

it is lifted to line stretch if not done evenly. Not such a problem with F111 canopies as they hold the pack job shape better, but with ZP it makes a difference. With my Multi I get nice consistent on heading performance from my ZP top skin FOXs.

The idea was to build a dedicated low freefall canopy but one that once open would still out fly mountain taluses and flare acceptably. This canopy could be made to open / quicker but I need a balance between opening and flight

I also had APEX build me 2 dedicated PCs. A 48zp and a 52zp, both built with less reinforcement tape. The aim being to lighten the top skin of the PC's thereby enabling them to inflate quicker in lower airspeeds. These PC's will deteriorate and lose there shape in less jumps and will not take the forces involved in high airspeed openings, but they were not built for that use. I do not believe vented PC's are a good idea for very short delays as I believe all the air entering the PC should be trapped inside it and used to inflate it. These vents are used mainly to help stop osculation, if the PC is centered on the bridle and launched directly above the jumper the osculation is minimal.

Over the last year I have Freefalled 26 times from the same 173ft E with another 3 from a lower 160ft exit point on the same rock and a 1 sec delay off the Top exit at 190ft. I also have 1 freefall jump from a 143ft S.

Over Those 30 Freefall jumps I have noticed that the biggest variable in altitude used to gain an open flying canopy has been in the time it takes for my PC to inflate. This then directly relates to the time it takes for my pins to be pulled and my rig to deploy.

When Freefalling below 200ft I no longer jump and pitch the PC horizontally to the side as I do on higher jumps, I use one of 2 techniques:

The first and the one I have used the most is to pitch the "S folded" PC, normally a 48zp vertically up to bridle stretch using an under arm pitch. The PC is thrown as my second foot is leaving the object. For this I have always used a 9ft bridle. The aim of this pitch is to get the PC to bridle stretch vertically above me, just as I start to descend and therefore have the PC roll over and inflate as the tension comes on the bridle. This is where I have seen the 30ft variable. When it works well my pins are pulled just as the PC passes the exit ledge, but 1 jump in 10 my PC snivels past the exit ledge and fails to pull my pins for up to another 30ft. When Freefalling my set up from 173ft a 30ft lower opening still gives me a flared landing. But to come lower this variation needed to be minimized.

The second technique I have used is to wave the PC to pre inflate it and exit just as it reaches the top of its up stroke. If a 9ft bridle is used here the PC although left preinflated has a tendency to roll over and deflate before the tension from the bridle comes on it and it then takes time to reinflates it after the bridle has gone tight. To over come this I have started to use a shorter bridle when perinflating my PC.

For my low freefall jumps I close my rig with my bridle routed first to the bottom pin and then to the top pin. My exits on these jumps are very head high and this routing is therefore more logical to me. It also keeps my bridle away from any snag hazards like getting caught under the bottom of my container. My pins are well primed with low tension on the CYPRES material closing loops. My pin cover and riser covers are all open. The aim is to have the pins only just holding the rig closed. The short bridle is set so with my PC attachment point in my hand at full arms stretch my bridle has just 2 inches of slack between the attachment point and the top pin where it exits the rig. With this set up I hold the PC in 2 fingers by its attachment point and wave it up and down 2-3 times. The exit is timed when I am happy the PC is fully inflated and approaching the top of its arc. I just step off below it.

I know a 9ft bridle was designed that way to keep the PC clear of the burble, but in lower airspeeds the burble is considerably shorter and I use a Multi bridle attachment so as soon as my pins are pulled I gain nearly 3ft of multi bridle before my canopy is lifted from the pack tray. I free stow my Multi, meaning I use no rubber bands to stow it, I just S fold it on top of the canopy as I close. I also prime my Multi Velcro so that the sheath is barely held in place.

Also consider how you unstow your breaks and what your off heading procedures will be. It has been talked about on here a lot, but remember if you decide to unstow your break when you are low to the ground, the faster and more you let them up the more your canopy will surge forward and dive. Learn to unstow them but with out changing the amount of breaks your canopy is flying in, then let your breaks off slowly until it is time to flare from what ever position you reach. At 173ft I rarely get the canopy to full flight, it is much more normal for me to only reach half breaks before I flare from there to land. Small heading corrections can be made by letting you breaks up unevenly. There are times when I am too low and the only option is a gentle rear riser flare and accepting a rolled out landing. Preplan your off heading procedures. On the objects I have been jumping I decided it is better to strike the object with a little equal rear riser input and slide the short way to the ground, than it is to toggle or rear riser turn the canopy into the floor. All I am saying is think it through before the jump and don't just react the way you would when opening on your higher objects you could make things worse. I corrected a 90L with a little too much input off the 173ft E and ended up flat on my back in the Talus Think your options though before hand.

Body armour? Your jumps your choice, but I have hit the talus 4 times off that E.

- 1) Bad body position.
- 2) Brakes set too deep, opening stall never corrected,

3) 90L over corrected on risers,

4) unknown 90L from the 160ft exit, where I hit the talus 120ft below the exit point diving the canopy after releasing too much breaks to try and drive clear of it.

