfully posted here, it actually is pretty quick and easy to set up and take down.

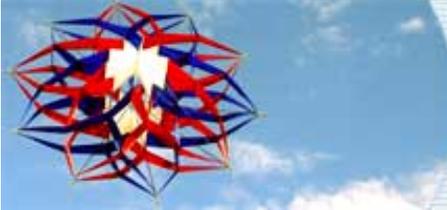
and it has even surpassed my giant red ghost delta as far as people coming up and saying oooh aaahhhh. probably one of the best comments i consistently get is: "it's so beautiful, it looks like it shouldn't even fly". that is a pretty interesting feature of the DS: with what appears to be so little sail area enclosing all that empty space, it is such a hard-pulling kite.

and i still like the way that, when i have all the radial spars in place and stretch out the 2nd horizontal spar, the radials all snap into their curves and it kinda springs into shape.

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006  ★★★★★ </p> <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p><input type="checkbox"/> Posted: Fri Aug 04, 2006 5:28 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi DFW, I thought I knew a lot about glues But the B.S. stuff I havent tried.</p> <p>CLIFF</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Why@urp</b> </p> <p>Joined: 13 Jun 2005 Posts: 571 Location: San Francisco, CA</p>	<p><input type="checkbox"/> Posted: Fri Aug 04, 2006 5:31 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>i do what DFW described with CA Glue. what is BS glue?</p> <p>ps: i do know you were just kidding, squid! 😊</p> <p>Last edited by Why@urp on Fri Aug 04, 2006 6:10 pm; edited 1 time in total</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>DFWFlyer</b> </p> <p>Joined: 16 Jul 2006 Posts: 256 Location: DFW, TX</p>	<p><input type="checkbox"/> Posted: Fri Aug 04, 2006 5:41 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>c'mon guys. Don't let this young punk slip a little humor by ya!</p>
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**Quad Nut**



Joined: 24 Oct 2005  
Posts: 1837  
Location: Key West, Florida

Posted: Fri Aug 04, 2006 6:23 pm Post subject: QUOTE

**Why@urp wrote:**  
... "it looks like it shouldn't even fly".

That's one of the best comments I enjoy hearing.

Along with, "how the heck does that fly?"

I like the designs that, to the non-builder, 'look' like they shouldn't fly.



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**kiteguy**  
Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas, Overland Park - Near Kansas City

Posted: Fri Aug 04, 2006 6:37 pm Post subject: QUOTE

**CJQ wrote:**  
Hi DFW, I thought I knew a lot about glues But the B.S. stuff I havent tried.  
CLIFF

Maybe not B.S. glue, but I bet you have used a lot of other B.S. elements in your kitebuilding/presentations. 😊

(Something a lot of kitebuilders use!!)



Dave Ellis  
Kites + Kids = Education

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**DFWFlyer**



Joined: 16 Jul 2006  
Posts: 256  
Location: DFW, TX

Posted: Fri Aug 04, 2006 6:44 pm Post subject: QUOTE

No doubt!

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**KiteSquid**  
Master Kite Builder



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King George

Posted: Fri Aug 04, 2006 9:22 pm Post subject: QUOTE

**Why@urp wrote:**

ps: i do know you were just kidding, squid! 😊

Yes!!!!

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

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**WayWord Son**

Posted: Sat Aug 05, 2006 10:35 am Post subject: about B.S. glue

[QUOTE](#)



Joined: 07 Jun 2005  
Posts: 470  
Location: bay area, california

**Why@urp wrote:**

i do what DFW described with CA Glue. what is BS glue?

B.S. glue was invented by scientists to hold unlikely or unprovable theoris together, 🙄 it has found much use by recreational fishermen, to hold unlikely mesurmets, and wieghts together. 🙄 the weakness of bs glue is it "won't stand the light of day" 🙄🙄

also, good quality b.s. glue is geting rather expensive, (as well as its precursers B.S. eliments) aperently politicians and news media personalities are buying up most of the supply 🙄🙄 causing shortages in the world wide B.S. market. 🙄

personaly i wont use B.S. Glue. true, at first it can have a very strong bond, but that is usualy only temperary, apou exposure the bs glue may break down, and you are left with a corrosive mess of toxic goo. 🙄

-----  
no b.s here 🙄

i saw why@'s double star in the air at the bearkly kite festavel, from the other end of the park, 🙄 it is a very impresive and beautifull kite in the air, 🙄 when me and my brother were headed to the car. i noticed why@ and a "newly created" kite enthusiast holding the double star on the ground, and had to go comment on how good a job he did, 🙄. it was a wonderfull suprise to find out he was a fellow member of this forum who I had priviously corrasponded with.

why@ I look forward to flying with you in the future.

🙄 **"...Those who Hope in the Lord, will soar apou wings like Eagles..."**



longing for some "groovy" 60's tie dye R/S 🙄? click the thumbnail

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<p><b>Why@urp</b></p>  <p>Joined: 13 Jun 2005 Posts: 571 Location: San Francisco, CA</p>	<p><input type="checkbox"/> Posted: Sat Aug 05, 2006 1:17 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>☹️ awww shucks! thanks a lot wayword. it was my first time meeting someone in person from these forums. what a cool thing! i look forward to seeing you around also.</p> <p>yeah, the DS definitely converted the guy who was helping me hold it down. he said he was leaving when he saw me launch it and decided to stay to see it. he was gung-ho and stayed for another couple hours. his wife was a little shy about kites at first. but when she told me she had never flown a kite before, i busted out my sure-fire secret weapon: i encouraged her to fly the red Bird I recently finished. within 15 minutes she was walking around the field on her own looking for "the best wind!"</p> <p>and now back to the thread: seeing the awesome tie-dyed fabric you did gave me a great idea for a kite that would be incredible, but probably get the World Record for most labor involved in any kite EVER: a 12-point double star made from tie-dyed fabric with the panels arranged so the whole kite looks like a tie-dyed pattern!</p> <p>☹️ Ouch! my brain just fractured thinking about the work that would involve from dyeing to sewing... but it sure would be incredible!</p> <p>thanks again for the compliments! I look forward to flying with you in the near future!</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>Why@urp</b></p>  <p>Joined: 13 Jun 2005 Posts: 571 Location: San Francisco, CA</p>	<p><input type="checkbox"/> Posted: Sat Aug 05, 2006 11:37 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>hey cliff,</p> <p>i forgot to ask you a couple questions in an earlier post: since you are the undisputed champion of the Doublestar, ☹️ I was wondering,</p> <ol style="list-style-type: none"> <li>1. is the 12-point DS you won the title with still the largest you have made? i can't remember any posts about any others, but i may have missed it... the 12-point is such a masterpiece, and with your drive and skills, i just know the thought of larger ones has at least crossed your mind, right?</li> <li>2. can you ballpark a comparison of total time spent on 10-point versus time on 12-point? doesn't even have to be actual hours. percentages would be fine. i know i'll never undertake that project, but i'm just curious.</li> </ol> <p>☹️</p>
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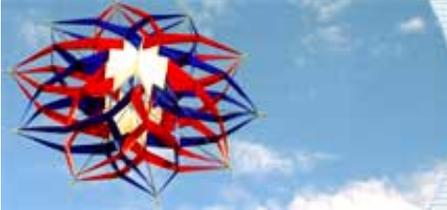


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2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>Why@urp</b></p>  <p>Joined: 13 Jun 2005 Posts: 571 Location: San Francisco, CA</p>	<p><input type="checkbox"/> Posted: Sat Aug 05, 2006 11:51 pm    Post subject:</p> <div style="text-align: right;"><a href="#">QUOTE</a></div> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>Quote:</b></p> <p>Changing the Angle of Attack will produce those results for all kites.</p> <p>The wind travels parallel to the ground(usually), when it moves across the panels of the kite, it is turned. The panels that turn it down towards the ground, create lift. Panels turning it to the side create stability. Some panels do both, some do neither.</p> <p>The higher the wind speed the lower the turning angle has to be to overcome the weight of the kite.</p> </div> <p>oh yeah, while i have DS on the brain (flew mine at Ocean Beach today and it has to have been the most perfect wind I personally have ever flown a kite in. the DS just absolutely PARKED above the beach and didn't even wobble for 2 hours. 😄)</p> <p>quad nut:</p> <p>i know what you are saying about angle of all kites. 😊 but this kite doesn't fly at the same "overall kite angle" as other kites if that makes any sense. where most kites fly like this: / the DS flies like this: \</p> <p>i realize that that KITE angle makes most of the individual PANELS sit like this: / but since there are soooo many angles involved i was really wondering how much angle change anyone had experimented with on a DS to accomodate varying wind speeds... 😊 (and what the results had been)</p> <p>just wanted to clarify that earlier question cause i didn't remember it having been mentioned in the thread that the kite as a whole lays back rather than forward, which observers often comment about... 😊</p>
<p><a href="#">Back to top</a></p>	<div style="border: 1px solid gray; padding: 2px; display: inline-block;"> <a href="#">PROFILE</a>  <a href="#">PM ME!</a> </div>

<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Sat Aug 05, 2006 11:55 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Time doesn't matter to Cliff.....he's retired!</p> <p>I'm another double star builder and flier. Some folks have asked me how long it took to make. By now, I can't even remember. I just know that if I made another 10 point double star, it would probably take about 20% longer. There are some things I did on mine that I would take more care doing the second time around. For example, I'd be a lot more precise cutting out the pieces and joining them together. I'd probably try to get someone to make templates for all the pieces from something more substantial than mat board. I'd also hot tack all the pieces together, maybe make the edge binding quad fold, rather than dual fold, etc.</p> <p>Mine came out pretty nicely and it flies well as long as the winds are 8+, I just have some more kite making skills 18 month later and could make it better the second time around.</p> <p>Ray Bojarski</p> <p>Last edited by rbojarski on Sat Aug 05, 2006 11:56 pm; edited 1 time in total</p>
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<p><b>rbojarski</b> Master Kite Builder ★★★★</p>  <p>Joined: 30 Sep 2003 Posts: 440 Location: Auburn, Washington</p>	<p>Posted: Sat Aug 05, 2006 11:55 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <p>Duplicate post deleted.</p> <p>Ray Bojarski</p>
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<p><b>Quad Nut</b></p>  <p>Joined: 24 Oct 2005 Posts: 1837 Location: Key West, Florida</p>	<p>Posted: Sun Aug 06, 2006 12:17 pm Post subject: <span style="float: right;">QUOTE</span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Why@urp wrote:</b></p> <p>i know what you are saying about angle of all kites. 😊 but this kite doesn't fly at the same "overall kite angle" as other kites if that makes any sense. where most kites fly like this: / the DS flies like this: \</p> <p>i realize that that KITE angle makes most of the individual PANELS sit like this: / but since there are soooo many angles involved i was really wondering how much angle change anyone had experimented with on a DS to accomodate varying wind speeds...</p> </div> <p>Yup yup, I hear ya. 😊 I should clarify. . . .</p> <p>Your looking at the overall kite, and not the areas that are creating the lift. The overall angle of the kite is not what you focus on when determining the AoA.</p> <p>In some cases the entire kite IS the lifting area.(Roks, Eddys, Genkis, etc. . .) But in the 'complex' kites (cellular, dimensional, etc. . .) it's the horizontal panels(when the overall kite is vertical. . .AoA=0deg) that are going to turn the most air downward, and create the most lift, when the AoA is increased.</p> <p>In this sence all lifting areas will be sitting like this: /</p> <p>In other words: Each kite type has a specific AoA that produces lift sufficient to overcome it's weight at each wind speed.</p> <p>Regardless of the AoA you start with on the ground, it will have the same AoA when it reaches equilibrium, relative to the wind speed. The difference will be in it's height above the ground.</p> <p>Assume you start with an ground AoA of 30 deg. As the kite increases in altitude, the AoA gets lower, to the point where the lift equals the weight of the kite(equilibrium). If the wind speed</p>
--	---

increases, the kite gains altitude, and visa versa.

$Force(lift) = Mass(air\ molecules) * (Wind)Speed$

In practical terms:  
 A lower wind speed requires a higher 'ground' AoA to acheive the same altitude, and visa versa.  
 Soooo. . .Set your ground AoA to acheive the desired altitude. 😊

😊

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**Popeye**

Joined: 01 Jan 2007  
 Posts: 25  
 Location: Brighton MI

Posted: Sat Mar 03, 2007 11:15 am Post subject: [QUOTE](#)

---

I finished my doublestar about four weeks ago. I kept track of my time and it took me 48 hours from beginning to end. Cliff gave me a lot of good advice along the way and mine turned out great. I haven't bridled it or flown it yet because it's too cold for me.

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**CJQ**  
 Grand Champion, Kitebuilder of the Year 2006




Joined: 27 Dec 2003  
 Posts: 1702  
 Location: Coopersburg, PA - USA

Posted: Sat Mar 03, 2007 12:39 pm Post subject: [QUOTE](#)

---

Hi Popeye, You dont have to fly it to show us pictures. How about setting it up in your living room and shooting some pic's.

CLIFF

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**Grant L**  
 Kite of the Year 2004




Joined: 16 Sep 2003  
 Posts: 1507  
 Location: USA IN Indianapolis

Posted: Sat Mar 03, 2007 1:38 pm Post subject: [QUOTE](#)

---

**PICTURES!!!.....PICTURES !!!.....PICTURES !!!.....** 😊 😊 😊  
 😊 😊

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**Popeye**

Joined: 01 Jan 2007  
 Posts: 25  
 Location: Brighton MI

Posted: Sun Mar 04, 2007 2:13 pm Post subject: [QUOTE](#)

---

Well you talked me into it. It's just a good thing I have tall ceilings.  
 I couldn't figure out how to get the picture in here so I put it in the Photo Album. I also posted my recent Crossdeck so you can see that one too..

Any tips on putting photos in the forum?

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**kiteguy**

Kitebuilder of the Year 2005



Joined: 15 Sep 2003

Posts: 3196

Location: USA - Kansas,  
Overland Park - Near Kansas  
City

Posted: Sun Mar 04, 2007 2:43 pm Post subject:

QUOTE

Kites and photos by Popeye





Dave Ellis  
Kites + Kids = Education

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**Why@urp**

Posted: Sun Mar 04, 2007 3:06 pm Post subject:

[QUOTE](#)



Joined: 13 Jun 2005  
Posts: 571  
Location: San Francisco, CA

Those are nice, unusual color choices on the DS ! 😊

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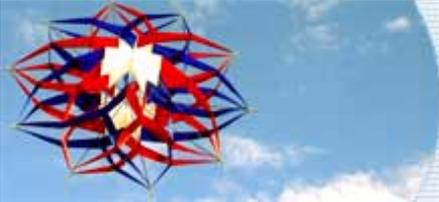
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# Kitebuilder.com's

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 2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>CJQ</b> Grand Champion, Kitebuilder of the Year 2006</p>  <p>Joined: 27 Dec 2003 Posts: 1702 Location: Coopersburg, PA - USA</p>	<p>☐ Posted: Sun Mar 04, 2007 3:07 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Hi Popeye, glad we twisted your arm a little. Fine looking kites. Neat thing is all the D.S. are different color combinations . Your crossdeck is nice. Good contrasting colors.</p> <p>CLIFF</p> <p>Hey isn't it great to have friends like KiteGuy to move pictures around.</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a> <a href="#">PM ME!</a>  <a href="#">E-MAIL</a> </p>
<p><b>Popeye</b></p> <p>Joined: 01 Jan 2007 Posts: 25 Location: Brighton MI</p>	<p>☐ Posted: Sun Mar 04, 2007 3:30 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Thanks, Kiteguy.</p>
<p>Back to top</p>	<p> <a href="#">PROFILE</a>  <a href="#">PM ME!</a> </p>
<p><b>Why@urp</b></p>  <p>Joined: 13 Jun 2005 Posts: 571 Location: San Francisco, CA</p>	<p>☐ Posted: Sun Mar 04, 2007 3:42 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Yep, that Kiteguy's a pretty cool dude! I recently received a gigantic tube tail with a Carbon leading edge circle spreader thingy from Kiteguy in the mail. It's made of Ripstop with a really cool herringbone kind of pattern that (he says) he got cheap at WalMart 😊 The sucker is HUGE, looks like about 15-20 feet long and a foot in diameter.... The tail also included my VERY FIRST feather!</p> <p>The nasty, ugly, rainy, cold, disgusting, misty, drab, oppressive weather here seems to have finally, FINALLY broken (at least for a little while) so I'm hoping to get a chance to fly it today... 😊😊😊</p> <p>If I do, I'll post a picture somewhere.</p> <p>THANKS AGAIN, KITEGUY!!!! The generosity and all-around upstandingness of forum members lives on!!!! 😊😊😊😊</p> <p>PS - Cliff, if the credits above your avatar get any longer, Steve's going to have to increase the</p>

bandwidth on his servers!! 😄😄😄😄

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**kiteguy**  
Kitebuilder of the Year 2005

Posted: Sun Mar 04, 2007 4:10 pm Post subject:

[QUOTE](#)



Joined: 15 Sep 2003  
Posts: 3196  
Location: USA - Kansas,  
Overland Park - Near  
Kansas City

**Popeye wrote:**

Thanks, Kiteguy.

No problem. For posting pictures, in 10 easy steps, go here:  
<http://www.kitebuilder.com/forums/viewtopic.php?t=826>

You already know how to do the first half of the instructions, so it should be an easy task.

You may have to improvise/search a bit, as the instructions were written for a previous version of the forum. So all buttons may not be exactly where I describe in the list. 😊



Dave Ellis  
Kites + Kids = Education

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**KiteSquid**  
Master Kite Builder

Posted: Sun Mar 04, 2007 11:25 pm Post subject:

[QUOTE](#)



Joined: 29 Aug 2003  
Posts: 6248  
Location: USA Virginia King  
George

VERY vivid color choices!!!

I like em!!!!

You have ben busy!!!!!!

So, what did you learn durring the process?????

VR/  
KiteSquid  
AKA Takolka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**smarties**

Posted: Mon Mar 05, 2007 12:11 pm Post subject:

[QUOTE](#)

[EDIT](#)



Joined: 05 Nov 2003  
Posts: 1791  
Location: Dieppe, NB,  
Canada

Nice choice of colors. I can't wait to see it in the sky. 😄😄😄

Smarties 😊

<http://www.yvonhache.com>

To boldly go where no imagination as gone before! 😄😄

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<p><b>Popeye</b></p> <p>Joined: 01 Jan 2007  Posts: 25  Location: Brighton MI</p>	<p>Posted: Mon Mar 05, 2007 8:41 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Squid, One thing I learned that works really well to make the hems go faster (and straighter) is to crease and fold them before sewing.</p> <p>What I did was took an old table knife (without teeth) and used it to form a crease. My cutting mat is too hard to get a crease so I used some poster board from the office supply to lay the fabric on. Using my straightedge I can line up the hem width and pressing down on the fabric with the knife I can run up and down a couple times and get a beginning of a crease. Once I got the hang of it I got the pressure just right. I got the 520 hems done in about 15 hours. It seems like a long time but this is probably the hardest part to get through.</p> <p>Using my thumbs from the center of the fabric I finish the crease in both directions. I can get the hem as small as 1/4" no problem and it comes out straight. This kind of wrecks the poster board after 520 hems but it's less time consuming than trying to get a straight crease any other way I tried.</p> <p>Because the poster board was too short for some of the panels I used clear box tape on the back side to join pieces.</p> <p>Other things I learned is that doubleside tape is the way to go to hold the panels before stitching. I never would have gotten them flat otherwise. Steve has some tape called C3 which was the best. There's 55yd on a roll and the DS takes almost a whole roll.</p> <p>Other thing I learned is that Cliff is the best. (no, seriously!) He IS the king. 😊</p> <p>Spectre's plans were as good as I've seen, and his detail was just what I needed to see.</p> <p>The last thing I learned is that I could not have done it without the Forum.</p>
<a href="#">Back to top</a>	<a href="#">PROFILE</a> <a href="#">PM ME!</a>
<p><b>KiteSquid</b>  Master Kite Builder  ★★★★</p>  <p>Joined: 29 Aug 2003  Posts: 6248  Location: USA Virginia King George</p>	<p>Posted: Tue Mar 06, 2007 11:34 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>I like your idea of using a blunt tool to start your creases. I need to try it myself!!!!!!! Thanks for sharing, as I too have now learned from your kite build. 😊😊</p> <p>I have what I call "litter on a stick" most of you have seen it. those corigated plastic signs advertising everything that nobody wants.... Well, when I am driving around I pick up as many as I see. some I take to the plastics recycling, but the new ones on the wire bases, I bring home and use for things..... I will try one inplace of the posterboard in Popeye's creasing methond to see if it works.</p> <p>And Popeye, thanks for sharing!!!!!!!!!!</p> <hr/> <p>VR/  KiteSquid  AKA Takolka  AKA Harold  King George VA</p> <p>P.S. Yet another post by the Squid..... 😊 Doesn't he ever shut up???</p> <p>P.P.S. The wind is like the air, only pushier.</p> <p>P.P.P.S. All information provided is for hobby use. None may be used commercially.</p> <p>P.P.P.P.S. Please excuse my spelling.....</p>
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**Pumpkin**



Joined: 30 Oct 2006  
 Posts: 764  
 Location: Birmingham UK

Posted: Tue Mar 06, 2007 12:24 pm Post subject:

[QUOTE](#)

I've heard of that creasing method being used on quilting...never tried on RSN..... Will have to.  
 Thanks Popeye

Best Regards  
 Pete  
 Where did you say the string goes?

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**kiteguy**

Kitebuilder of the Year 2005



Joined: 15 Sep 2003  
 Posts: 3196  
 Location: USA - Kansas,  
 Overland Park - Near  
 Kansas City

Posted: Tue Mar 06, 2007 2:10 pm Post subject:

[QUOTE](#)

They have a tiny iron at the quilting department at my fabric store. The ironing face is about 1 inch from tip to base.

Looks like a great tool for ironing seams, light weight, too. However, the people selling the tiny iron are quite proud of it, if pride is reflected by price. 😬

I will stick to some variation of the table knife method previously suggested by Popeye.

by the way, Why@, here is a picture of your new tube.



It is the photo I posted when I put the tube up for auction. Nobody bid on it, so that made it worthless. You, my friend, got a worthless item! 🚫 🇹🇲



Dave Ellis  
 Kites + Kids = Education

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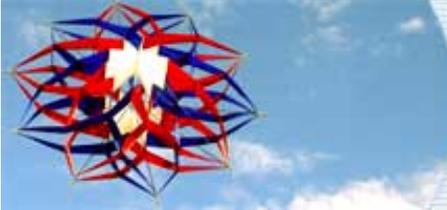
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Author	Message
<p><b>Popeye</b></p> <p>Joined: 01 Jan 2007 Posts: 25 Location: Brighton MI</p>	<p><input type="checkbox"/> Posted: Tue Mar 06, 2007 8:06 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>The creasing really helped me get straight flat hems. Someone on the forum from Norway suggested using a credit card, but that doesn't work for me, a metal edge is what I found works best. That little iron? I looked at too-yeah it's pretty pricey..</p> <p>Something else I just found but have not tried out is called foam sheet. I found it in the Kids craft section of the fabric store. It comes in several thicknesses and sizes up to 24" x 36" It's more expensive than poster board but might do the job. I bought a small piece of 3mm thick to try out. The poster board is cheap and disposable that works for me.</p> <p>What kind of signs do you mean Squid? Like the ones the window guys stick on people's lawns? Hey, I bet you could get lots of free posterboard after an election. Why, it would kinda be like recycling.</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a></p> <p><a href="#">PM ME!</a></p>
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Tue Mar 06, 2007 9:30 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>When I did mine, I took a fairly thick piece of music wire and ground a rounded point into it. I made sure that it was nice and smooth. I used it, a straight edge and my cutting mat to crease all of the hems. It greatly increased the speed of hemming all 280 edges 😁😁</p>
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**KiteSquid**

Master Kite Builder



Joined: 29 Aug 2003

Posts: 6248

Location: USA Virginia King George

Posted: Wed Mar 07, 2007 12:06 pm Post subject:

QUOTE

I will stick a Tapestry Needle into a handle to test this. Think of a blunt ice pick or awl.

Tapestry Needles are available at most craft and sewing stores.

They have blunt points and are available in many sizes.

I have some on hand and will probably use the one with the largest diameter.

Other tools that may work include the Hera Marker from Clover:



Clover's Hera Marker For Applique & Sewing:



An awl that has been blunted, like Clover's Ball Point Awl:



OR maybe the point of an old credit card..... or other piece of plastic that would noramly go to the landfil.

