



Deland, August 14, 2023

To whom it may concern:

Re: Evolution of the Sigma Main Canopy Slider

In 2012, The Sigma 340 and 370 slider designs were updated to address rapid wear that was an unforeseen side effect of shifting to Vectran lines on the Sigma main canopies. The rapid wear issue was corrected by maintaining the grommet-to-grommet distance of the previous slider but reducing the amount of fabric in the dome of the slider. This reduced the slider interaction with the lines during flight. However, after many years of use in the field, there have been instances of customers reporting fast and/or hard openings.

Using feedback from the field, we have had an ongoing product improvement project for Sigma openings. The most successful design is our newest slider offering. It has the same aspect ratio and square corners to keep the slider out of the lines during flight but increased the slider span length 4 inches and increased the chord length by a factor that maintains the aspect ratio. It also has a corrected dome seam path, 2-layer ZP, and has a third channel down the center due to the increased span.

This slider design is now standard on new Sigmas, has thousands of jumps in the field, and has been shown to improve openings on problematic Sigmas.

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INFO-001 Rev 0

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