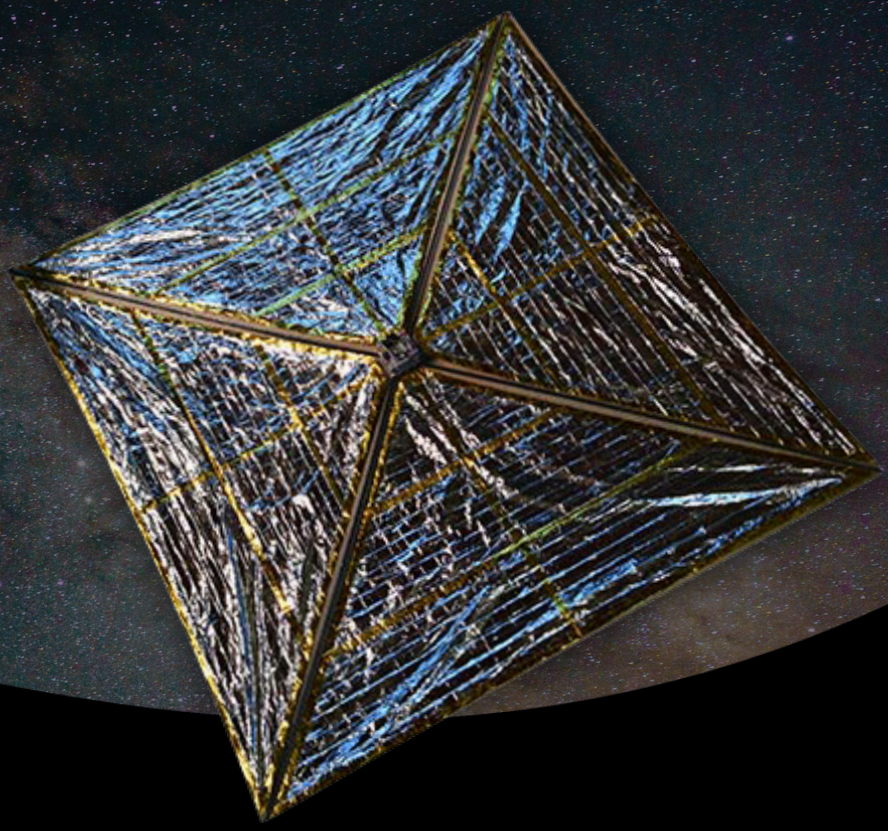
VESTIGO AEROSPACE

SPINNAKER DRAGSAILS

Preserve the Future
of High Value Orbits



WHAT IS A DRAGSAIL?

A dragsail is a thin-film membrane, deployed by a set of lightweight booms. Once deployed, the dragsail provides a large surface area, and accelerates the deorbit of the host vehicle using aerodynamic drag. The Spinnaker product line of dragsails provides a low size, weight, power, and cost (SWaP-C), reliable approach to accelerating the deorbit of small satellites and launch vehicle upper stages.

DEORBIT DURATION CALCULATOR

Find out if your satellite meets FCC 5-year deorbit requirements and see which Spinnaker dragsail model is right for you.

VestigoAerospace.com/Deorbit-Duration

+1 818-928-9964 | 1434 Foothill Blvd, Suite B | La Cañada Flintridge, CA 91011 | **VestigoAerospace.com**

SPINNAKER SUMMARY

	Spinnaker1	Spinnaker2	Spinnaker3	Spinnaker4	Spinnaker5
Mass	1.0 kg	6.4 kg	6.7 kg	7.3 kg	8.0 kg
Stowed Dimensions	10 cm x 10 cm x 10 cm	20 cm x 20 cm x 20 cm	20 cm x 20 cm x 20 cm	20 cm x 20 cm x 20 cm	20 cm x 20 cm x 20 cm
Deployed Dimensions	200 cm x 200 cm x 10 cm	400 cm x 400 cm x 20 cm	600 cm x 600 cm x 20 cm	800 cm x 800 cm x 20 cm	1,000 cm x 1,000 cm x 20 cm
Boom Length	1 m	2 m	3 m	4 m	5 m
Frontal Surface Area	2.4 m^2	8.6 m^2	18.8 m^2	33.1 m^2	51.4 m^2
Host Power	5V	28V ± 6V	28V ± 6V	28V ± 6V	28V ± 6V

ADDITIONAL INFO

Electrical Interface
15 Pin Micro-D Connector

Data Interfaces
I^2C and RS-422

Mechanical Interface
Four Bolts On Mounting Surface

Power Source
All Spinnakers Can Deploy Using Host Power or Internal Batteries

INTERESTED IN LEARNING MORE ABOUT SPINNAKER DRAGSAILS?

Contact Us: Info@VestigoAerospace.com

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