VR/  
KiteSquid  
AKA TakoIka  
AKA Harold  
King George VA

P.S. Yet another post by the Squid..... 🙄 Doesn't he ever shut up???

P.P.S. The wind is like the air, only pushier.

P.P.P.S. All information provided is for hobby use. None may be used commercially.

P.P.P.P.S. Please excuse my spelling.....

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**Pumpkin**



Joined: 30 Oct 2006  
Posts: 764  
Location: Birmingham UK

Posted: Wed Mar 07, 2007 1:00 pm Post subject:

[QUOTE](#)

It was the Hera marker that I'd seen on the quilting side.....  
Trying last night a dinner knife worked fine 😄😄😄  
Better resting on card or a newspaper tehn my cutting mat

Best Regards  
Pete  
Where did you say the string goes?

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**Popeye**

Joined: 01 Jan 2007  
Posts: 25  
Location: Brighton MI

Posted: Wed Mar 07, 2007 6:14 pm Post subject:

[QUOTE](#)

I bought one of those marker things with the round disk and it didn't do anything. Fortunately it was only \$4.

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<p><b>cbabbman</b></p>  <p>Joined: 10 Jul 2006 Posts: 30</p>	<p><input type="checkbox"/> Posted: Wed Mar 07, 2007 6:25 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>with the length of this thread and how far back it goes, what is the current parts list for this project?</p> <p>After reading through 10's of pages, you have all talked me into building one... it looks fascinating...</p> <p>Thanks!</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>Popeye</b></p> <p>Joined: 01 Jan 2007 Posts: 25 Location: Brighton MI</p>	<p><input type="checkbox"/> Posted: Wed Mar 07, 2007 9:39 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>Spectre's plans give a pretty good materials list for framing, etc. I just looked and I bought 4 yards for "A" panel color 5 yards for "B" panel color 3.5 yards for "C" panel color 3 yards for "D" panel color. I had some extra at the end but it's better than coming up short. If you go back (I think it's around page 48 ) Cliff gives some really great advice on doing the D panel tips with "d" rings. That's how I did mine and the look is really sharp.</p> <p>You know ever since you all got me to set it up in the living room, I kind of, um.. you know, left it up 😊</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>kiteguy</b> Kitebuilder of the Year 2005</p>  <p>Joined: 15 Sep 2003 Posts: 3196 Location: USA - Kansas, Overland Park - Near Kansas City</p>	<p><input type="checkbox"/> Posted: Thu Mar 08, 2007 1:08 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> <p><b>Popeye wrote:</b></p> <p>You know ever since you all got me to set it up in the living room, I kind of, um.. you know, left it up 😊</p> </div> <p>I heard that if it is up more than 4 hours you should contact your doctor!! 😊😎</p>  <p>Dave Ellis Kites + Kids = Education</p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a> <a href="#">WWW</a></p>
<p><b>Mike</b></p>  <p>Joined: 21 Jan 2004 Posts: 155 Location: USA, Illinois, Champaign</p>	<p><input type="checkbox"/> Posted: Thu Mar 08, 2007 10:01 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>lol, nothing like a good priapism joke!</p>

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<b>cbabbman</b>  Joined: 10 Jul 2006 Posts: 30	<input type="checkbox"/> Posted: Thu Mar 08, 2007 8:24 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span> <hr/> <p>ok, I've tried to read back through every page of this thread... it's a good one too... but I could only find some general information on Cliff's D Panels earlier in the thread than the 40's pages... am I missing something?</p> <p>Cliff, could you point me to the post or talk a little more about how you connect the d panels to the spars?</p> <p>Thanks...</p>
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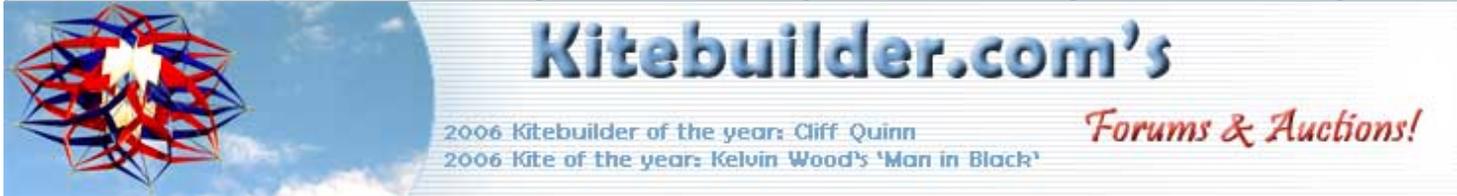
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Double star plan Goto page Previous 1, 2, 3 ... , 67, **68**, 69 Next

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Author	Message
<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Thu Mar 08, 2007 9:19 pm Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p><b>cbabbman wrote:</b></p> <p>ok, I've tried to read back through every page of this thread... it's a good one too... but I could only find some general information on Cliff's D Panels earlier in the thread than the 40's pages... am I missing something?</p> <p>Cliff, could you point me to the post or talk a little more about how you connect the d panels to the spars?</p> <p>Thanks...</p> </div> <p><a href="http://www.kitebuilder.com/forums/viewtopic.php?t=695&amp;postdays=0&amp;postorder=asc&amp;start=110">http://www.kitebuilder.com/forums/viewtopic.php?t=695&amp;postdays=0&amp;postorder=asc&amp;start=110</a></p> <p>and some more on page 14 </p>
<p><a href="#">Back to top</a></p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>cbabbman</b></p>  <p>Joined: 10 Jul 2006 Posts: 30</p>	<p><input type="checkbox"/> Posted: Fri Mar 09, 2007 12:18 am Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <p>well poo... I did see that post but was thinking D ring, not a triangle... thanks Grant...</p> <p>Does Steve carry these?</p>

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<p><b>Grant L</b> Kite of the Year 2004</p>  <p>Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p>Posted: Fri Mar 09, 2007 3:19 am    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>I am pretty sure that Cliff made his own. Mine used small rings and grossgrain ribbon. I can't find a photo of the rings I used but here is how I did the tips od the "D" parts. I then sewed grossgrain ribbons between the tips, running it through a ring in the process. 😊</p> <p><a href="http://www.kitebuilder.com/forums/viewtopic.php?t=695&amp;postdays=0&amp;postorder=asc&amp;start=390">http://www.kitebuilder.com/forums/viewtopic.php?t=695&amp;postdays=0&amp;postorder=asc&amp;start=390</a></p>
<p>Back to top</p>	<p><a href="#">PROFILE</a>   <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>Popeye</b></p> <p>Joined: 01 Jan 2007 Posts: 25 Location: Brighton MI</p>	<p>Posted: Fri Mar 09, 2007 3:56 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <p>OOPS! Sorry about that cbabbman 😊 Grant's right- they were triangles, I used D's because Steve didn't have the triangles at the time. I used Grant's reinforcement approach. and used grosgrain for the loops as well. Sorry if I messed you up</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a></p>
<p><b>cbabbman</b></p>  <p>Joined: 10 Jul 2006 Posts: 30</p>	<p>Posted: Fri Mar 09, 2007 7:44 pm    Post subject: <span style="float: right;"><a href="#">QUOTE</a></span></p> <hr/> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p><b>Quote:</b> Sorry if I messed you up</p> </div> <p>mess me up? Hell, you guys are the ones who keep me from messing up!... that's why I try to ask a bunch of questions before I start a build...</p> <p>I like the reinforcement on the ends of the D panels and I like the idea of connecting the tips with grosgrain and then using the ring... only 2 lines to pull through the spar end fitting.</p> <p>ok, now, just a couple of more questions on parts... I hope...</p> <p>Is this the fitting you used for the spar end? <a href="http://www.kitebuilder.com/catalog/product_info.php/products_id/1090?osCsid=6b08eb51b6e4c099f1e03b8b6839d0f8">http://www.kitebuilder.com/catalog/product_info.php/products_id/1090?osCsid=6b08eb51b6e4c099f1e03b8b6839d0f8</a></p> <p>What size ring did you use?</p> <p>I haven't used grossgrain ribbon before for anything... did you get it from Steve or is this something I can pick up at my local fabric store?</p> <p>The only thing I can't seem to find would be the proper nok fitting for the center spar, can you point me to it?</p> <p>I have a cart full of stuff to pull the trigger on once I have everything lined up...</p> <p>This is going to be.... fun, I hope..</p>

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<b>Popeye</b>  Joined: 01 Jan 2007 Posts: 25 Location: Brighton MI	<div style="text-align: right;"><a href="#">QUOTE</a></div> <p>Posted: Sat Mar 10, 2007 11:01 am Post subject:</p> <hr/> <p>Yep use MKS          I used 10mm pultruded <a href="#">Graphite</a> tubing (60"). You need 12 pieces.          #RLG394060 ( I also got a couple spares because if you crash and break one you'll have to fly something else till you get a replacement.)          When I got to final assembly I found that I didn't have to trim the spars. The tips of my spars are only about 2" away from the tip of the D panels giving me a little room for adjustment later.          Get the 10mm MKS #CMKS500, you need 12.          Steve's Tinkertoy fitting #CTTU500 is the one to get. I was going to build my own but why? when you can get an accurately machined one.</p> <p>I used the 1/2" Aluminum D ring #LALD50</p> <p>You <u>can</u> find Grosgrain at the local fabric store. You'll have to search the aisle where they have the ribbon. I used 1/4" but Cliff said 3/8" would be better. I wanted black and they only had it in 1/4" but it's pretty strong.</p> <p>I did my tips a little different than Grant. I used one ring at each tip and ran four 150# lines through the MKS. Two from each side. This way I can tension each tip independently. By the time you get all four panels stitched out to length, all the slight variations in the seam width will show up in the lengths. I was worried that if I did not have the ability to tension each I might get a sag or a wrinkle.          To get four lines through the hole I cut two pieces about 24" folded them in half and put a single piece through the bend. Put the single line through the hole in the MKS and pull the lines through. It's tight but you can do it. Once you got the bend through just cut at the bend and you have four lines.</p>
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<b>Popeye</b>  Joined: 01 Jan 2007 Posts: 25 Location: Brighton MI	<div style="text-align: right;"><a href="#">QUOTE</a></div> <p>Posted: Sat Mar 10, 2007 11:06 am Post subject:</p> <hr/> <p>Oh I forgot, about the spine fittings.          I used the same MKS as the tips. That's why you need 12.          I don't know what others did but I put two 250#'s through. The MKS has that little lock screw which holds the line. I found that if I loosen the top and pull the center down it releases the tension on the tips and makes setting up and taking down a snap.</p> <p>And yes it was fun to build.</p>
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<b>cbabbman</b>    Joined: 10 Jul 2006 Posts: 30	<div style="text-align: right;"><a href="#">QUOTE</a></div> <p>Posted: Sat Mar 10, 2007 11:50 am Post subject:</p> <hr/> <p>excellent info Popeye... I had most of that stuff in my cart...</p> <p>Another question for the group... I'm contemplating edge binding everything as I want the stained glass effect... Steve sells both edge binding and pre-cut 1" <a href="#">Ripstop</a>...</p> <p>What's the real difference and what have you guys done/used in the past for this?</p>
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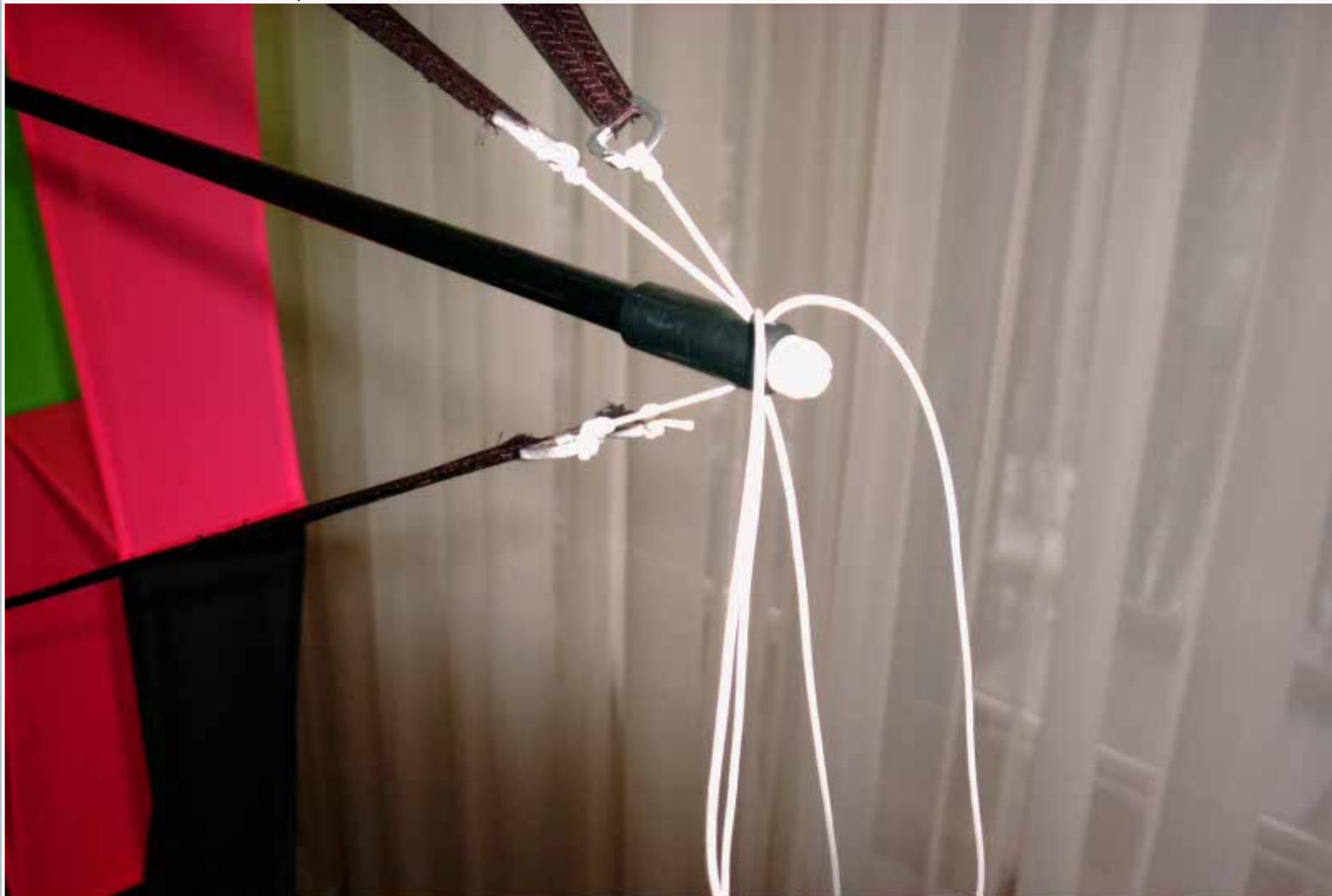
**Popeye**

Joined: 01 Jan 2007  
Posts: 25  
Location: Brighton MI

Posted: Sat Mar 10, 2007 11:53 am Post subject:

[QUOTE](#)

This is what I did. Does this help?



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**Popeye**

Joined: 01 Jan 2007  
Posts: 25  
Location: Brighton MI

Posted: Sat Mar 10, 2007 11:58 am Post subject:

[QUOTE](#)

I just put a couple more images in the photo album of some other details for you to look at.

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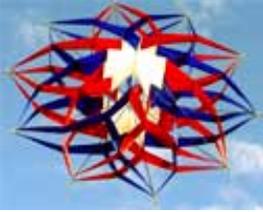
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# Kitebuilder.com's

2006 Kitebuilder of the year: Cliff Quinn  
2006 Kite of the year: Kelvin Wood's 'Man in Black'

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Double star plan Goto page Previous 1, 2, 3 ... 67, 68, **69**

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Author	Message
<p><b>Fool</b></p>  <p>Joined: 22 Oct 2004 Posts: 847 Location: Dayton, OH</p>	<p><input type="checkbox"/> Posted: Mon Mar 12, 2007 12:06 pm    Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p><b>cbabbman wrote:</b></p> <p>excellent info Popeye... I had most of that stuff in my cart...</p> <p>Another question for the group... I'm contemplating edge binding everything as I want the stained glass effect... Steve sells both edge binding and pre-cut 1" &lt;a href="http://www.kitebuilder.com/catalog/index.php?cPath=24_108"&gt;Ripstop&lt;/a&gt;...</p> <p>What's the real difference and what have you guys done/used in the past for this?</p> </div> <p>The edge binding Steve sells is more of a trailing edge material for a sport kite. You'll want something that will stretch with the fabric. Get the 1" precut rip-stop. I used I believe 4 or 5 52yrd rolls. Also it would be worth picking up a universal double fold edge binding attachment from ebay. Even if you don't want it to feed directly into the machine you can use it to quickly fold the 1" twice into 1/4" finish. There is a lot of info on this attachment on this forum that can be found with a quick search. 😊</p> <hr/> <p>Chris Taylor Dayton, OH lowerdfool(at)yahoo(dot)com</p>
<p>Back to top</p>	<p><input type="button" value="PROFILE"/> <input type="button" value="PM ME!"/> <input type="button" value="E-MAIL"/> <input type="button" value="AIM"/></p>
<p><b>scooterandre</b></p> <p>Joined: 19 Oct 2006 Posts: 1 Location: Oldenzaal (Netherlands)</p>	<p><input type="checkbox"/> Posted: Tue Mar 13, 2007 8:46 am    Post subject: <span style="float: right;"><input type="button" value="QUOTE"/></span></p> <p>Hello, fellow DS-builders.</p> <p>First, I want to thank you all for the good tips and tricks in this topic. Without them, it would have taken much more time so far.</p> <p>I am also making a double star and have just finished the hemming. However, in all those 69 pages, there is one thing I miss, a detailed photo of the center. Is there any reinforcement in it? How long are the lines, which are sewed at the centre and how many are there?</p> <p>Greetings from the Netherlands, André ter Pelle</p>

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<p><b>Grant L</b> Kite of the Year 2004  Joined: 16 Sep 2003 Posts: 1507 Location: USA IN Indianapolis</p>	<p><input type="checkbox"/> Posted: Tue Mar 13, 2007 9:39 am Post subject: <a href="#">QUOTE</a></p> <hr/> <p>From memory, I did sew dacron reinforcement to the pieces that had the center lines sewn to them. I sewed two lines to each of the center pieces on opposite sides of the spine sleeve. (I haven't done it yet, but I have considered sewing one line to each center piece, on the inner side. When you are first assembling the kite, there is very little tension and the spine end caps on mine tend to keep sliding off of the end of the spine 😊) Start out with them a couple feet long, ( way more than you will really need,) and then trim them once the kite is assembled. You can leave extra for later adjustments. The tension really does vary with humidity etc. 😊</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">E-MAIL</a></p>
<p><b>jason g</b> Master Kite Builder  Joined: 15 May 2004 Posts: 84 Location: Oswego, NY</p>	<p><input type="checkbox"/> Posted: Tue Mar 13, 2007 3:52 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <p>Unless I am reading the forum index improperly, this DS topic has crashed through <b>25,000</b> individual views. Sorry I haven't posted more.</p> <hr/> <p>jason g It's more fun to fly with a club. NYKE, GLKS, KICNYS, TKF, Keystone</p> <p>The Seam Ripper is my friend; the Seam Ripper is my friend; the Seam Ripper is my friend....</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a></p>
<p><b>Pumpkin</b>  Joined: 30 Oct 2006 Posts: 764 Location: Birmingham UK</p>	<p><input type="checkbox"/> Posted: Tue Mar 13, 2007 4:26 pm Post subject: <a href="#">QUOTE</a></p> <hr/> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p><b>jason g wrote:</b></p> <p>Unless I am reading the forum index improperly, this DS topic has crashed through <b>25,000</b> individual views. Sorry I haven't posted more.</p> </div> <p>Couldn't resist pushing towards 70 pages as well.....dunno if this is a forum record but impressive..... if a little daunting to anyone starting on page 1 😊</p> <hr/> <p>Best Regards Pete Where did you say the string goes?</p>
<p>Back to top</p>	<p><a href="#">PROFILE</a> <a href="#">PM ME!</a> <a href="#">WWW</a></p>
<p><b>smarties</b>  Joined: 05 Nov 2003 Posts: 1791 Location: Dieppe, NB, Canada</p>	<p><input type="checkbox"/> Posted: Tue Mar 13, 2007 6:14 pm Post subject: <a href="#">QUOTE</a> <a href="#">EDIT</a></p> <hr/> <p>I never thought that my original question would go so far. There's enough to write a book. 😊</p> <p>Seeing other members still building this beautiful kite is rising the pressure for me to build one too. It's going up in my priority list. I can't wait to have the time to build one.</p> <hr/> <p>Smarties 😊 <a href="http://www.yvonhache.com">http://www.yvonhache.com</a></p> <p>To boldly go where no imagination as gone before! 😊 😊</p>



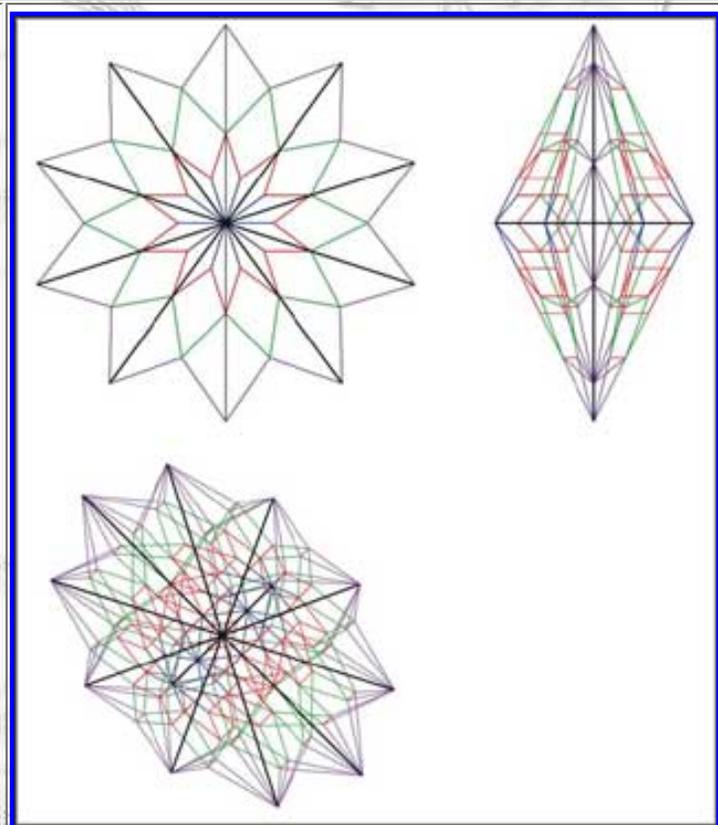
## KITE PLANS

### DOUBLESTAR



#### PARTS

1. 11-12 meter, 150 cm wide ripstop nylon (Color 1: 275cm, Color 2: 380cm, Color 3: 300cm, Color 4: 200cm)
2. 11 x 150cm (60inch) 10 mm Carbon Tube
3. [A Ten Point Center Connector](#) (HUB/Tinker Toy, mine is wooden. I used 3 mm wood. Has a dia of 13.5cm and height of 1.8cm)
4. Dacron reinforcement.
5. 2x10mm nocks.
6. 10 endcaps.



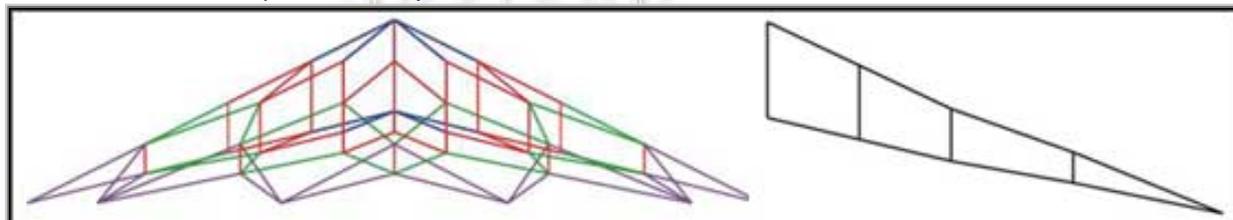
#### PANELS

Here is the Panels dimensions in several formats. The original dimensions are in Centimeters. I also convert them into inch. But I recommend you to use metric. If you have any CAD Office in your area, it is good to print them.

