



Extractor Pilot Chute Technical Information

Innovation In The Details

Shape Design - Reengineered

We modernized the 3D inflated shape, giving more definition to the curved top skin and maximizing performance. On our Wingsuit Extractor, we placed our mesh ring inboard to allow for more efficient airflow out of the pilot chute and prevent airflow interactions. This allows for more even outward lift vectors on all sides of the pilot chute and causes the pilot chute to actively 'fly' throughout its own pressurization. The result is consistent, steady anchoring of the pilot chute, increased resistance, and a repeatedly symmetrical extraction.

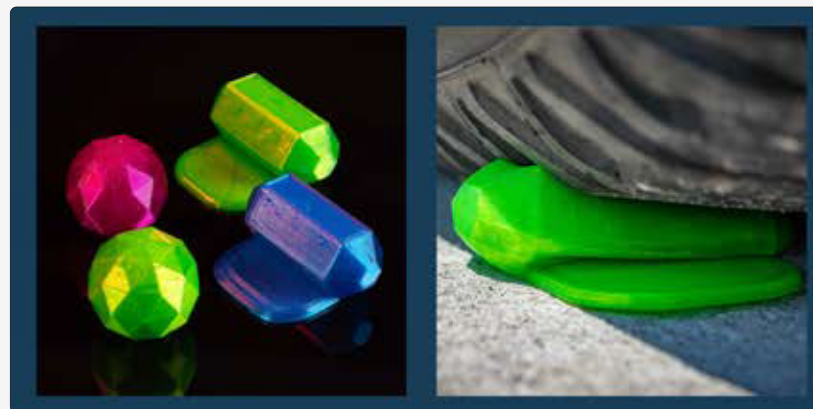


Pull Forces - How Much? How Long?

We noticed above-average opening shock between the extraction and inflation components of openings. In slow motion, many pilot chutes stayed inflated a fraction too long. The problem there was inversion timing – the traditional pilot chute was still 'active' during the initial inflation of the canopy, translating the load to the user. Our solution was to lengthen the mesh fabric at the bottom end of the Extractor. We simultaneously added extra length to the kill line and fully enclosed the bridle to prevent any canopy burn upon opening. Afterwards, the inversion timing became ideal – the moment the lines were at full stretch and canopy out of the deployment bag, the pilot chute inverted and stopped flying. This effectively negated the increased 'yank' feeling skydivers experienced as their canopy began to inflate. As a bonus, the extended kill line length meant more use prior to noticeable shrinkage of the kill line.

Rugged Handle - Modern and Practical

Our new Flex Handle is pliable and nearly indestructible. Using an elastomeric polymer, we designed an ergonomic handle in both a hackey and a tab style. We tested the handles by throwing them forcefully, running them over with vehicles, and even giving them to a Great Dane to chew on. In all cases, the handles survived unscathed.



Freefall Extractor

Regular	Large
26-28 in	28-30 in

Wingsuit Extractor

Regular	Large
28-30 in	30-32 in

* Values Represent Nominal Diameter Sizing

The Extractor provides tangible solutions.
It excels at its purpose and makes us proud.