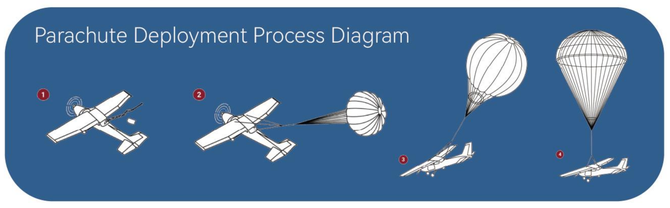
SKYEAGLE

# Aircraft Parachute System

## -High-Speed Fixed-Wing Aircraft

Mechanical Ejection Rocket




## Performance Specifications

| Model | T181-350 | T181-500 | T181-650 | T181-800 |
|---|---|---|---|---|
| Maximum Deployment Weight | 350 kg | 500 kg | 650 kg | 800 kg |
| Maximum Deployment Speed | 220 km/h | 220 km/h | 220 km/h | 220 km/h |
| Ejection System Component Weight | 2.2kg | 2.2kg | 2.5kg | 2.5kg |
| Ejection System Dimensions | Φ79x306mm | Φ79x306mm | Φ79x355mm | Φ79x355mm |
| Parachute Component Weight | 7.6kg | 9.3kg | 11.3kg | 12.5kg |
| Packaging Method | Soft Pack | Soft Pack | Soft Pack | Soft Pack |
| Container Dimensions | 30x25x15 cm | 35x25x15 cm | 15x26x50 cm | 40x14x34 cm |
| Total System Weight | 9.8kg | 11.5kg | 13.8kg | 15kg |
| Deployment Time (at 90 km/h level flight) | 6 s | 6 s | 6 s | 6 s |
| Minimum Deployment Altitude (at 90 km/h level flight) | 90 m | 100 m | 120 m | 140 m |
| Maximum Deployment Load | 6g | 6g | 6g | 6g |
| Maximum Descent Rate (at 1500 meters standard daytime temperature) | ≤7m/s (equivalent to a fall from a height of 2.5 meters) | ≤7.5m/s (equivalent to a fall from a height of 2.9 meters) | ≤7.5m/s (equivalent to a fall from a height of 2.9 meters) | ≤7.5m/s (equivalent to a fall from a height of 2.9 meters) |
| Closure System | Yes | Yes | Yes | Yes |
| Main Canopy Area | 92 ㎡ | 110 ㎡ | 140 ㎡ | 175 ㎡ |
| Total Ejection System Thrust | 400NS | 400NS | 700NS | 700NS |
| Rocket Motor Burn Duration | 1±0.1 s | 1±0.1 s | 1±0.1 s | 1±0.1 s |
| Rocket Activation Method | Manual Activation | Manual Activation | Manual Activation | Manual Activation |
| Operating Temperature Range | - 40°C - +60°C | - 40°C - +60°C | - 40°C - +60°C | - 40°C - +60°C |
| Maintenance Interval | 6 years | 6 years | 6 years | 6 years |
| System Service Life | 12 years | 12 years | 12 years | 12 years |

***Customized Service Available**


## Contact

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