JPEG	<a href="#">Centimeter</a>	<a href="#">Inch</a>
AutoCAD 2000 DWG	<a href="#">One unit is one Centimeter</a>	<a href="#">One unit is one Inch</a>
PDF (A1 Paper Size/cm)	<a href="#">PANEL A</a> / <a href="#">PANEL B</a> / <a href="#">PANEL C</a> / <a href="#">PANEL D</a>	

I show every panels in diferent **COLORS**. Panel A is Blue, Panel B is Red, Panel C is Green and Panel D is Purple. You need 20 x Panel A , 40 x Panel B, 40 x Panel C, and 40 x Panel D. This **PICTURE** shows how I cut the panels to minimize Fabric use.

#### SEWING PANELS(ONE HALF)



We will sew front and back of the kite. Front and are back of the kite are same. You need 10xPanel A, 20xPanel B, 20xPanel C and 20xPanel D for each side.

You must sew reinforcement two of the Panel A for each side of the kite. When sewing center these panel will be other side of each other.

Sew the edges of the panels. Double fold the **EDGES** and sew.

Sew the Panel A's(Center of the Panels) to each other shown in **PICTURE**.

[Sewing Panel A -> Panel B.](#)

[Sewing Panel B -> Panel C.](#)

[Sewing Panel C -> Panel D.](#)

[Sewing Panel D -> Panel D.](#)

### SEWING POCCKETS AND CENTER LINE

Now sew pockets for spars and connect to front and back side. Sorry about the sewing quality :(I used 5x10cm dacron. Because I forget the end caps of the spars, spars pierce some of the pockets so I sew a second layer of dacron which you can see in the [PHOTO](#).

For Center sew a line. Each end of the line will sew the darcon reinforcements on PANEL As. Do for back and front side. When I making my kite I made a mistake on the center. I sew wrong. So your center will be different.

[PHOTO](#) of my kite's center front.

### BRIDLE

The kite has a sipmle 3 point [BRIDLE](#).

### SPARS

The Center spar will be 150 cm and attach a nock eack side of the kite. The other spars will be shorter then 150 cm. Because you will use a Center HUB/Tinker toy the size of the spars will be different then my spars. You must calculate it or you must try the correct length.

### 8 POINT 2M DOUBLESTAR

Here is an [PDF](#) file of the 8 Point Doublestar Panels.

Sorry I put only in centimeters. But the PDF Document is in A0 Papersize. If you able to print in A0 size then you will have the original size panels.

For a strong kite I recommend to use 8 mm carbon tube. [But my friend have one with 6 mm spar](#). It can flight in very low winds. But I don't know the upper wind limit.

This is my first detailed kite plan. Please tell me any information which is missing above.

**Also, you can find lots of information about the kite in [Kitebuilder Forum](#).**

### DOUBLESTARs made with this plan

Please send me your Doublestar's pictures.



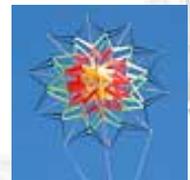
Bernie, the Mountain Man,  
CA



Cliff Quinn, USA



Halit Cebeci, Turkey  
8 point 2m



Leandro Galvez, Brasil  
1.5m Bamboo/Paper



Marc Conklin  
Midlothian, VA, USA



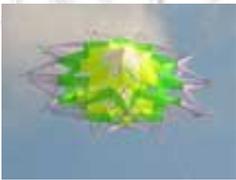
Erhan Tüfekçioğlu, Turkey  
8 point, 2m



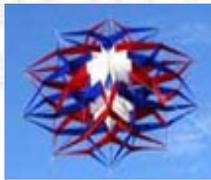
Bill Wilson, Canada



Chris Taylor,  
Dayton, OH



Patrice, France



Grant Lovett, USA



Ferruh Baysu, Turkey  
12 point, 3.6m



Cliff Quinn, USA  
12 point, 5m



Marcos, Spain



Fevzi Kir  
8 point, 2m



Marco Chiani, Italia

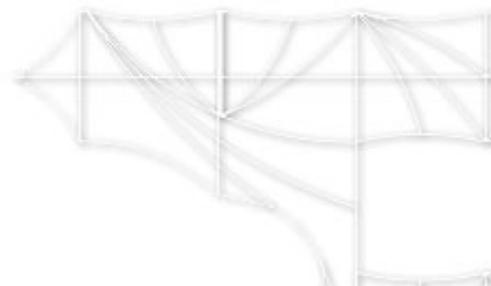
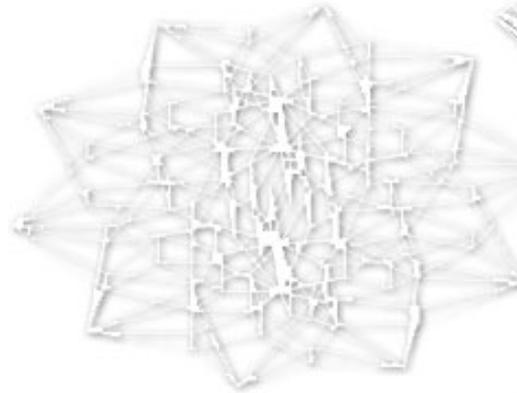
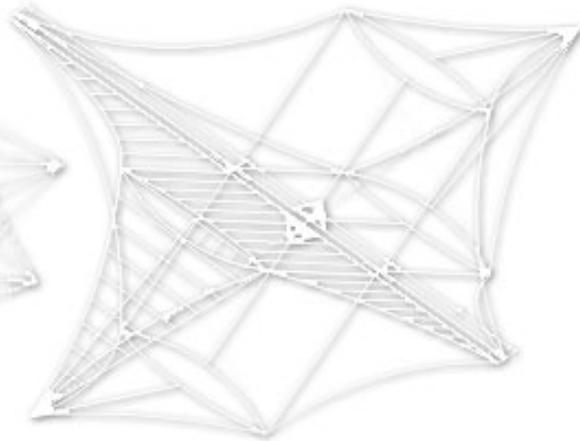
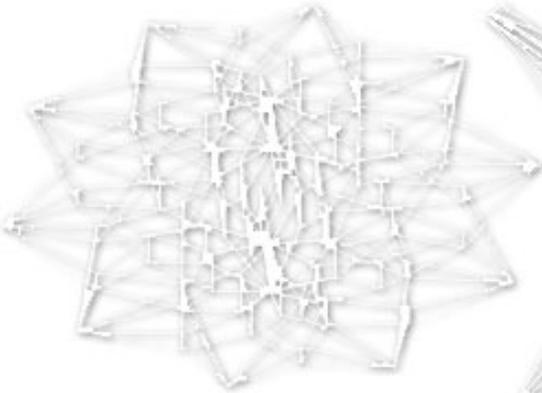
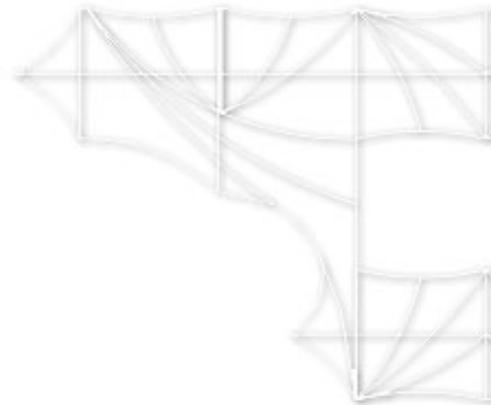
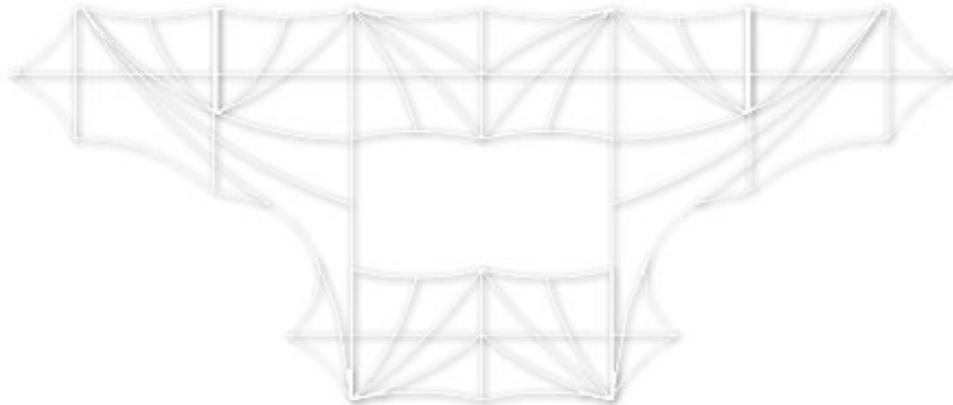


Walter Wolf,  
Easton PA USA



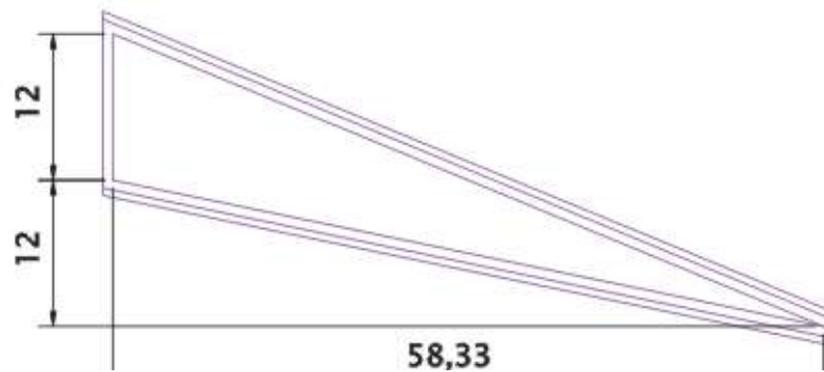
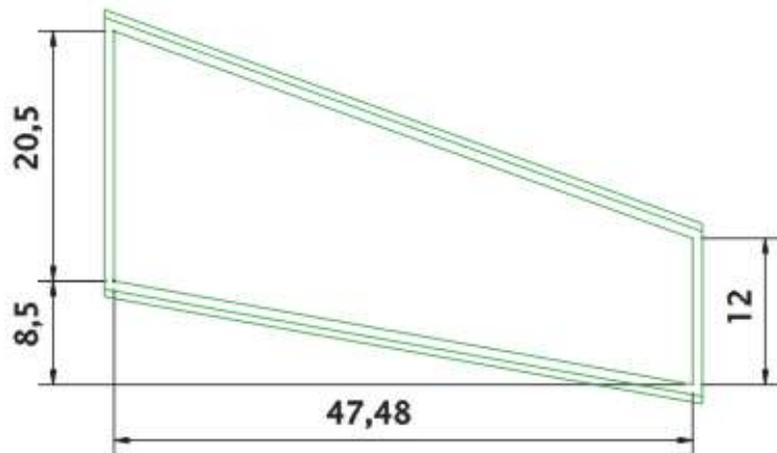
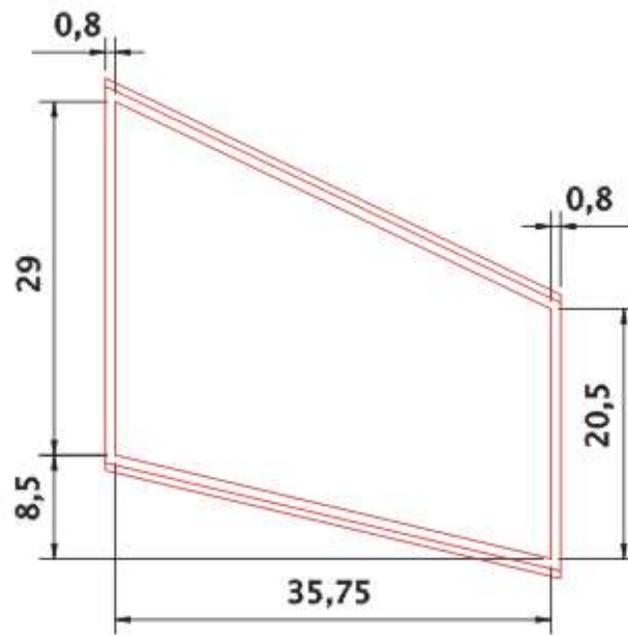
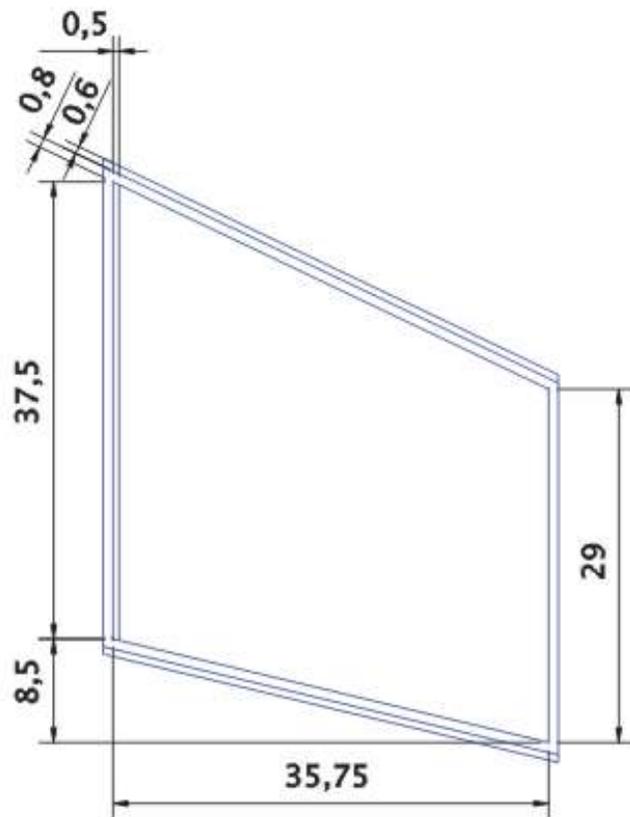
Roberto Cassanello  
Buenos Aires

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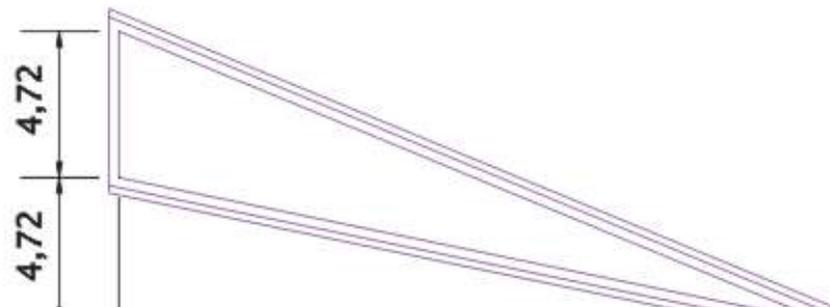
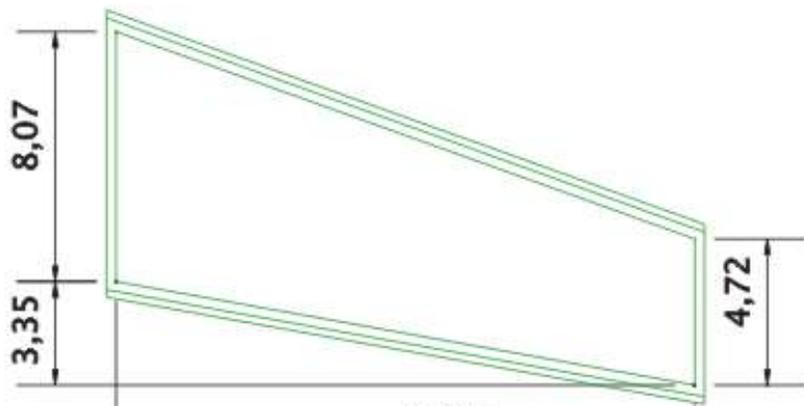
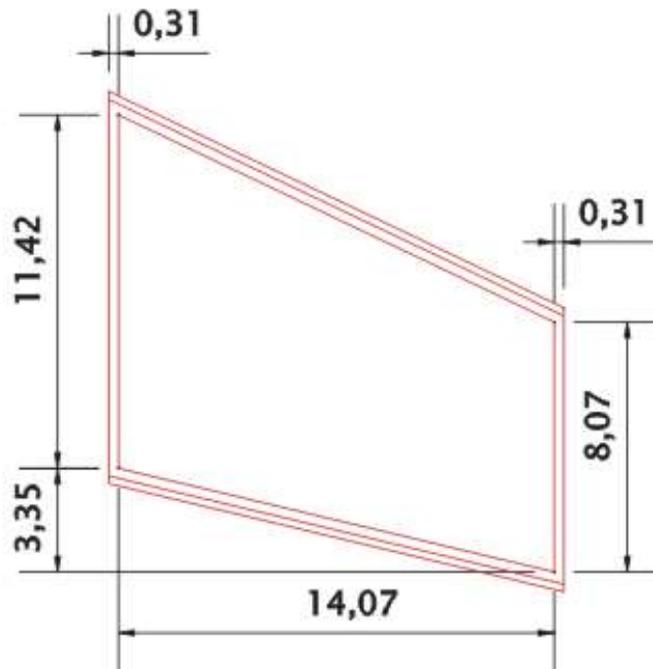
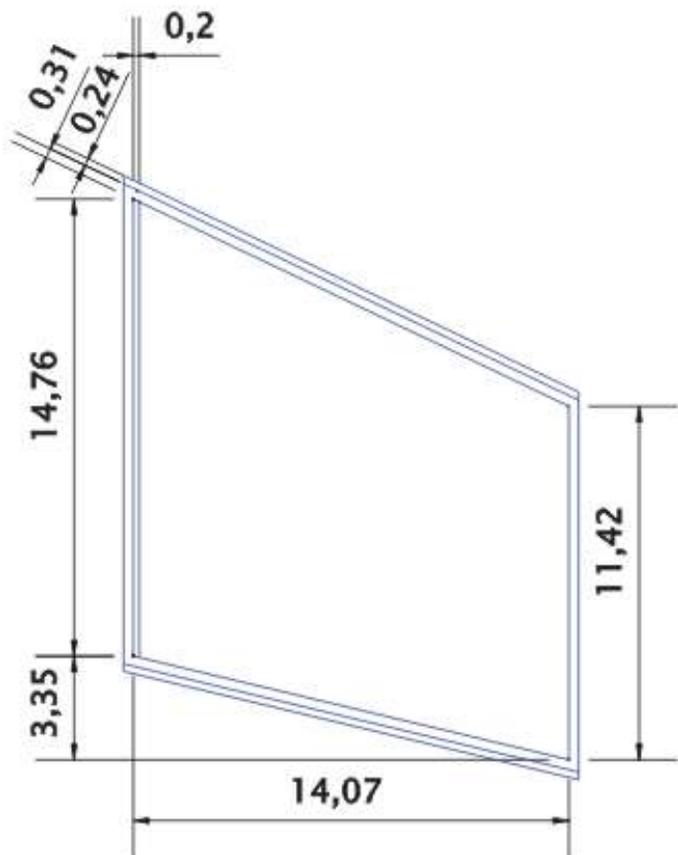


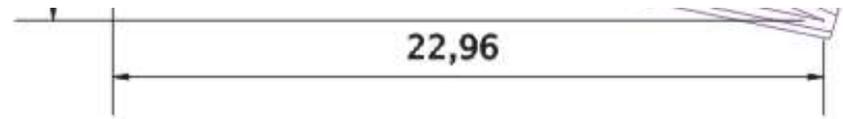
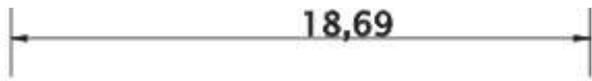
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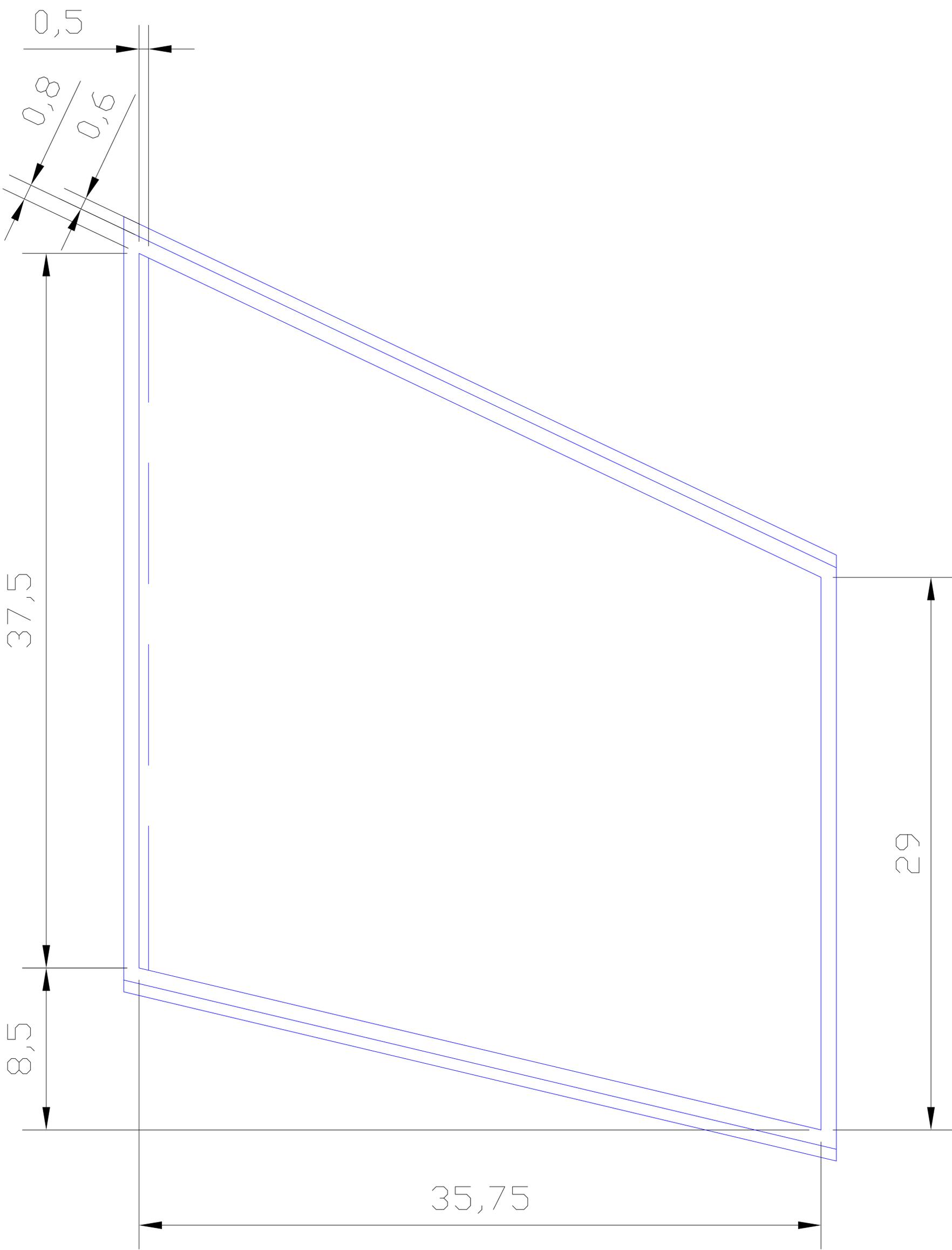


