

SOFTLANDING SYSTEM

TECHNICAL DATA



Operating weight range **40 kg-120 kg** (88 lb – 265 lb)

Device weight **23 kg** (50 oz)

Operating temperature **-45°C do +55°C**

Descent speed after activation **aprox. 1 m/s**

Minimum drop altitude **150 metres**

PRODUCT DESCRIPTION

The soft landing system is designed for the implementation of parachute drops of sensitive loads.

The operation of the device is based on an appropriate combination of a mechanical force generator with the dropped object and a parachute. In such a system, the generated forces are directed simultaneously at the parachute lines and at the object falling on the parachute. Due to the step nature of the generated forces acting on the parachute, its aerodynamic resistance increases rapidly, stopping its descent and thus stopping the load suspended to the parachute.

Thanks to it, the following benefits are achieved:

- it is not necessary to physically secure the load with shock-absorbing materials, which allows for quick preparation and pick-up of the load;
- the drop can be carried out from low heights;
- The parachute canopy is reduced to 40 m² for loads over 100 kg and 25 m² for loads under 100 kg.

