

# FALCON DRS – Drone Recovery System

## FALCON



### DRONE RECOVERY SYSTEMS

*The DRS was developed to be able to recover Drones / Multicopters / UAV's and UAS in case of emergency's or during normal operation.*

During flight a Drone or other type of UAV can suffer a flight anomaly, loose contact, experience a battery failure or become totally uncontrollable by a failure or an outside signal. In that case the drone will crash uncontrollable, leading to the loss of the vehicle and all instruments it carries. Using a DRS however that can be actuated by the pilot or thru using a stand-alone system that detects that the Drone is in an emergency, can facilitate for a safe landing with minor damage to the Drone and the surroundings.

*Our systems have been developed since 2012 for weights between 1 and 150 kg and are;*

- Reliable
- Pyro or CO2 activation
- Lightest and smallest in the world
- Very effective thru special chutes
- Advanced materials
- Ease of operation
- Ease of re-usability
- Minimum amount of parts
- Use of multiple DRS possible



#### DRS Minimum Activation Altitudes;



Depending on type of DRS, our systems can safely recover from altitudes around 10 to 15 meters above ground level.

#### Types of DRS;

DRS Type	DRS WEIGHT Gram	DRS Dimension In mm	Maximum Drone Weight In kg 4,15 m/s	Maximum Drone Weight in kg 5,00 m/s
01	100	75 x 60	1,04	1,00
02	180	75 x 60	1,51	2,00
04	300	75 x 140	2,70	4,00
06	400	75 x 180	4,22	6,00
08	500	75 x 200	6,06	8,00
10	600	75 x 240	8,27	10,00
12	950	100 x 180	10,80	12,50
17	1200	150 x 200	16,83	17,50
25	1600	150 x 280	24,35	25,00
35	2000	150 x 340	33,02	35,00
50	2500	150 x 430	42,23	50,00

DRS Weight data and Dimension is an estimate depending on actual type of DRS.

#### DRS Engineering details;

Our basic DRS line of products ranges from 1 kg up to 50 kg, and in combinations they can safely recover Drones up to a weight of 150 kg. Our basic systems can be adjusted to the specifications of your Drone, or we can develop a system to your specifications.

*Contact us for further details or questions.*

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