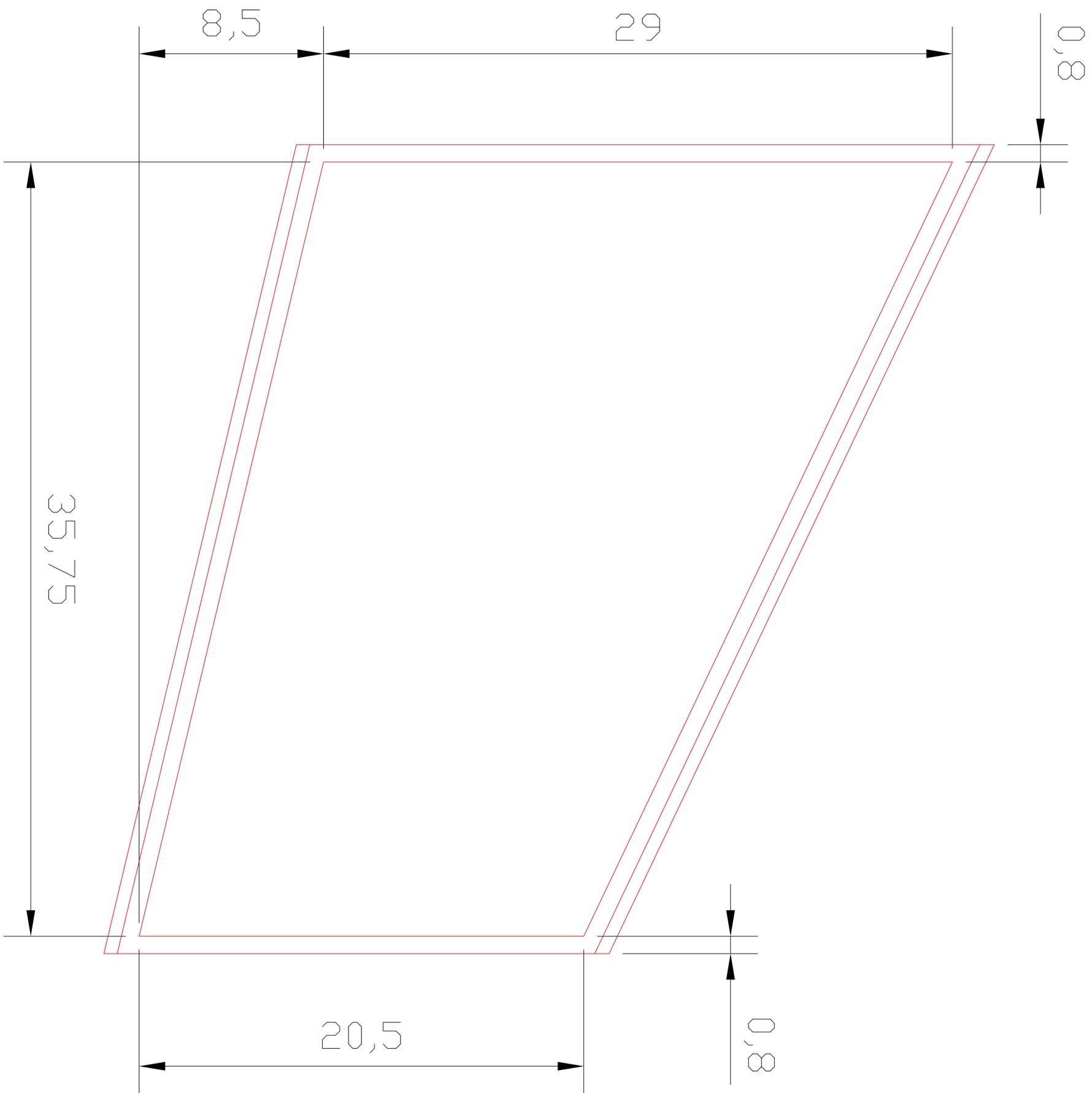


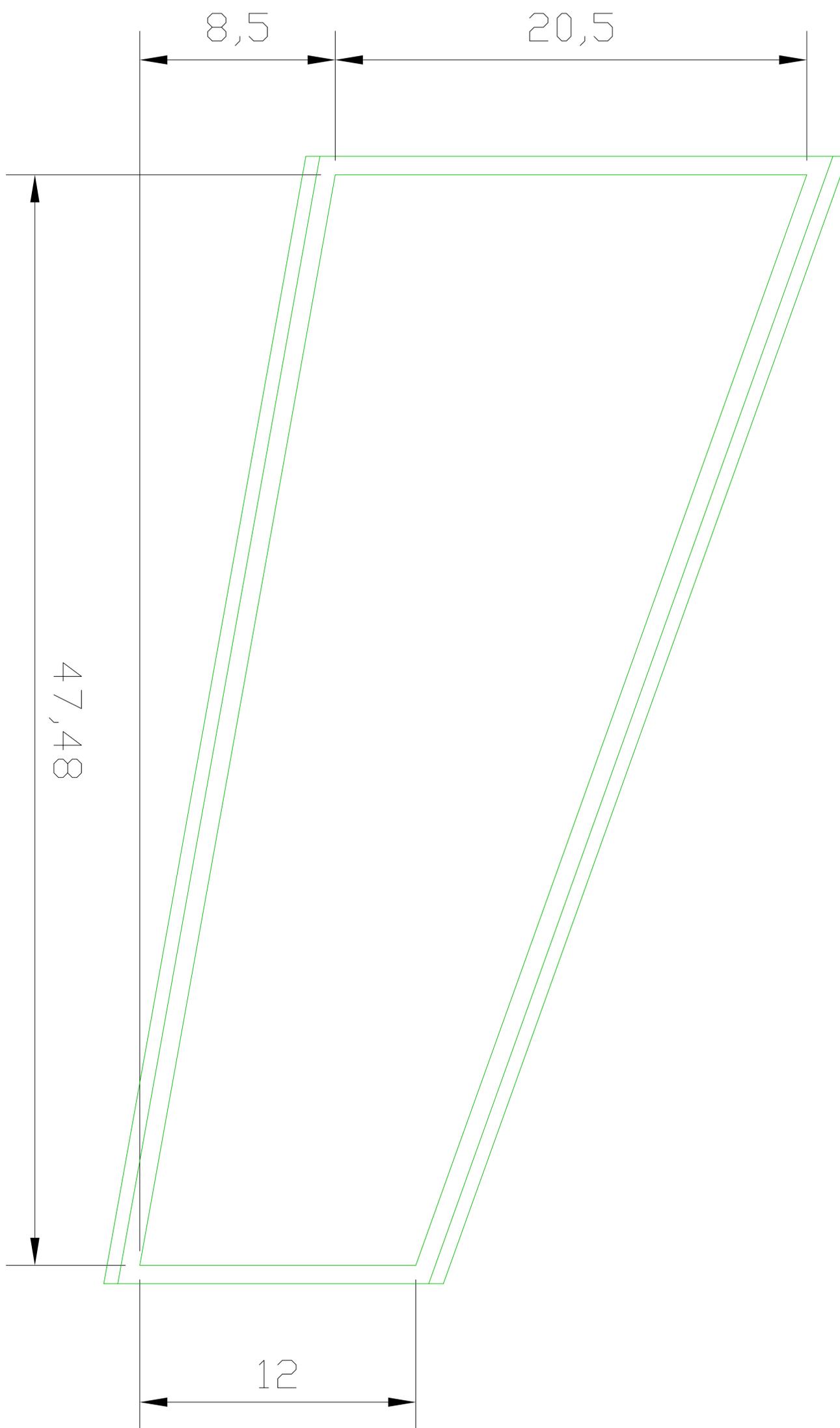
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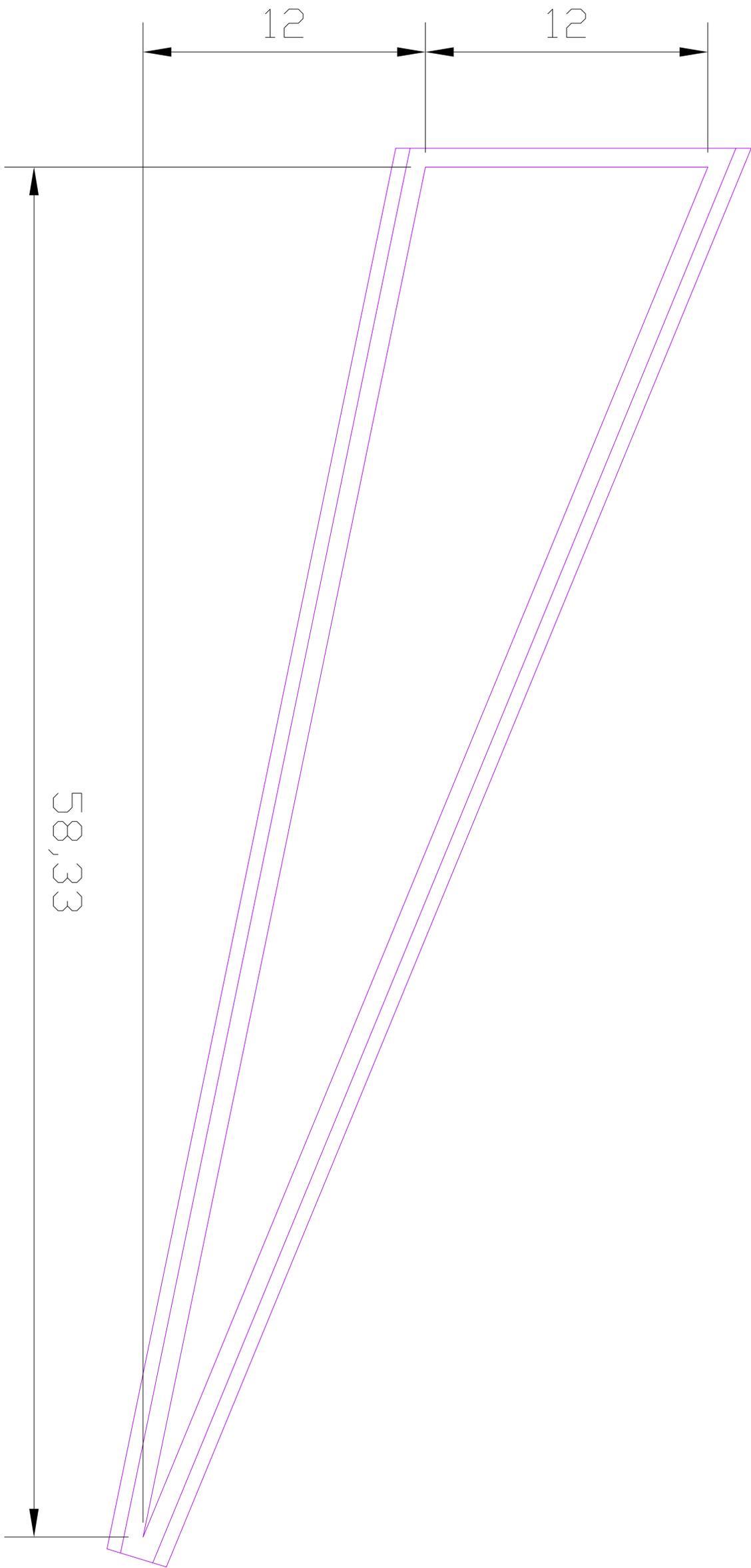


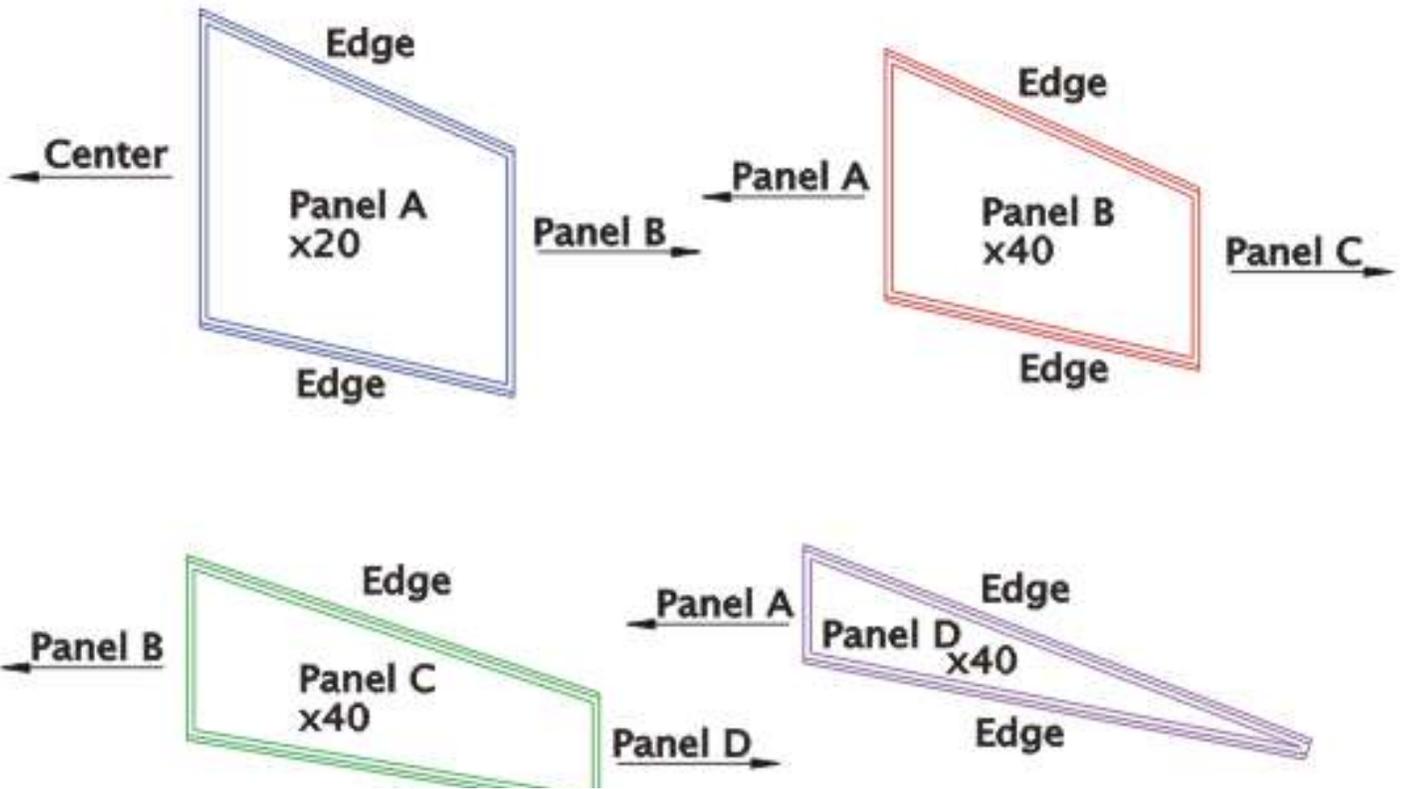
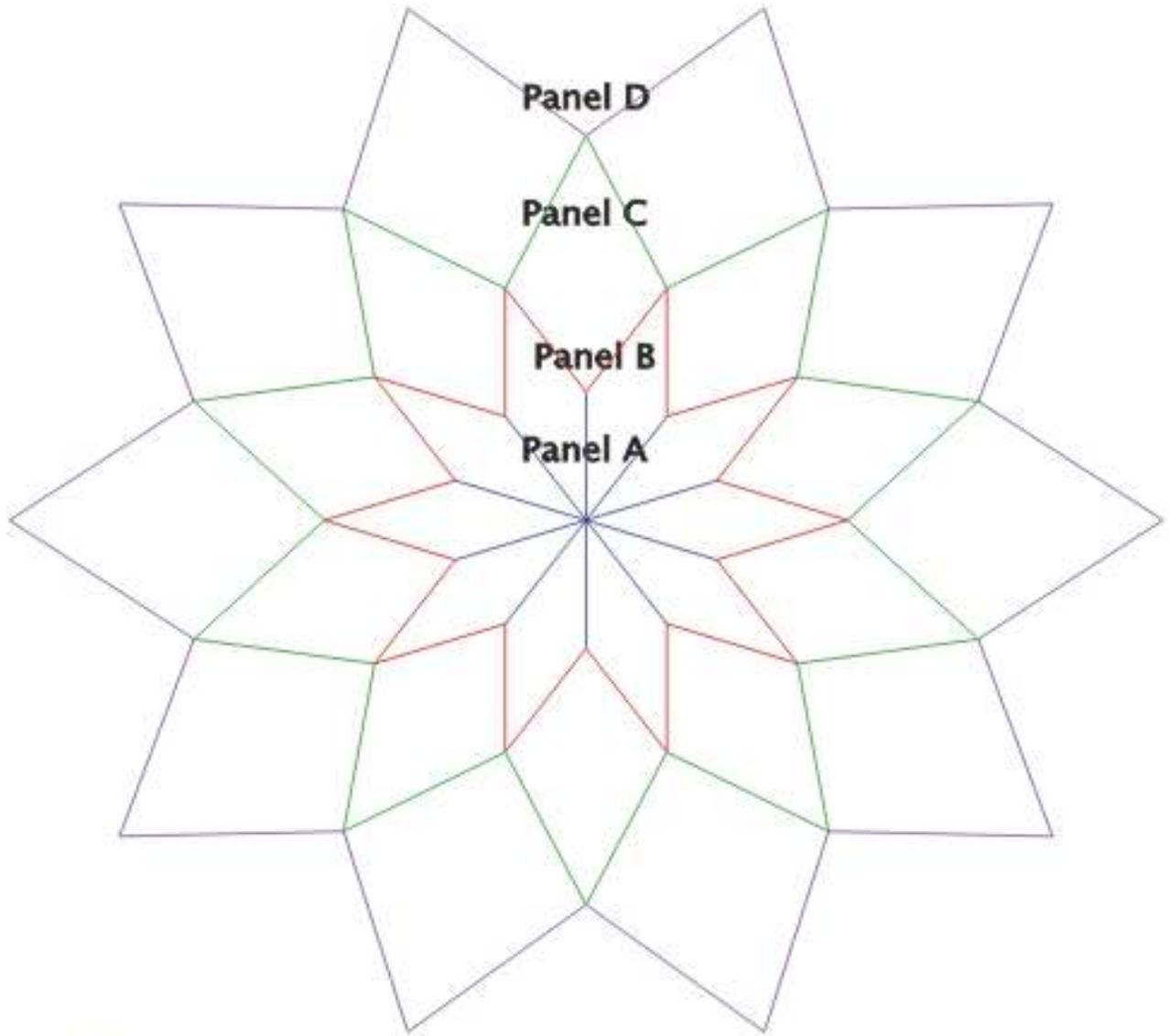


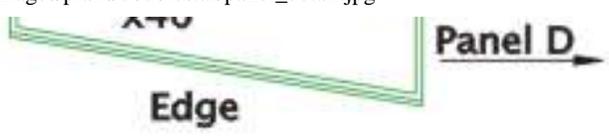


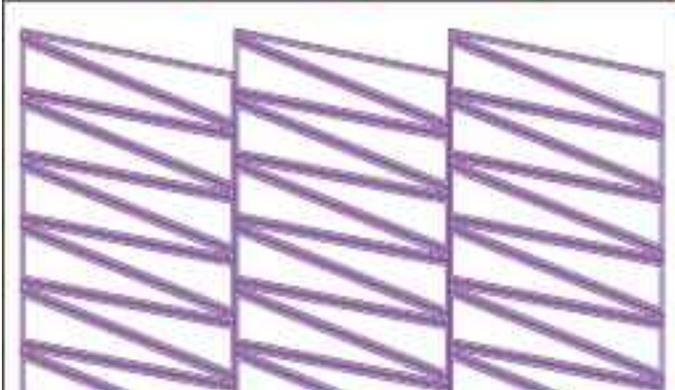
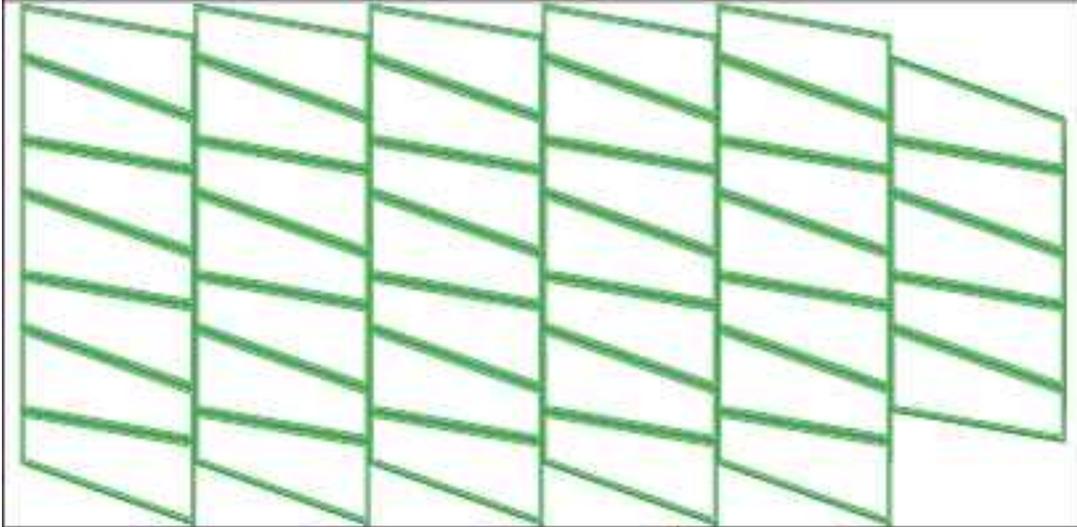
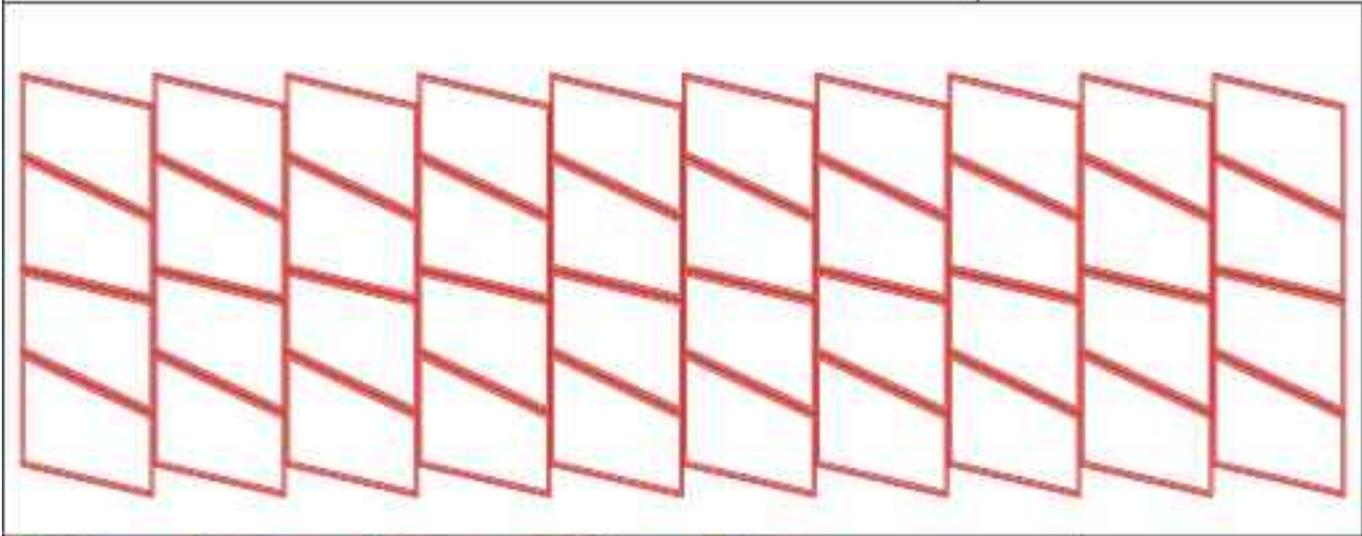
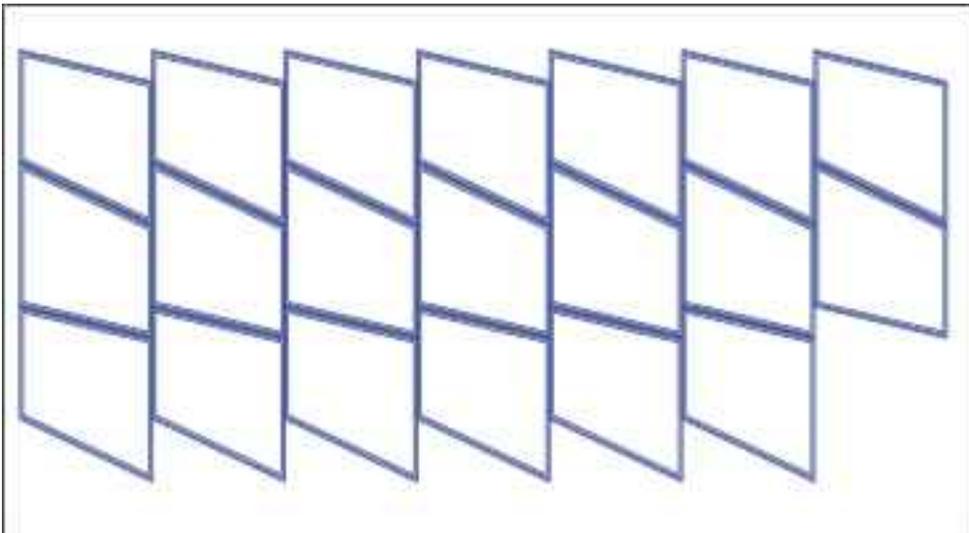