So far I have kept walking away mainly thanks to my armour.

There are 2 videos posted on the U-Tube site at:

http://www.youtube.com/321cyaba

The first is my modified FOX 245 Freefalling from a S I lasered at 143ft. It is set up as described above including the short bridle and you will notice me preinflate the PC before exit. I do not unstow my breaks but use a little rear riser flare and role the landing. There is about 2mph tail wind blowing under the S

The second is a compilation of footage of me jumping the 173ft E. The first jump the offheading was caused I believe by bad body position. It was my first freefall at the height all I get to do is stop the turn on rear risers and flare a little before impact. Then there are various jumps. The Black canopy is my FOX 265, The Red canopy is a FLICK 280, The Yellow canopy is a FLICK 242. All these jumps you see me throw the PC up on exit. The last 2 jumps are different angles of one jump. The Blue canopy you see is my Modified FOX 245 and I am jumping a 48zp PC on my short bridle, but instead of preinflating it I lay it over my hand before exit. That worked beautifully for the jump in the video but hesitated on the second attempt. That is when I started preinflating the PC.

I only have 30 Freefall jumps below 200ft, a lot of them were solos with no video evidence and therefore a most of what is above is based solely on my feeling of how the jumps went. Any questions are welcome PM me or email me or reply here, but please do question everything before you freefall low objects and if you do work your way down slowly. Anything you can add or disagree with please feel free.

Don't not just go and take your normally packed rig and go and throw a 173ft exit point. I have heard of it working but the outcome may not always be so favorable.

Greeny

Very very informative Thanks for posting

The administrator has disabled public write access.

#6594

Re: Low Freefall My Thoughts 2 Years ago

Karma: 0

Zoter44

Gold Contributor

Posts: 214

OFFLINE PROFILE

The administrator has disabled public write access.

#6595

Re: Low Freefall My Thoughts 2 Years ago

Karma: 0

Platinum Contributor

Gus

Great post Greeny, you make the rest of us feel like little girls. Well me anyway.

When you say this:

This canopy could be made to open / quicker but I need a balance between opening and flight

Posts: 332 OFFLINE PROFILE

What else could be done to make it open quicker? And what affect would that have on the flight?

I've experimented with the 'upwards pitch' a little bit and I've found it to be quite variable in how effective it is.

The administrator has disabled public write access.

Gus

#6596

Great posting Greeny. Those videos really backed up what you were saying in your posts. Platinum Contributor Posts: 329 OFFLINE PROFILE The administrator has disabled public write access. #6598 Faber Re: Low Freefall My Thoughts Karma: 0 2 Years ago Hey Greeny You say you have special modifyed Pc's with less reinforcement tape,I do understand as you freefall as low as 143(now that were awsome, first i thourgt it were the other S which is 100ft higher (29). Platinum Contributor But jumping off 200-170ft why not simply use a smaler PC?I know it works as i use a Apex 46'av zp pc freefalling down there, mail me at base850 AT stofanet DOT dk to see video,i would say that off 180ft i guess(will speak to Nikolaj that recorded your cliff jumps) i Posts: 353 get a longer flight(magnificent longer). OFFLINE PROFILE I however use shallow brakes on my flik 266 vtec and fox 265 vtec as i freefall low stuff,i want my canopy to start flying(not too fast) so i got speed in case i get a hesitasion(i cant figure how) i still have lift to flare on my rear riseres.. Is this a old post? i thourght you had far more than 30 sub 200ft freefalls.. The administrator has disabled public write access. Faber/BASE850 Quote: Faber is to English, like a Pork Pie to an Islamic fundamentalist! #6600 Karma: 0 sabre210 Re: Low Freefall My Thoughts 2 Years ago Hey Ralph Very interesting post. Thanks. Platinum Contributor A quick question. Assuming you were forced to borrow a regular set of gear for your weight(non modified canopy, no special bridle Posts: 745 and a standard 46 vented f1-11 PC) would you still be comfortable freefalling sub 200ft using just the techniques you have learned (as OFFLINE PROFILE opposed to techniques AND specialised equipment). And going further, assuming you started gaining a bit of weight (those supersized US meals take their toll) and were forced to up-size to larger canopies, what altitudes in your experience would you set as cut offs for say a 285 and a 305. I have NEVER freefallen sub200 for many of the reasons you stated in your post: heavier canopy (troll322, flik305 or ace310) requires more effort to lift from the tray, longer lines on the canopy, more air required to inflate and of course me being significantly heavier which requires more slowing down = time to deccellerate. These factors combined have always appeared to put me significantly below the opening height of others from the same altitude so I set my limit for freefalling conservatively at 220. I'd be keen to hear your thoughts. Mucho Respect ian The administrator has disabled public write access. -Page: 1 2 3 **Board Categories**

Meeker

Karma: 0

Re: Low Freefall My Thoughts 2 Years ago