

Quantum Series Parachutes:

History: Quantum Series parachutes were developed in 1993 in response to problems encountered by pilots due to the failure modes of the more efficient hang glider wings. Thanks to the incredible work of Bill Gargano, the revolutionary round airfoil shape was born.

Design: The Round Airfoil shape of the Quantum Series produced a parachute that not only utilizes the traditional drag of the canopy, but also gives 360 degrees of lift. This lift is angled in such a way that the inflated parachute is trying to fly away from itself. This accounts for the tremendous stability characteristics of the Quantum Series parachutes as well as the slow rate of descent.

Testing: Designed and tested to meet the rigorous standards of the Parachute Industry, the Quantum Series represents a new generation in parachute technology.



Size	QS 330	QS 440	QS 550
Square footage & Max weight	330	440	550
Weight without Deployment Bag and Bridle	4.25 lbs	5.25 lbs	6.75 lbs
Weight with Deployment Bag and Bridle	5 lbs.	6.2 lbs	7.4 lbs.
Line construction	Spectra spliced with nylon cord	Spectra spliced with nylon cord	Spectra spliced with nylon cord
Radial Seam Reinforcement	3/8" nylon tape	3/8" nylon tape	3/8" nylon tape
Center Line Material	Tubular nylon webbing	Tubular nylon webbing	Tubular nylon webbing
Skirt and Apex Reinforcement	Kevlar Tape	Kevlar Tape	Kevlar Tape
Bridle Material	Type 25 nylon covered with UV resistant cloth	Type 25 nylon covered with UV resistant cloth	Type 25 nylon covered with UV resistant cloth
Canopy Material	Nylon ripstop sport chute	Nylon ripstop sport chute	Nylon ripstop sport chute

Bridle Configuration: For Paragliding use the QS parachutes use a 4-riser system. Two risers from each shoulder cascade into the parachute lines. This configuration shortens the distance for full parachute extension before inflation.

Deployment Bag Selection:

Traditional staged deployment bags assure a staged deployment sequence while protecting the canopy from premature extraction.

Diaper Deployment Bag offers the four-flap deployment bag option in a configuration that continues to stage the opening sequence while enabling quick canopy exit.

Parachute Container:

HES Four Flap parachute containers can be attached to your harness with the use of D-rings or side release buckles built into the parachute container

To select the best parachute for you consult the rate of descent chart:

Locate your launch weight on the bottom of the graph. Be sure to include the weight of your paraglider and all equipment.

Locate and check your rate of descent.

Locate your rate of descent on the Platform Jump height chart. This will give you an idea of the kind of impact you could expect of a standard day at sea level without any extra drag.