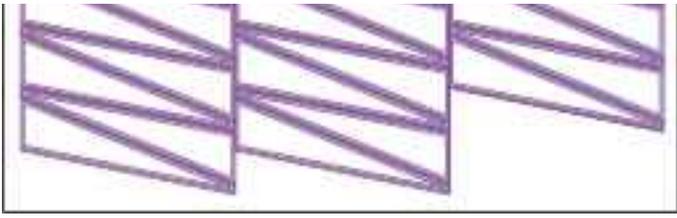


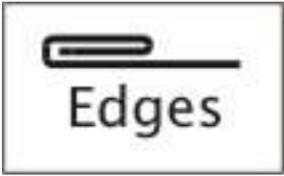


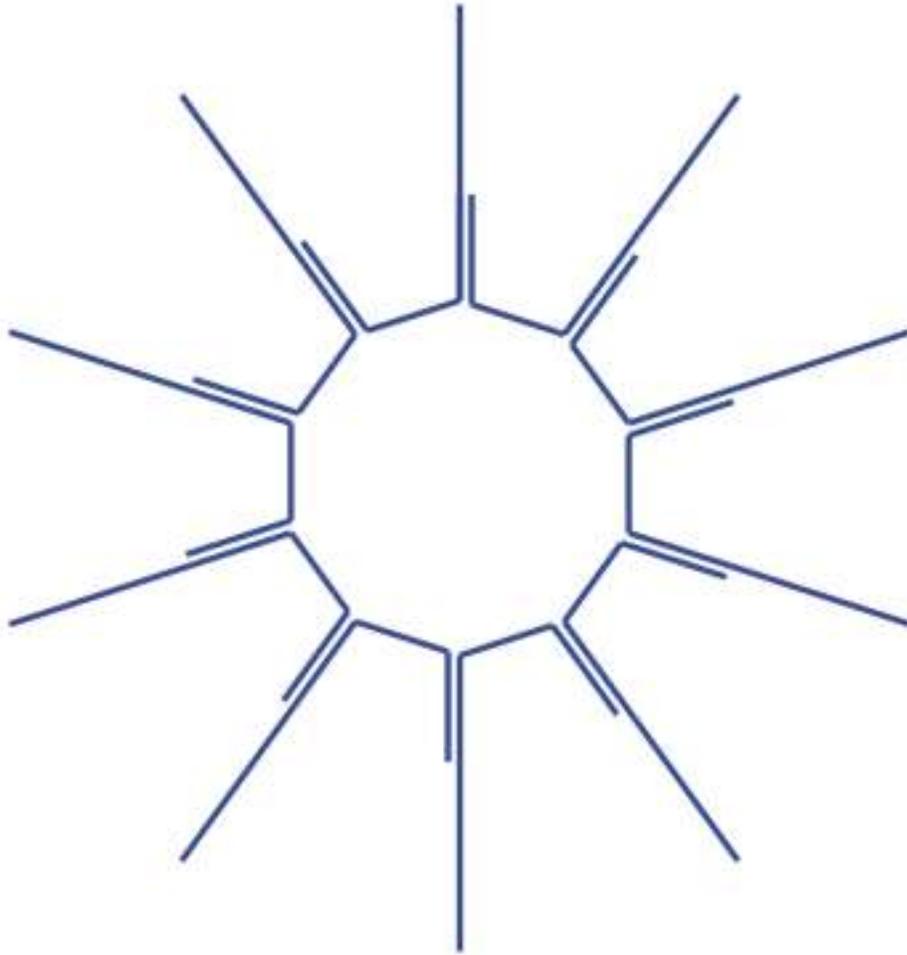






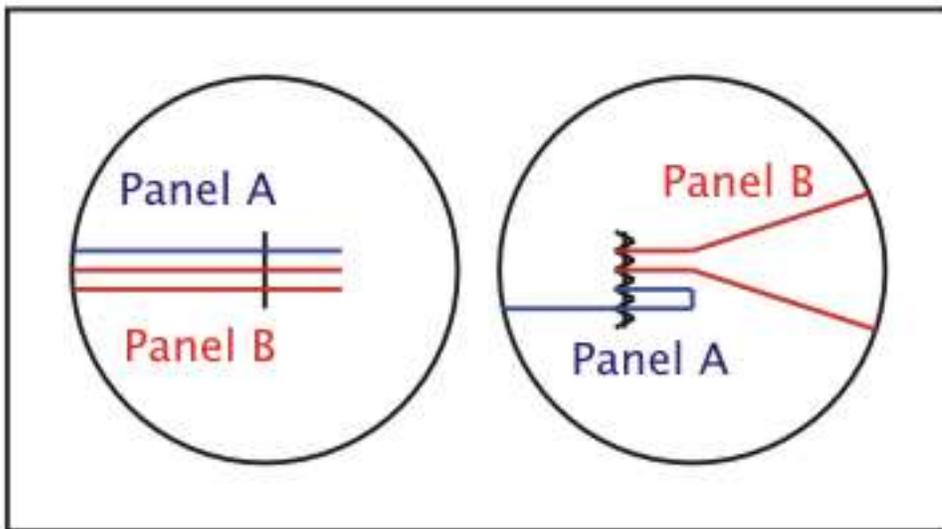
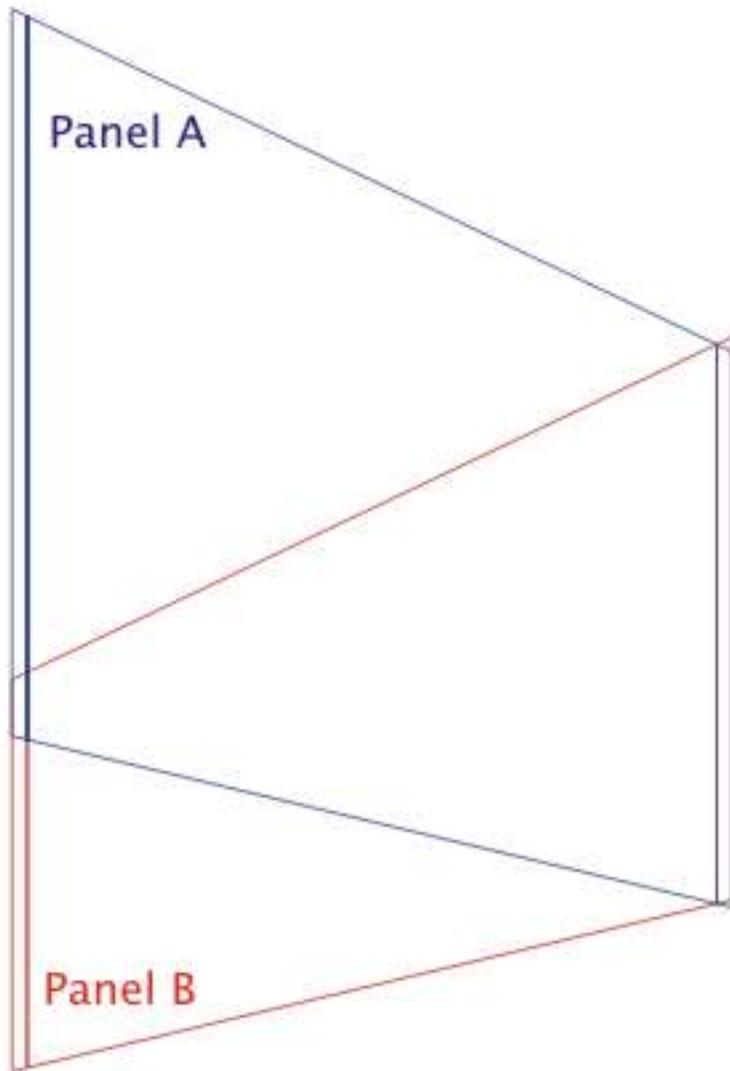




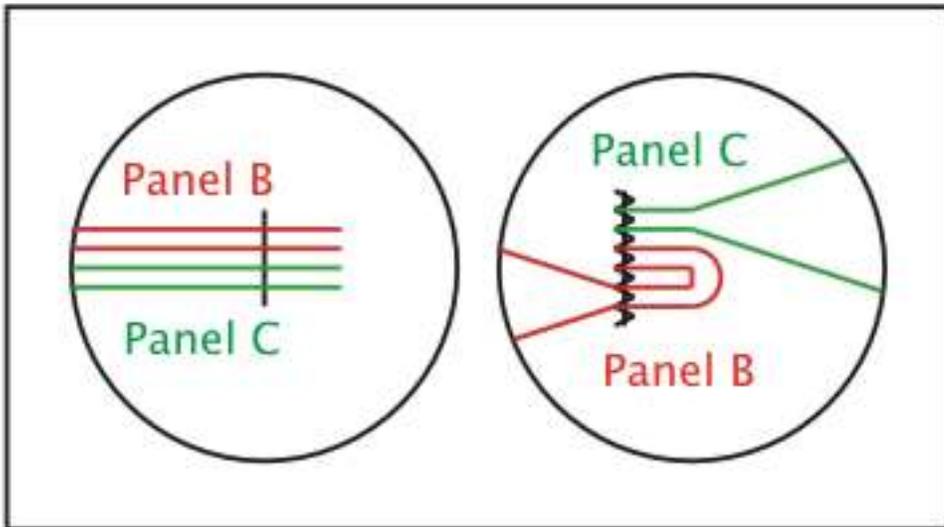
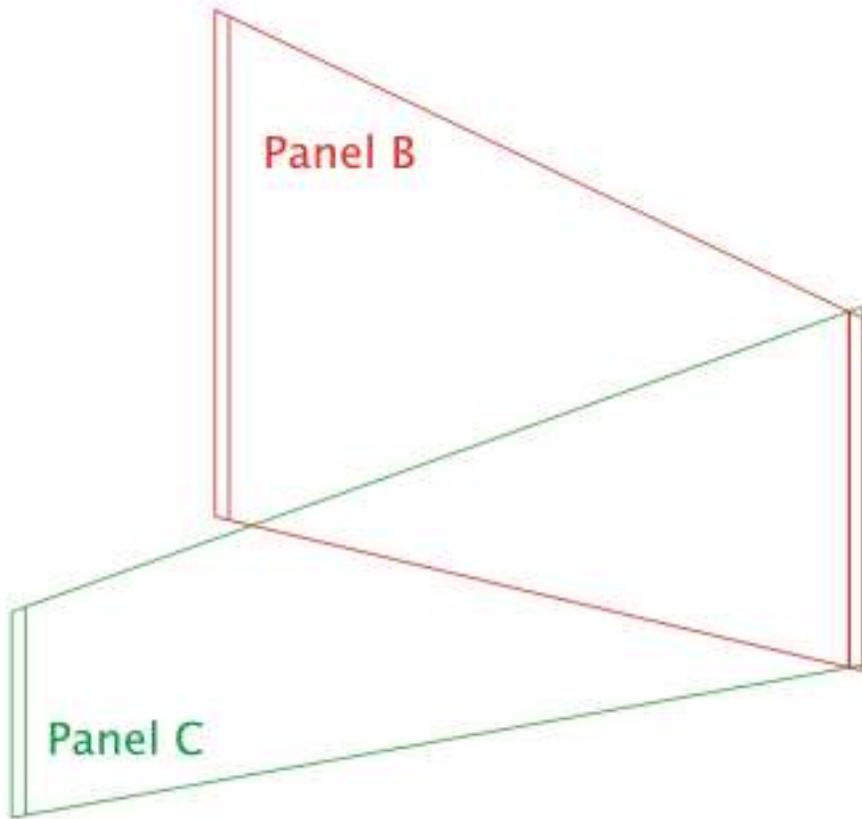


**Center**

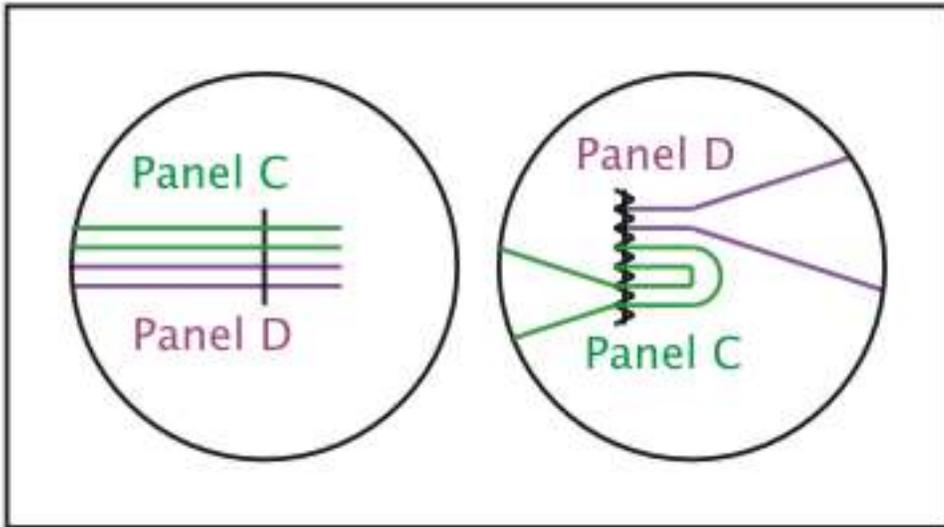
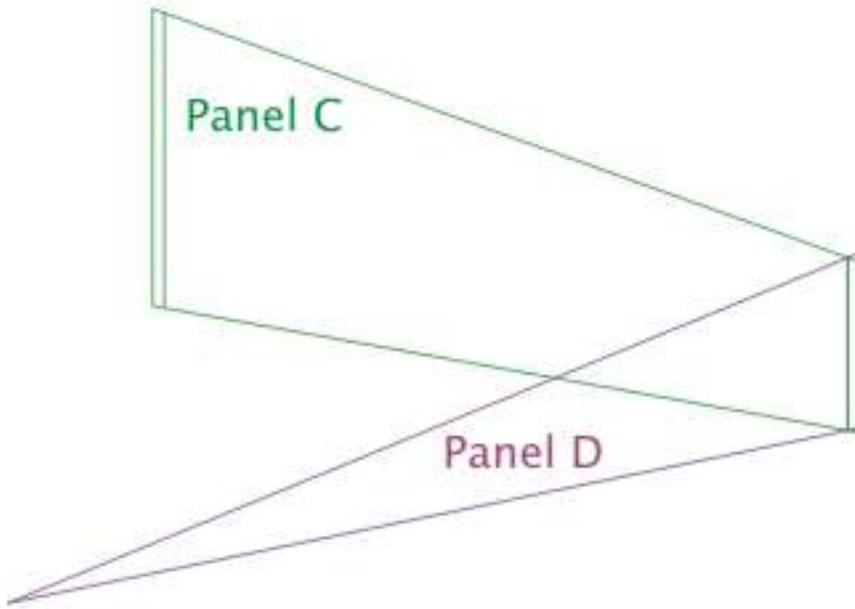
**Panel A x10**



