

T183 Series Light Aircraft Parachute Recovery System

with Gas-Ejected Micro-Rocket Deployment Technology



SYSTEM INFORMATION

KEY FEATURES

The T183 Series is a lightweight parachute recovery system engineered for fixed-wing aircraft. Designed for rapid deployment, reliable activation, and dependable recovery performance, it provides an additional layer of protection for aircraft during emergency situations.

APPLICATIONS

The T183 Series Fixed-Wing Aircraft Parachute Recovery System is designed to enhance aircraft survivability during emergency situations, including mid-air collisions, structural failure, loss of control, pilot incapacitation, and scenarios where a safe forced landing is not possible.

MAXIMUM DEPLOYMENT SPEED

220 km/h

MAINTENANCE INTERVAL

6 Years

OPERATING TEMPERATURE

-40℃ to +60℃

TECHNICAL SPECIFICATIONS

Design Service Life <— — —>12 Years

SKYEAGLE PARACHUTE



*Illustration based on representative application scenarios; not an actual product image

T183 Series Technical Specifications

Model	T183-250	T183-350	T183-500	T183-650	T183-800	T183-1000	T183-1350
Maximum Aircraft Takeoff Weight	250kg	350kg	500kg	650kg	800kg	1000kg	1350kg
Container Dimensions	⌀ 206mm*364mm	⌀ 206mm*424.5mm	⌀ 206mm*504mm	⌀ 306mm*469mm	⌀ 306mm*506mm	⌀ 306mm*797mm	⌀ 350mm*744mm
System Weight ①	7.2kg	8.7kg	11.6kg	14.3kg	15.9kg	21.9kg	34.7kg
Deployment Time	5s	6s	6s	6s	6s	6s	6s
Minimum Deployment Altitude	100m	100m	120m	120m	140m	180m	180m
Maximum Descent Speed ② *at 1500 m AMSL, standard temperature	≤7m/s comparable to a free fall from 2.5 m	≤7m/s comparable to a free fall from 2.5 m	≤7.5m/s comparable to a free fall from 2.9 m	≤7.5m/s comparable to a free fall from 2.9 m	≤7.5m/s comparable to a free fall from 2.9 m	≤7.9m/s comparable to a free fall from 3.2 m	≤7.9m/s comparable to a free fall from 3.2 m
Parachute Area	71㎡	92㎡	110㎡	140㎡	175m^2	206m^2	300㎡
Activation Method	Manual Activation/Flight Control Activation						
Sequencer Communication Protocol	CAN/PWM/RS-232						
Sequencer Power Input	12-36 V						

①Total system mass includes all parachute recovery system components, including canopy, suspension lines, deployment mechanism, and container assembly. The system mass is considered within aircraft payload and performance calculations.

② Vertical descent rate measured at maximum takeoff weight after complete parachute deployment and stabilization under steady-state descent conditions.