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North Rebel Kites-For an amazing Kitesurfing experience! by [Stamos John](#)

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The reduction from three segments to just one segment in the span between tip and quarter struts is the change in geometry that is shared by all North Rebels. Over the years, this is an idea North have tested and revisited but upon the right way to do it, only now have hit.

North knew that having too few segments through the centre part of the kite from testing, and from observing some other kites on the water, on the profile shape of the canopy, there are many undesirable effects due to the part that has the most curve in the arc. Therefore, through the middle of the kite, North knew they didn't want to use single-segment geometry. However, the single segment approach makes sense as due to their resistance to flapping and fluttering nearer the tips, where the arc of the kite is normally not so curved and where flat, canopy profiles are desirable.

Canopy tips that are cleaner, less dreggy and nearly flutter-free are given as a result of this use of single-segment geometry. In sizes 9 to 12, the other change in overall geometry can be found. Found in Rebel sizes 14 and 16 in those sizes we carried over the geometry. To overflying and nose-diving in those sizes the result is a crisper feel, better depower and greater resistance.

With any 5th line control bar providing the depower line is more than 45cm long this simple yet high performing kite can be used.

They reasoned that flatter profiles, which are less when sheeted in, might be the way to go since North were looking for softer, less aggressive- feeling small kites. A softer feel is given by a 7 percent reduction in profile depth at the canopy's centre and giving an even a further reduction of about 8 percent. Interestingly, in less low power, this overall 15 percent reduction in profile depth did not result.

For the back pigtail most obvious is the change to a V attachment. This has two main advantages: (1) as far as bungee design is concerned, it permits a better, cleaner re-launch and (2) when the bar is pulled in for maximum power, it gives a more solid bar feel.

In nose line attachment is the other line change. From the nose line, less structure is used through testing showed that the new North Rebel with its extra rib and consequent greater structural stability. This way kitesurfing enthusiast can enjoy this sport to a considerable extent.

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