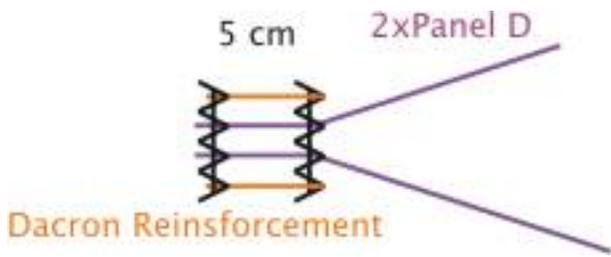
Sewing Panel A to B

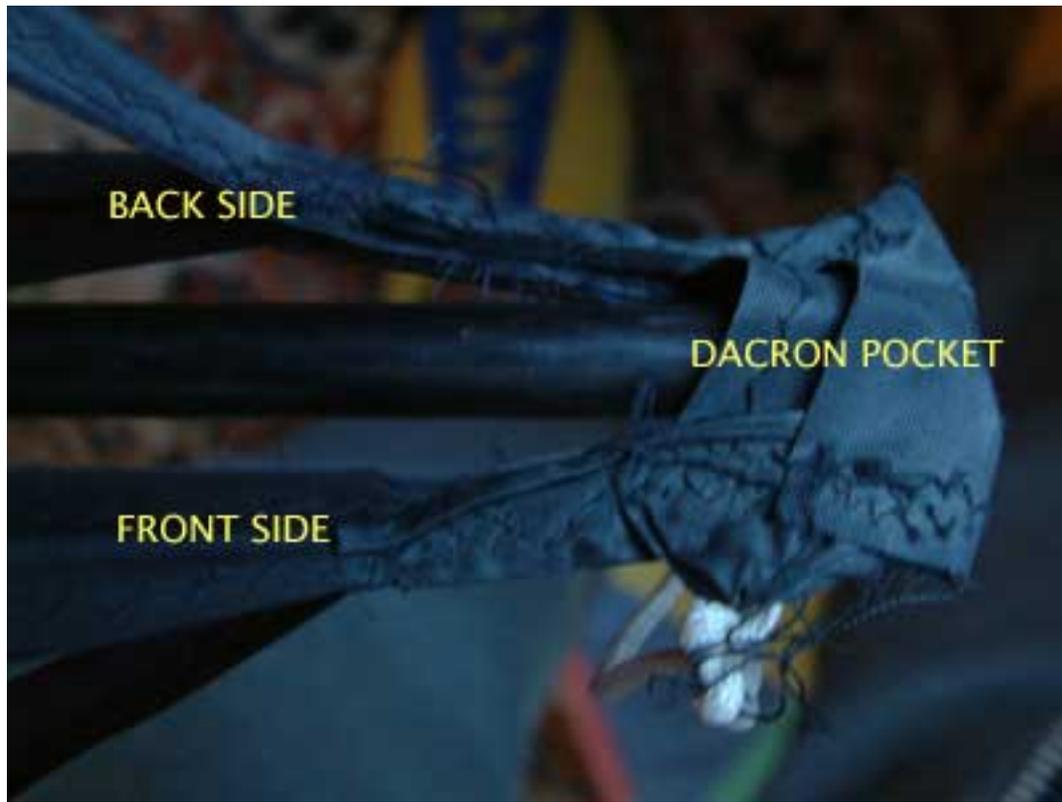


Sewing Panel B to C



Sewing Panel C to D

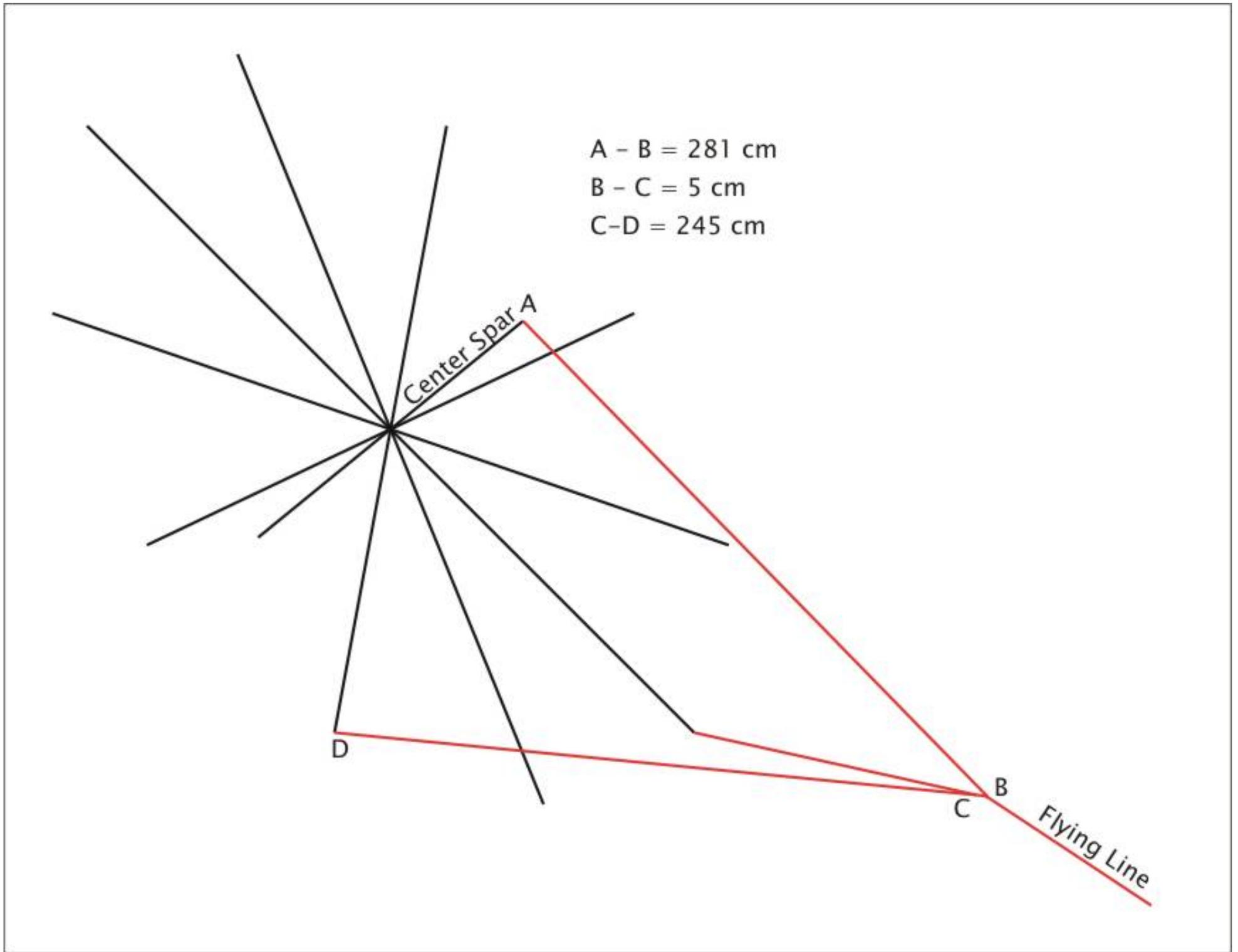


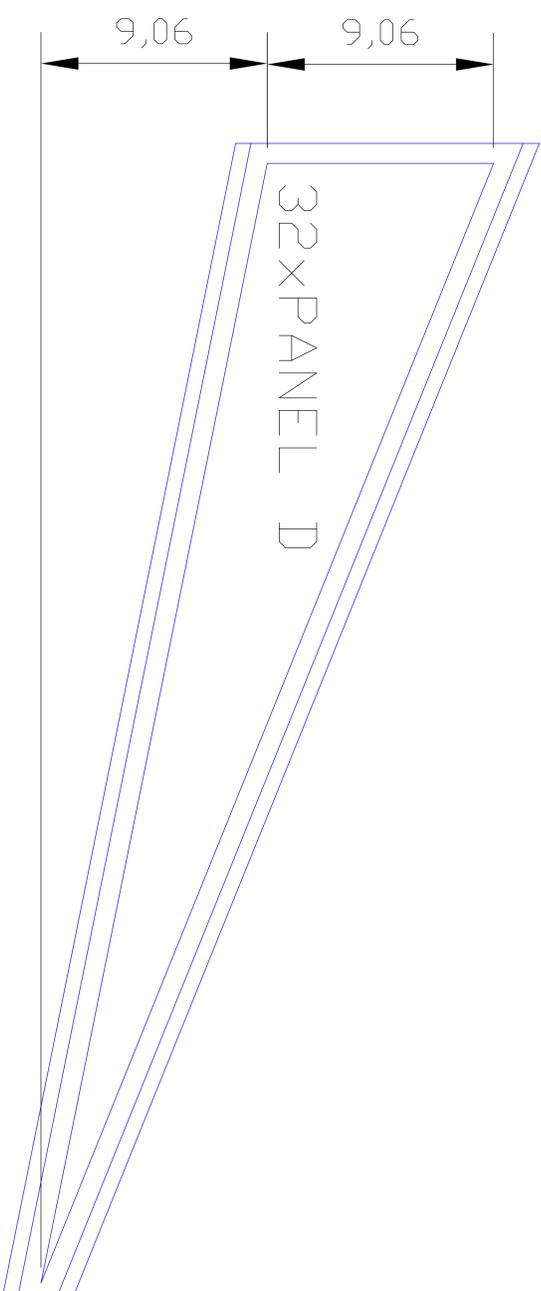
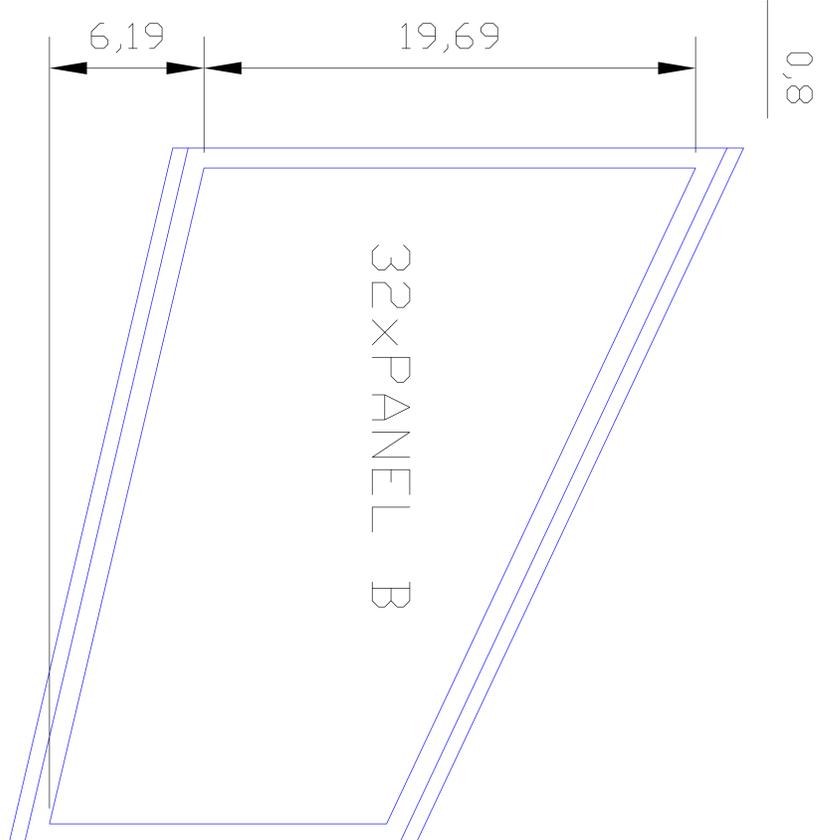
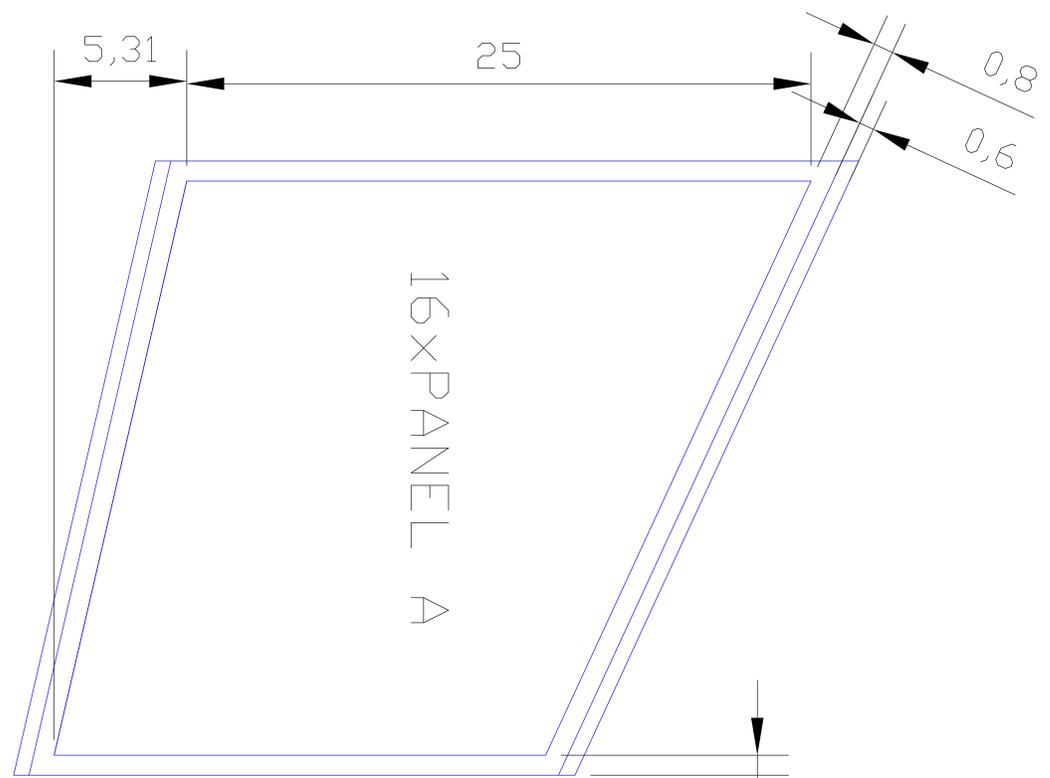
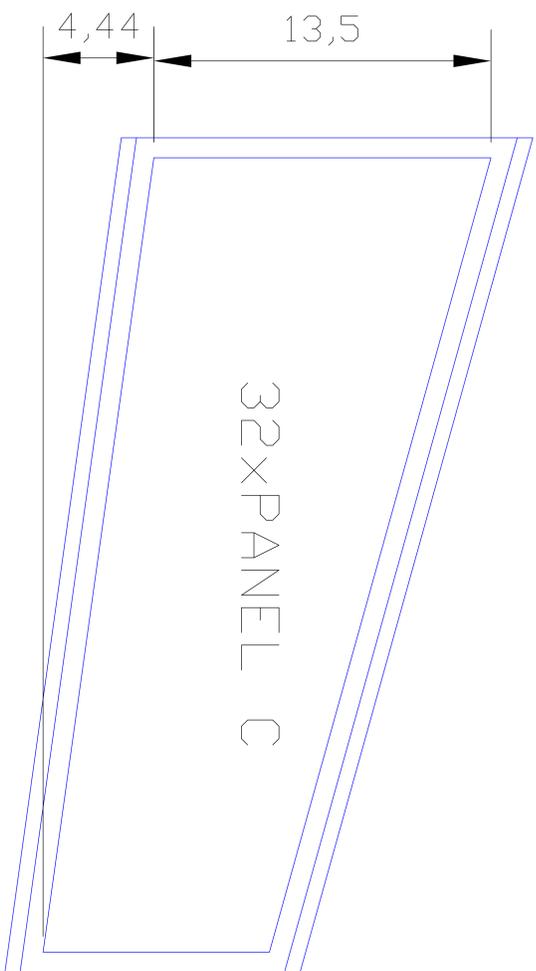


SEW A LINE FOR FRONT AND BACK  
FOR CENTER SPAR AND  
TO CONNECT BRIDLE (Front)

BRIDLE LINE

KNOCK

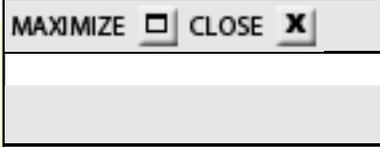






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# Welcome to Mr and Mrs Mountain Man's Double Star



top section  
in kitchen



showing  
end piece



close up of  
end piece



close up of  
center piece



top section  
assembled outside



top section  
different view



top section  
another view



top section  
another view



top section  
again



pushing spar  
through end tab



locking spar  
with velcro



putting spar  
in center piece



adding harness  
pic by Imagin



final checking  
pic by Imagin



getting ready to fly  
pic by Imagin



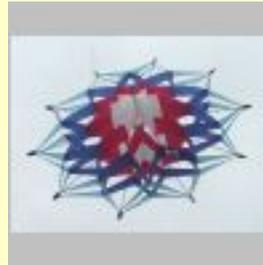
up and away  
pic by Imagin



flying smooth  
Pic by Imagin



different angle  
Pic by Imagin



another view  
pic by Imagin



Imagin arch behind  
pic by Imagin



good view  
