

Sword-280
Ram-Air Parachute System



SYSTEM INFORMATION

OVERVIEW

The Sword-280 is a ram-air personnel parachute designed for high load capacity, responsive handling, stable flight characteristics, and controlled landing performance.

TECHNOLOGY & CERTIFICATION

The Sword-280 became China's first personnel parachute to receive an Airworthiness Certificate from the Civil Aviation Administration of China (CAAC).

MAXIMUM EXIT WEIGHT

170 kg

TECHNICAL SPECIFICATIONS

Canopy Type	Elliptical High-Performance Ram-Air Canopy
Canopy Area	280 ft² (26 m²)
Canopy Cells	9
Assembled Weight	16.5 kg
Minimum Exit Weight	50 kg
Maximum Exit Altitude	35,000 ft (10,668 m)
Maximum Deployment Altitude	25,000 ft (7,620 m)
Forward Speed	42 ~ 68 km/h
Glide Ratio	≥ 3.7:1

SKYEAGLE PARACHUTE



Sword-280
Ram-Air Parachute System
Reserve Parachute



SYSTEM INFORMATION

OVERVIEW

The reserve parachute features a 7-cell ram-air canopy and forms an integrated main-and-reserve system with the main canopy assembly, harness, and container. The reserve is housed in the upper compartment of the container.

HARNESS / CONTAINER SYSTEM

The harness/container system provides a secure, ergonomic interface between the user and the parachute system, integrating load-bearing and deployment functions into a unified design.

MAXIMUM EXIT WEIGHT

170 kg

TECHNICAL SPECIFICATIONS

Canopy Type	Ram-Air Canopy
Canopy Area	280 ft² (26 m²)
Canopy Cells	7
Maximum Deployment Altitude	7,620 m (25,000 ft)
Minimum Deployment Altitude	450 m (1,476 ft)
Forward Speed	24 ~ 40 km/h
Descent Rate	4.3 ~ 5.4 m/s
Lift-to-Drag Ratio	Approx 2.4 : 1

SKYEAGLE PARACHUTE