pic by Peggy



good view .jpg  
pic by Imagin



100ft of line  
pic by Imagin



proud MM  
pic by Smarties



flying steady  
pic by Smarties



up high  
pic by Smarties

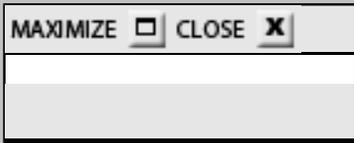
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Created by Bernie Houle *the Mountain Man*

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**Showing end piece**  
**Photo by Peggy**

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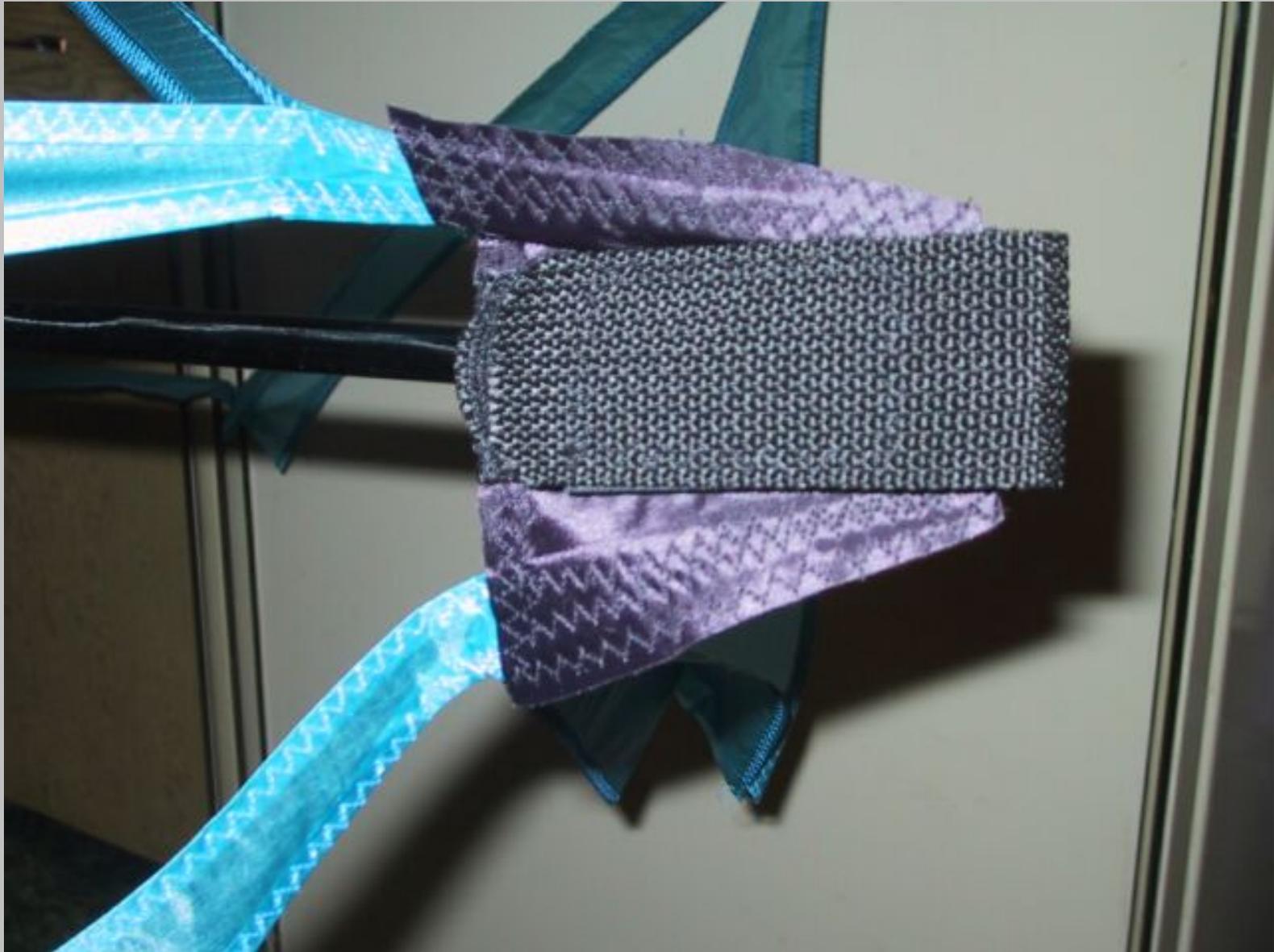
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**Photo by Peggy**

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**Photo by Peggy**



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Outside  
Photo by Peggy**

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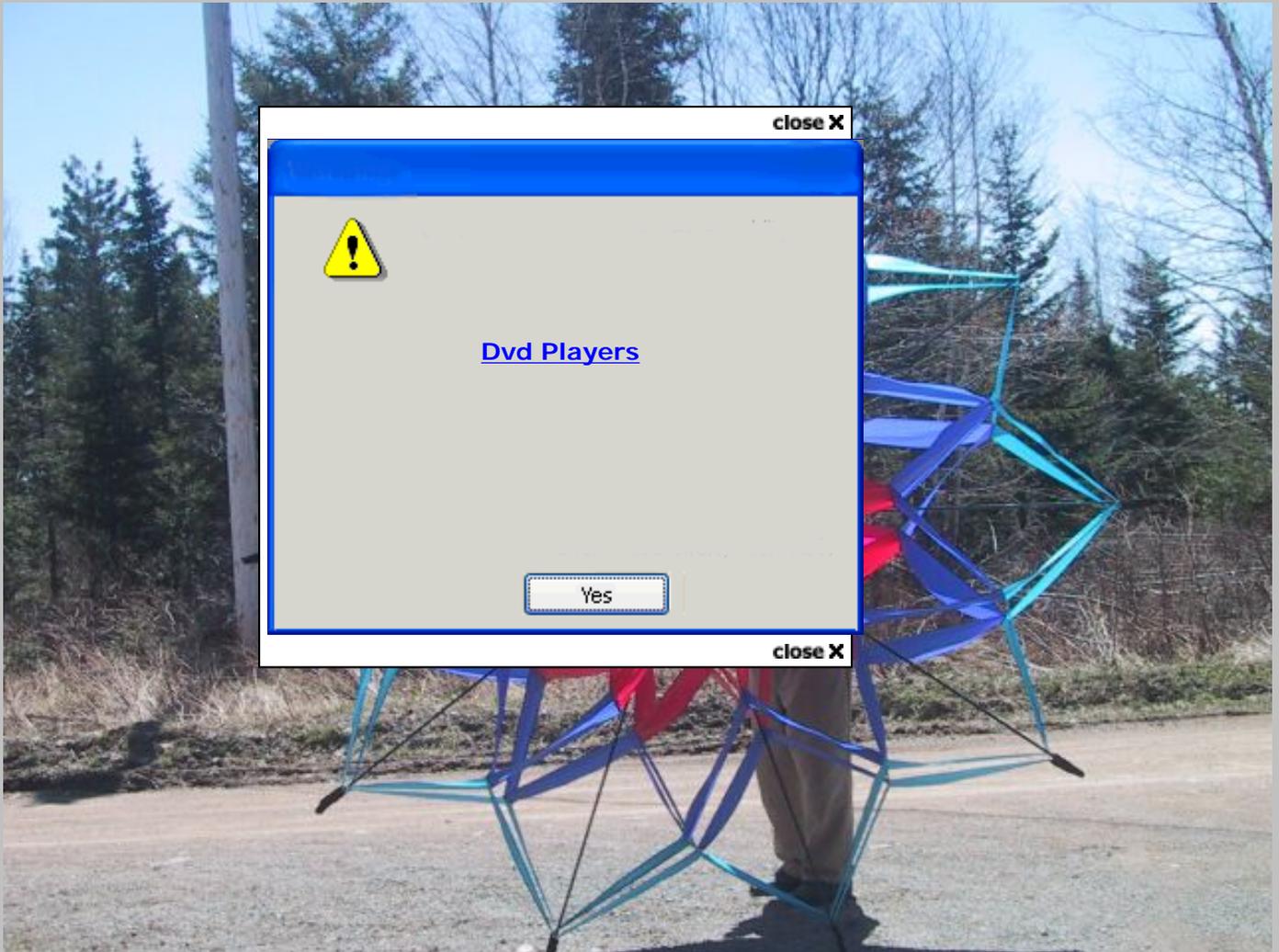
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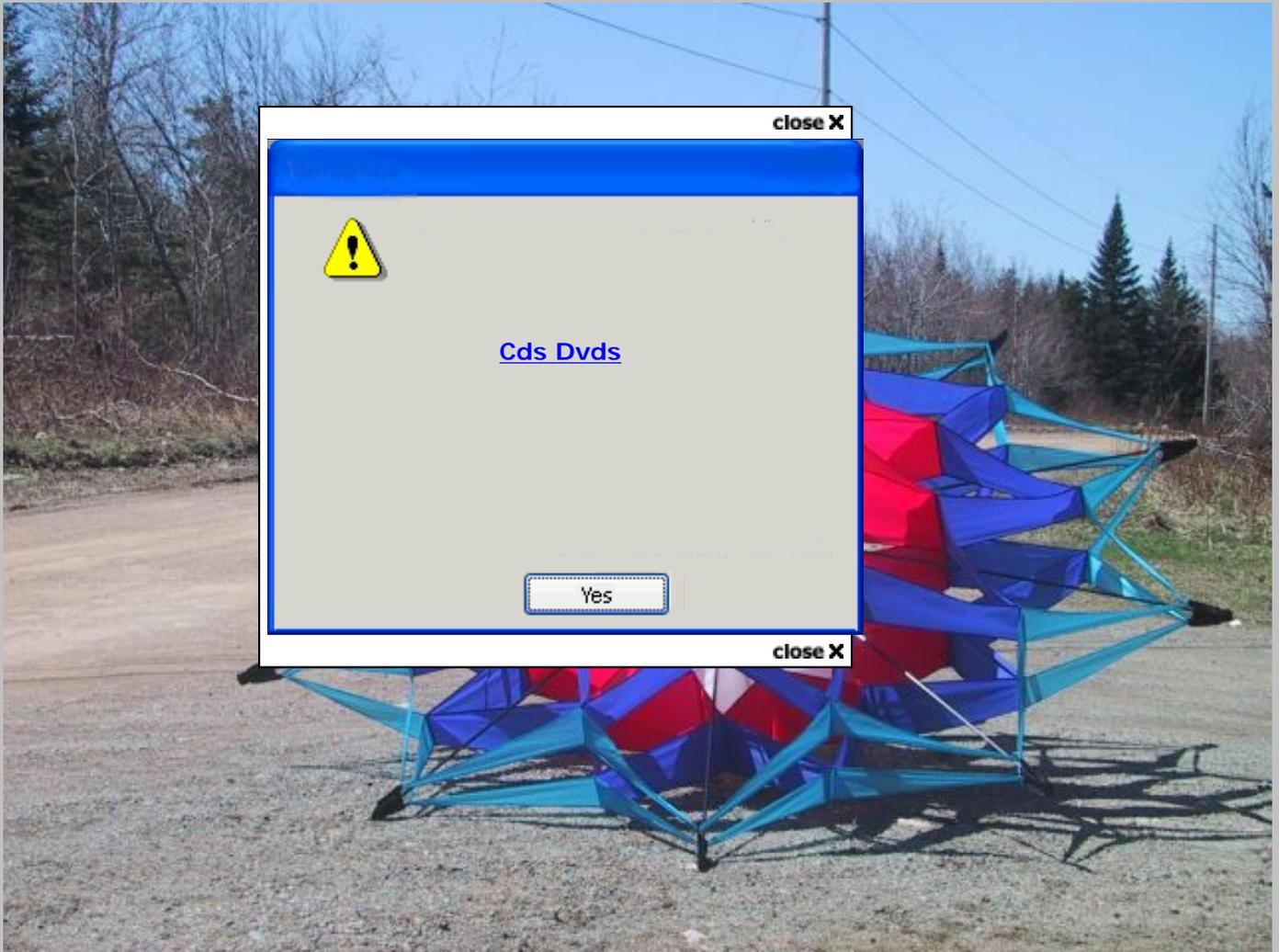
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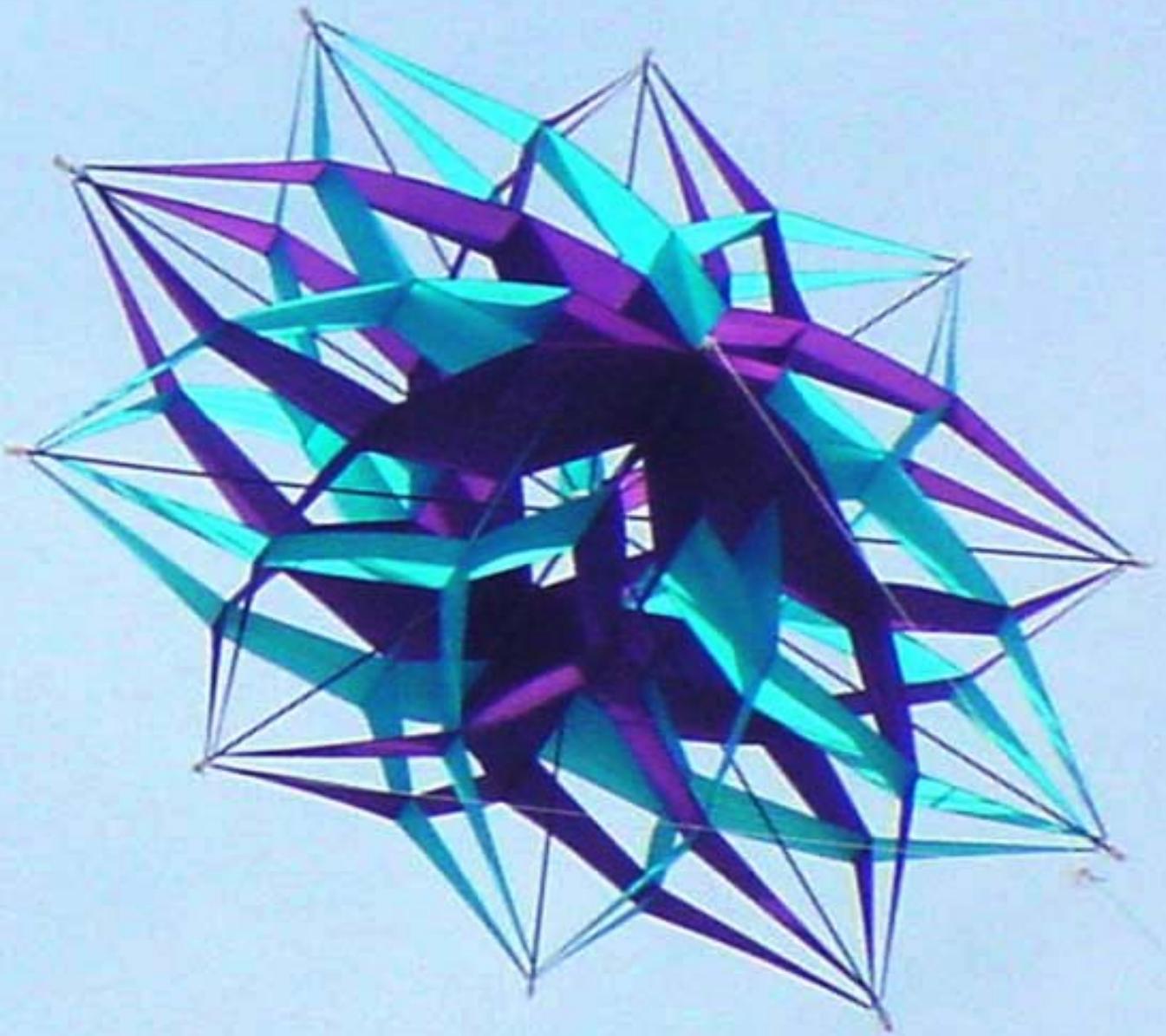
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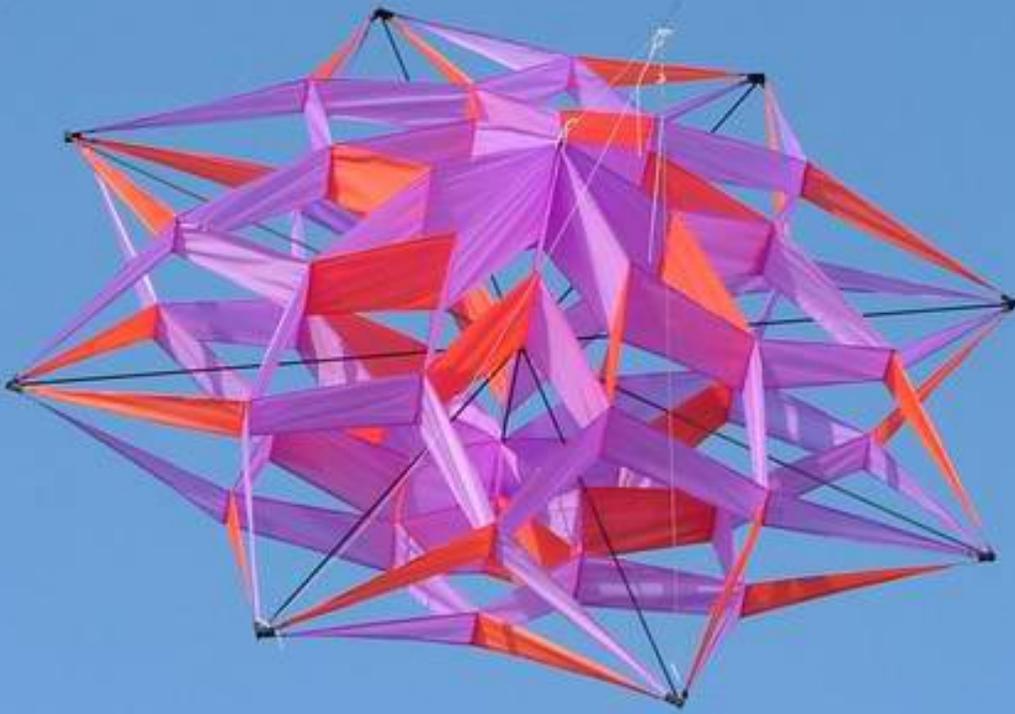
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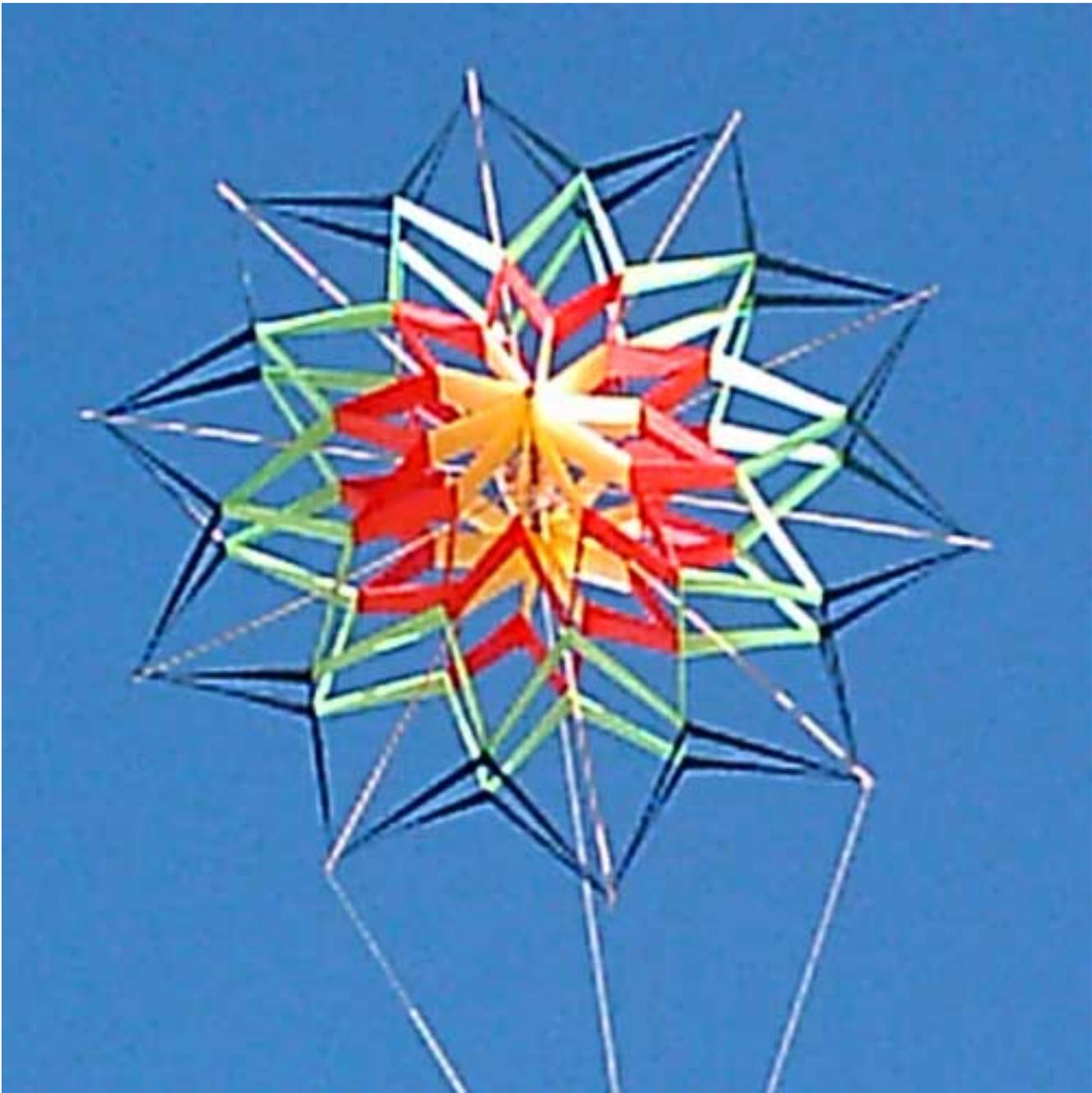
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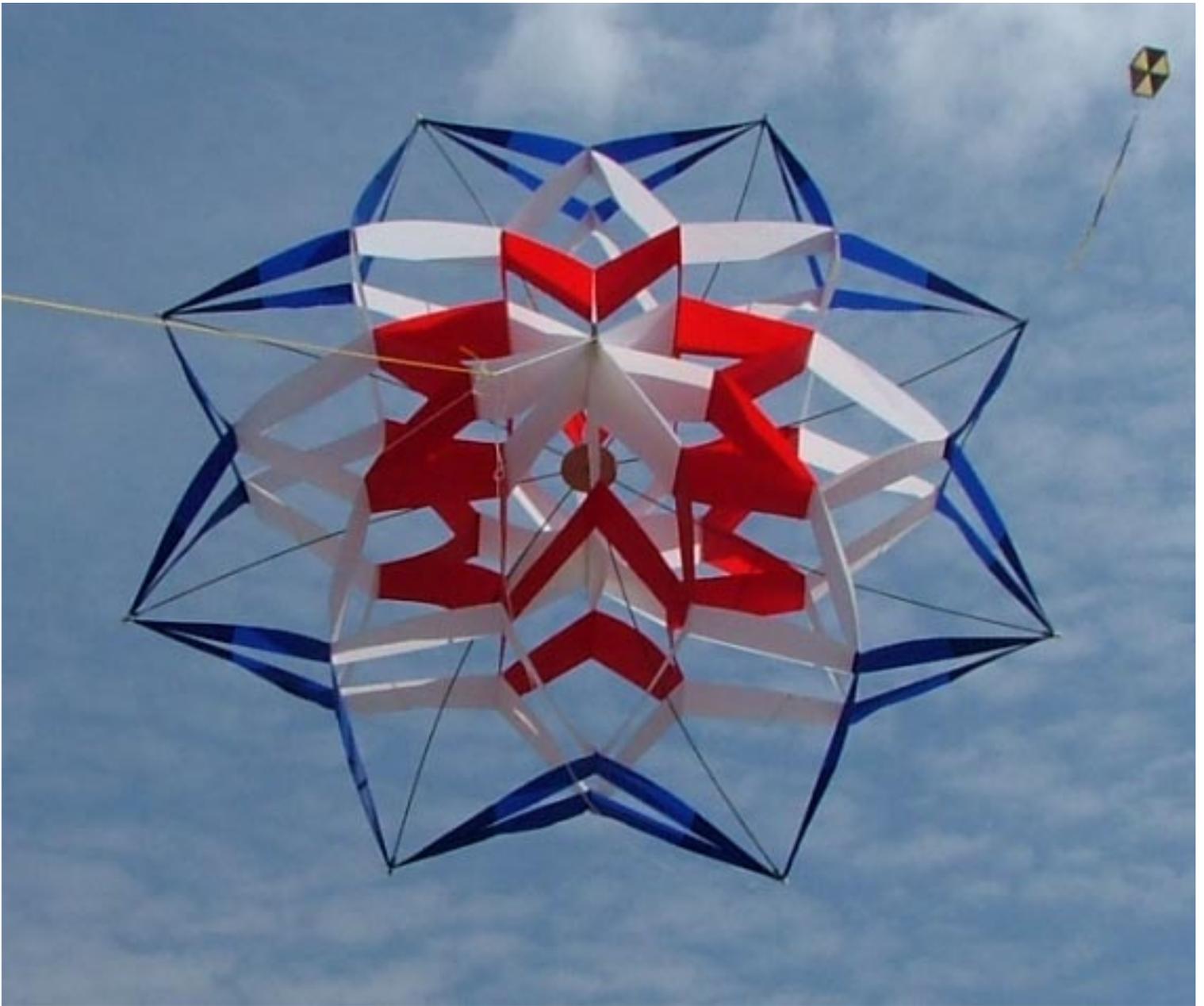




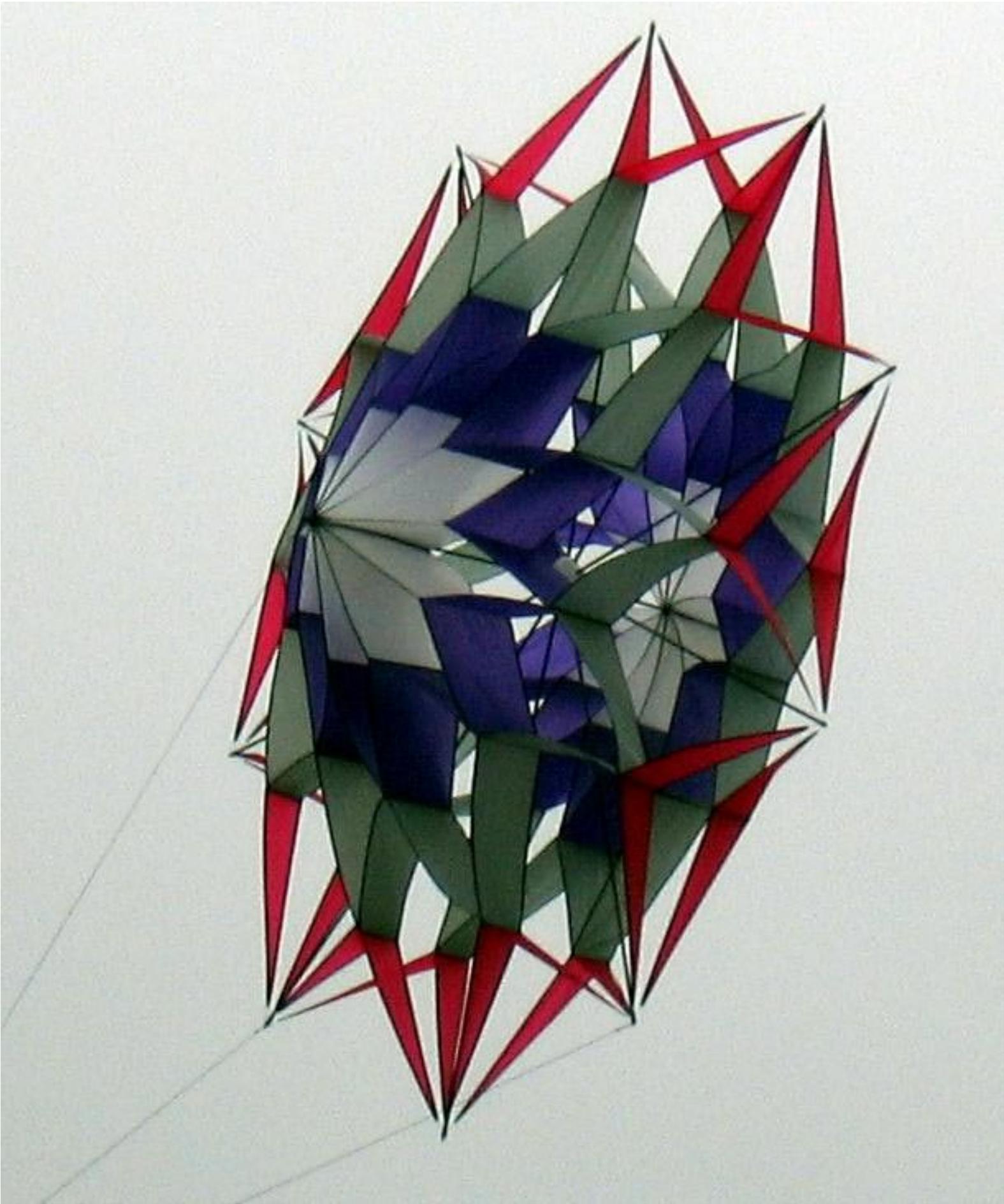


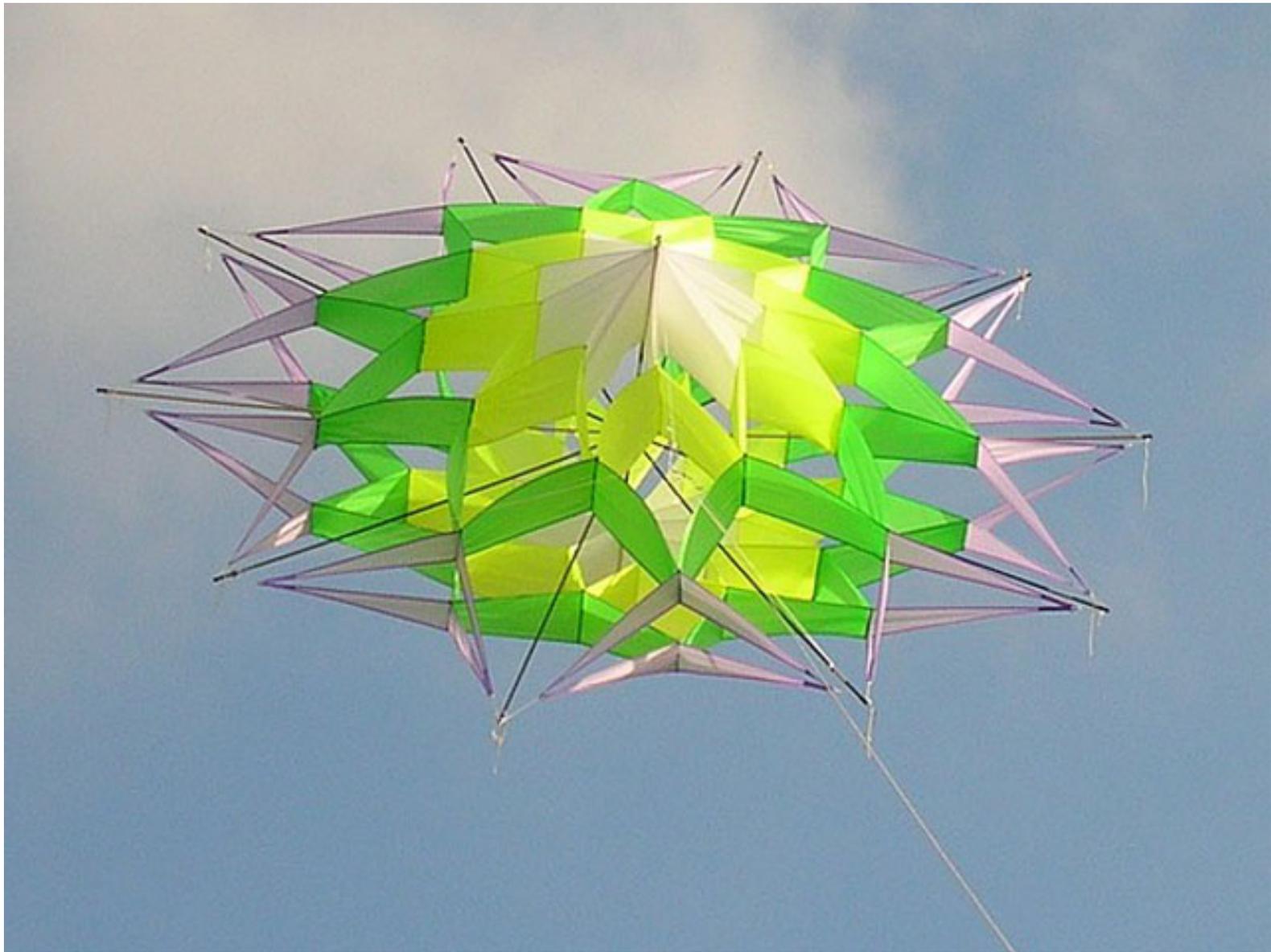


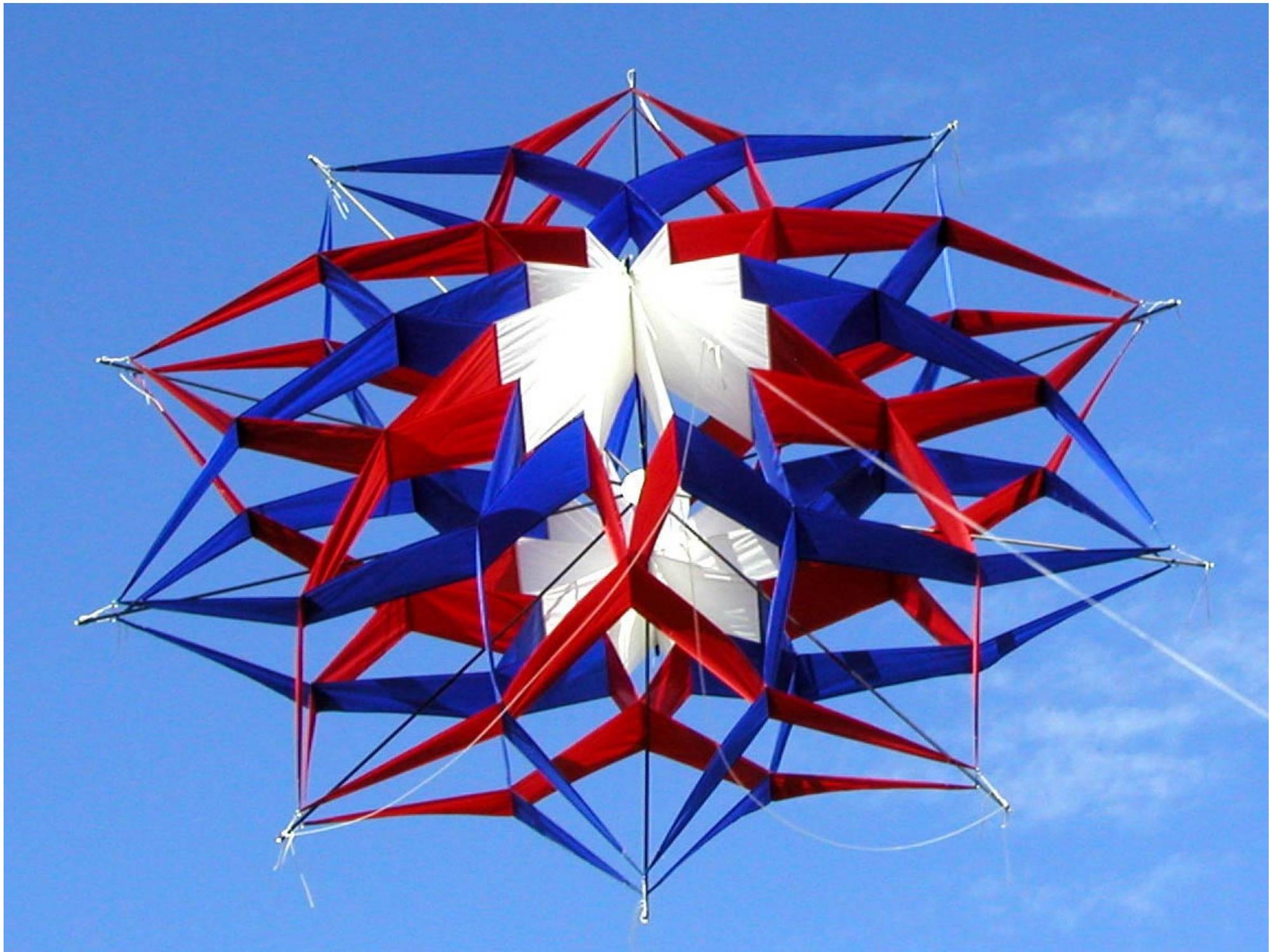


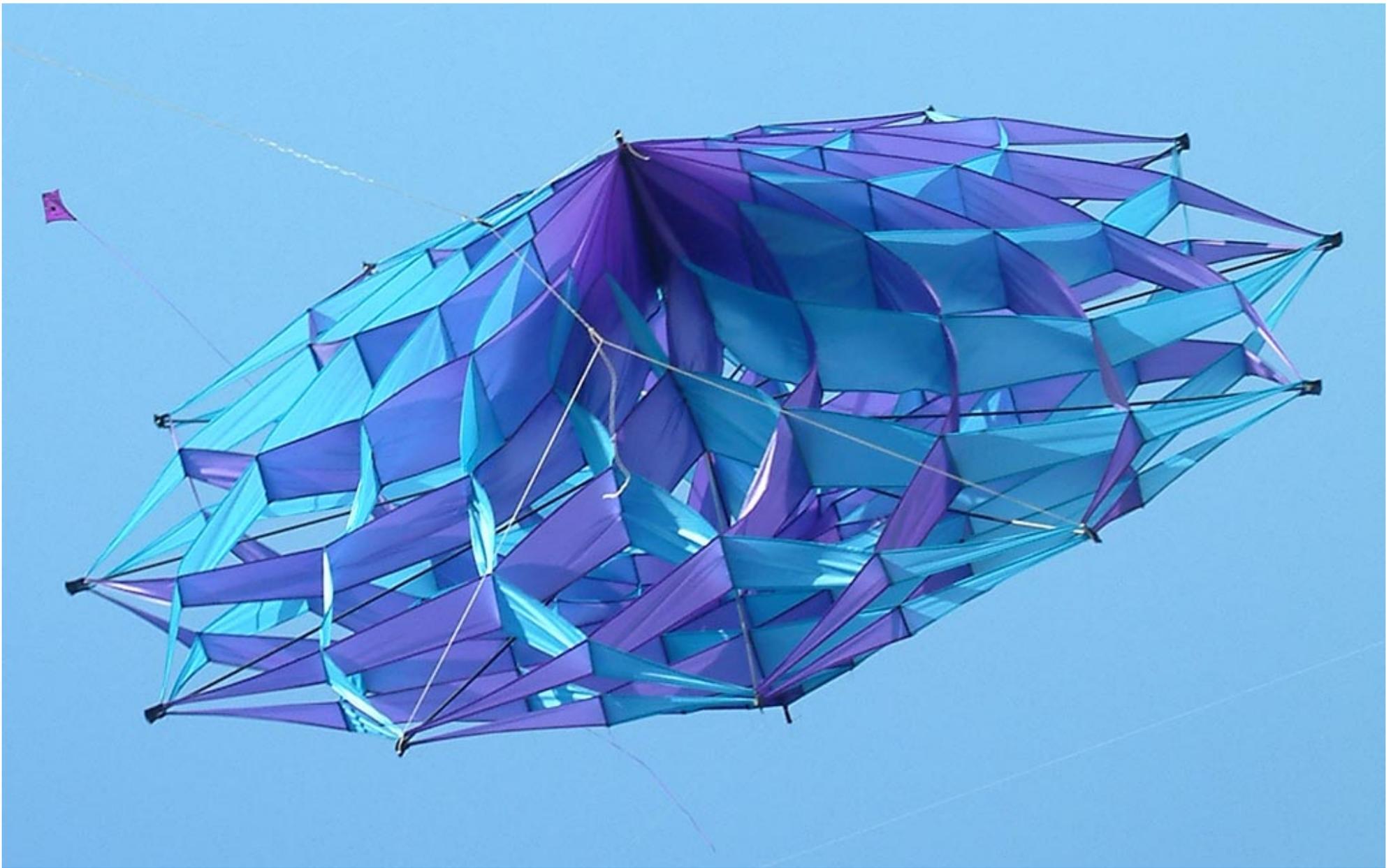










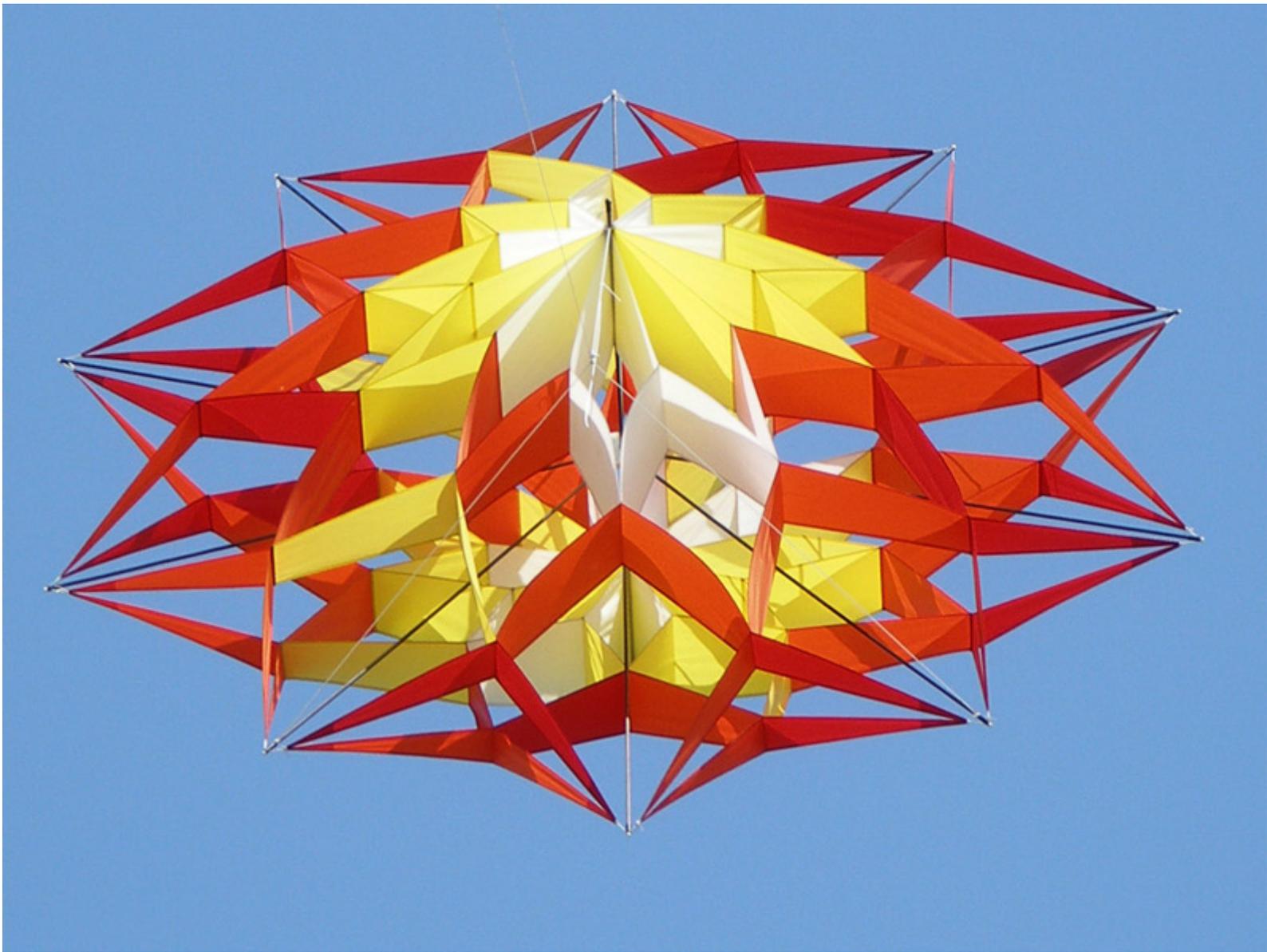
























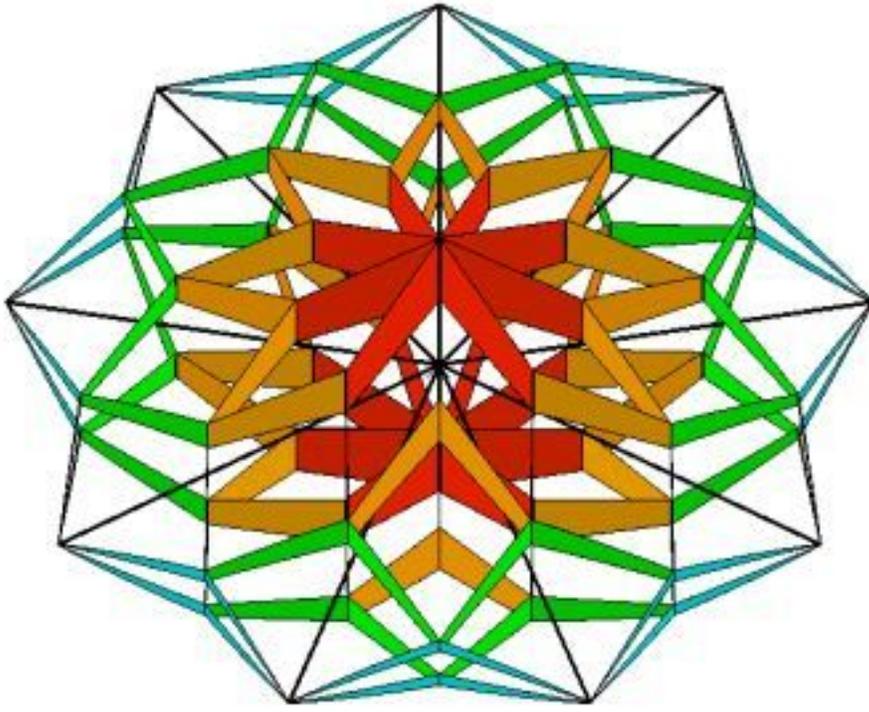


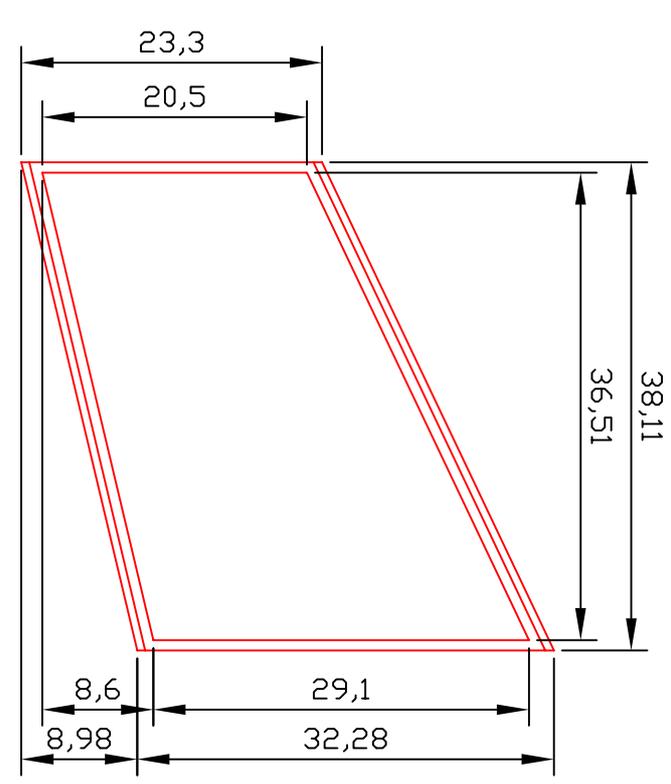
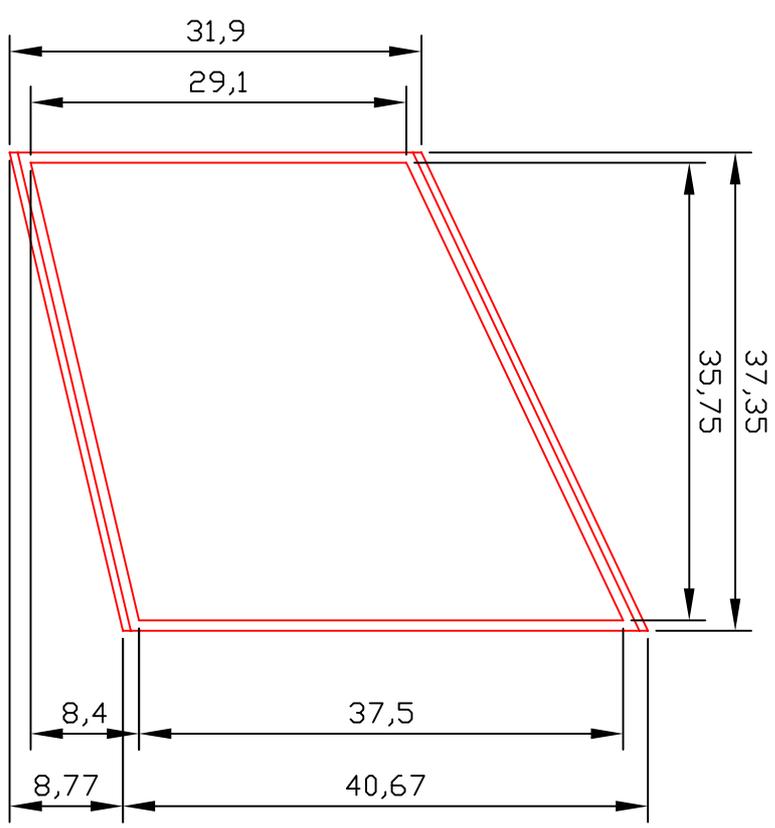
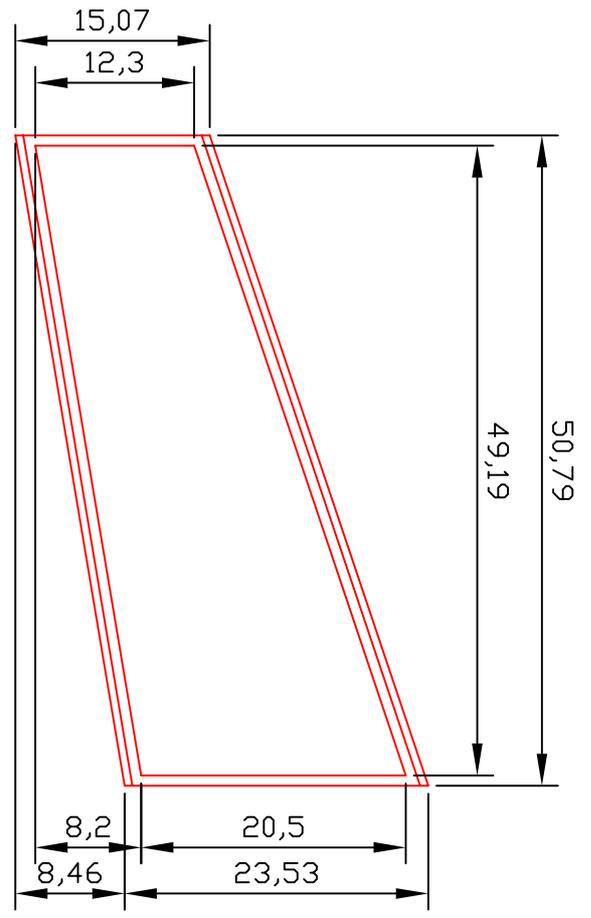
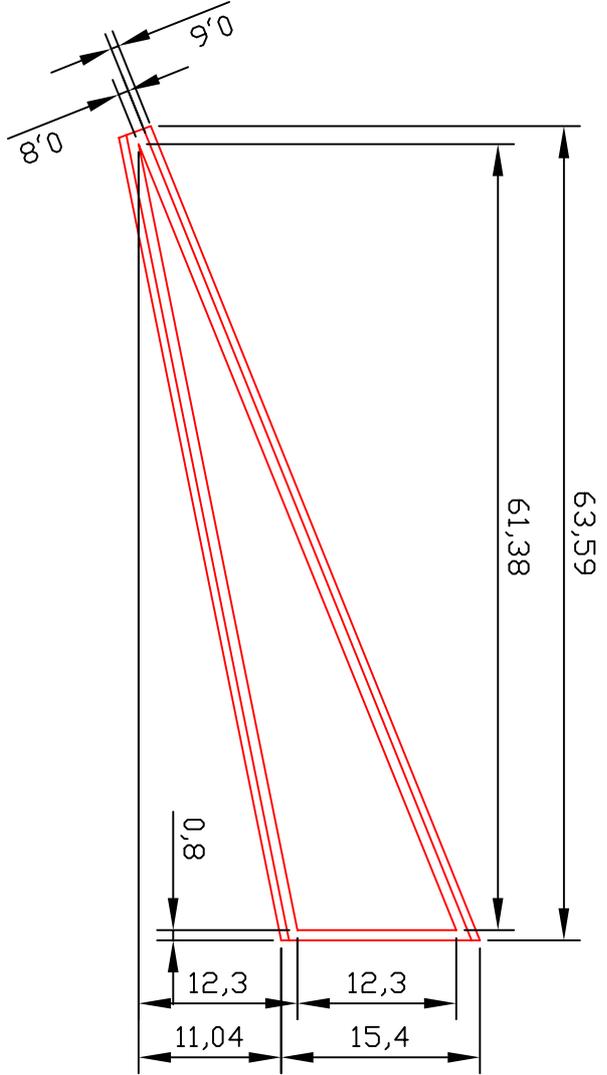


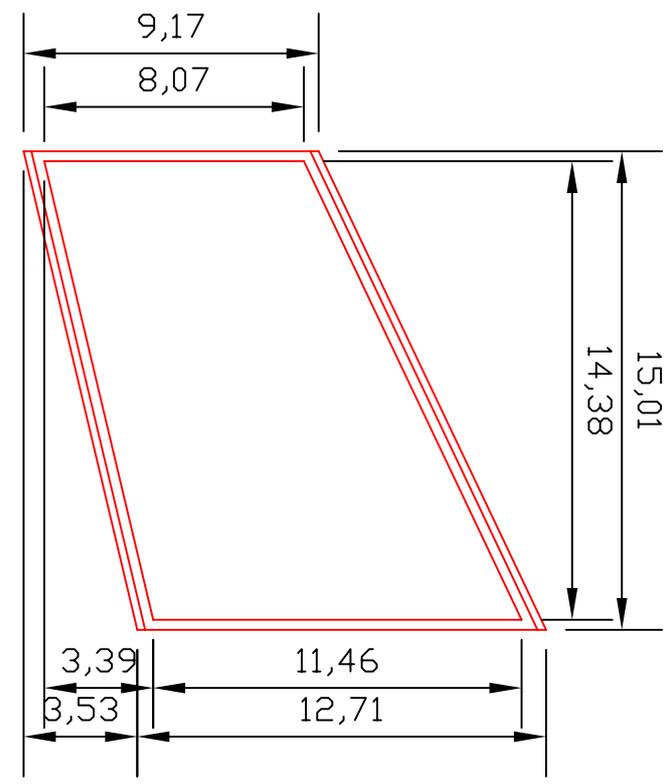
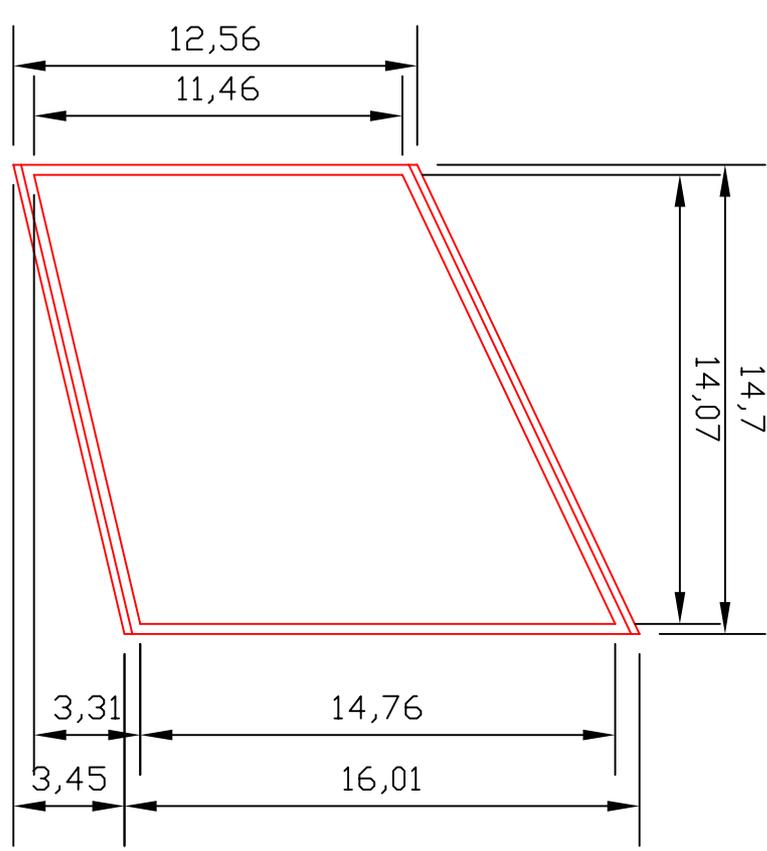
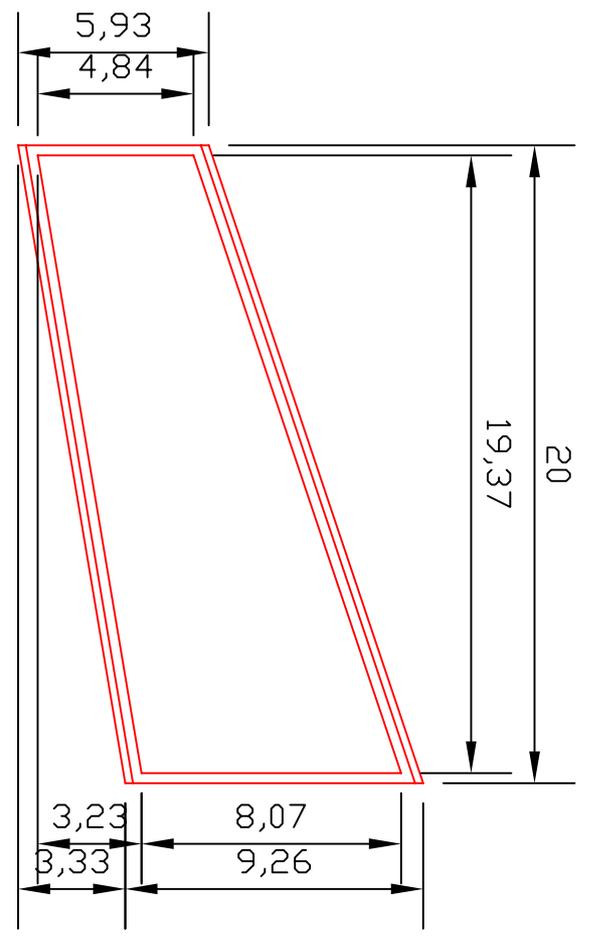
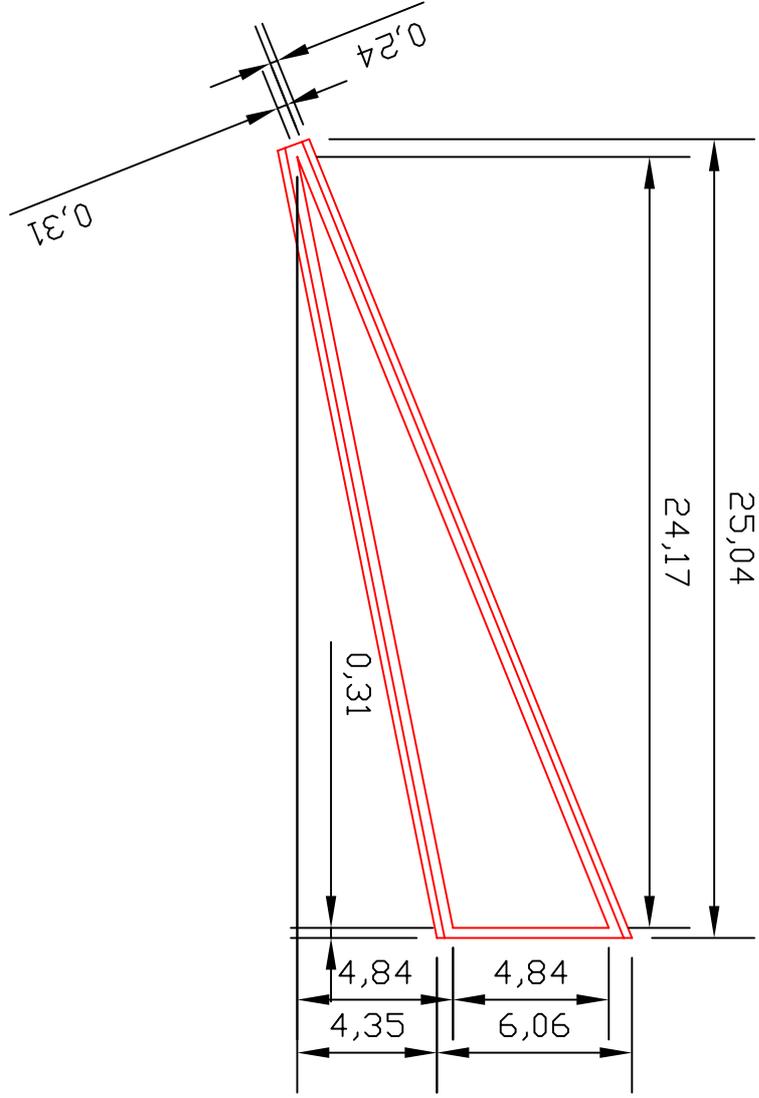










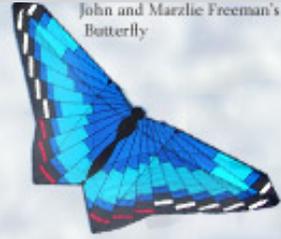






# Steadywinds.com

John and Marzlie Freeman's  
Butterfly



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## Dieppe Kite International 2005

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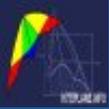
CJQ, GrantL and wdrwilson double stars.

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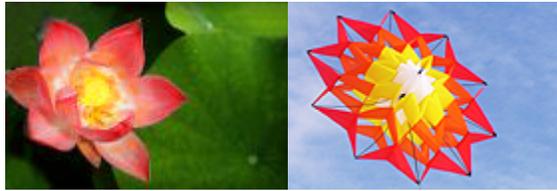


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Gibt es eine bessere Art, Sterne vom Himmel zu holen, als diejenige mittels einer Drachenleine?! Wohl kaum. Deshalb verwundert es auch nicht, dass Sternförmiges in den unterschiedlichsten Ausprägungen unsere Drachenhimmel bevölkert. Der hier vorliegende Sterndrachen von Wolfgang Grimsel (Fa. Colours in Motion) trägt mit seinem stolzen Namen und seiner interessanten räumlichen Gestalt jedoch nicht schwachen Lichtschein sondern pralle Blütenpracht ans Firmament...



## Lotus

10-strahliger Sterndrachen der Firma Colours in Motion; solide verarbeiteter Drachen mit bezaubernder Optik; 120 Segelflächen aus Spinnakernylon, Gestänge aus 4mm Fiberglasstäben und einem, die Waage aufspannenden, 6mm Karbonstab; ein munter tanzender aber stets zuverlässiger Flieger, der bei jedem Publikum Beifall findet. Eine stattliche Erscheinung mit 150 x 150 x 60 cm mit einem reisefreundlichen Packmaß von nur 75cm. Lieferung ohne Anleitung (s. unten) in einem Nylonköcher mit ca. 50m Schnur auf einem einfachen Handgriff (empfohlene Bruchlast der Flugleine: 65 kg)

**Preis:** inkl. MwSt. **79,- €**

Zubehör gleich mitbestellen:

Wir empfehlen unser **Schnurset für Einleiner: 100m Dacron, 65kg** Tragkraft, flugfertig mit Wirbelkarabiner auf einer Ringspule und **Kitefix, unseren kombinierbaren Spezialbodenanker** für nahezu alle Böden und Drachengrößen

#### Details:

Die Befestigungsmethode des Gestänges an den Spitzen des Sterns ist nun (ab dem Modelljahr 2005) sehr haltbar und praktikabel gelöst (... bei Vorgängermodellen gab es hier eine Schwachstelle...)

#### Zum Aufbau:

Auf dem zentralen Mittelstab befindet sich ein massives, rundes Verbinderteil mit 10 gleichen Löchern, in die die Spannstäbe eingesetzt werden, über deren Splittkappen die Verbindungsleinen zwischen den roten Segelspitzen eingehängt werden (mittleres Foto re.).

Der zentrale Mittelstab ist in einer Stabtasche, an der sich der zentrale Waagepunkt mit der fest angebrachten Waageleine befindet, die zu dem einzig dickeren (6mm Karbon) Spreizstab führt. Beginnen Sie den Aufbau mit diesem dickeren Stab an der Waageleine. Achten Sie darauf, dass die Waageschnur vom Mittelpunkt genau in die Richtung dieses dickeren Spreizstabes zeigt (das ist im Flug die Strebe vom Mittelpunkt zur untersten Sternspitze, die den Druck der Waageleinen aufnehmen wird (vgl. große Fotos ganz oben)).

Danach setzen Sie die übrigen 9 gleichen Spreizstäbe ein, um das Segel aufzuspannen und befestigen die Flugleine an der kleinen Schlaufe der Waage so, wie auf der Skizze rechts dargestellt, fertig.



KITE'ART



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