

MILITARY SILHOUETTE MS-Series Main Canopy

The Military Silhouette (MS) Series is a medium aspect ratio, moderately tapered, nine (9) cell tactical main canopy offering consistent openings, exceptional stability, easy maneuverability with an increase in offset capability beyond that of the TM seven (7) cell series; available in the M1 and M2 configurations.

The MS-Series M1/M2 models are currently used by Special Mission Units worldwide. Praised for their overall performance from opening to landing; the M1/M2 maintain the capability of landing in tight areas using braked approaches. Constructed in a hybrid design with 1.1 oz coated zero-porosity ripstop nylon on the top surface and 1.1 oz 0.5-3 cfm nylon ripstop for the remainder of the canopy, the MS Series canopy will provide optimal performance over the entire lifespan of the canopy, while maintaining easy packability.

The MS-M1 is a freefall-only model, while the M2 is compatible with freefall and double bag static line operations.

Our research demonstrated that a few subtle design revisions to the existing MS, primarily changes in airfoil shape and line trim, improved the lift-to-drag ratio. The MS-M1/M2 is built using hybrid construction, common to all Military Silhouettes. The polyester suspension lines prevent line trim variations due to "line trim creep," which can potentially affect glide performance. In addition, polyester line provides suitable elasticity, which helps to reduce the transmission of excessive shock loads to the jumper and canopy that are often associated with the more unyielding low-drag line types.

Training evolutions or real-world operations, day or night, the Military Silhouette (MS) Series main parachutes offers versatility, reliability and the ruggedness you have come to expect from Complete Parachute Solutions.



PRODUCT SPECIFICATIONS

MS - SERIES MAIN

9 - Cell Main Parachute

MODEL / SIZE	MS-360 M1 MS-360 M2	MS-330 M1 MS-330 M2	MS-300 M1 MS-300 M2	MS-280 M1 MS-280 M2	MS-260 M1 MS-260 M2
ASPECT RATIO	2.52:1				
CANOPY AREA	360 sq ft (33.4 sq m)	330 sq ft (30.7 sq m)	300 sq ft (27.9 sq m)	280 sq ft (26.0 sq m)	260 sq ft (24.2 sq m)
CANOPY SPAN	30.1 ft (9.17 m)	28.8 ft (8.78 m)	27.5 ft (8.38 m)	26.5 ft (8.08 m)	25.6 ft (7.8 m)
CANOPY CHORD CENTER/TIP	12.3 ft/10.8 ft (3.75 m/3.29 m)	11.8 ft/10.3 ft (3.6 m/3.14 m)	11.2 ft/9.9 ft (3.41 m/3.02 m)	10.9 ft/9.5 ft (3.32 m/2.9 m)	10.5 ft/9.2 ft (3.2 m/2.8 m)
MAXIMUM WEIGHT	450 lb (204 kg)	400 lb (181 kg)	375 lb (170 kg)	375 lb (170 kg)	375 lb (170 kg)
MAXIMUM DEPLOYMENT ALTITUDE (MSL)	35,000 ft (10,668 m)				
MINIMUM DEPLOYMENT ALTITUDE (AGL)	3,000 ft (914 m)	2,500 ft (762 m)	2,000 ft (610 m)	2,000 ft (610 m)	2,000 ft (610 m)
RATE OF DESCENT FULL FLIGHT	12 - 16 ft/s (3.7 - 4.9 m/s)				
RATE OF DESCENT 50% BRAKES	7 - 12 ft/s (2.1 - 3.7 m/s)				
FORWARD SPEED	18 - 28 mph (29 - 45 km/h)				
MAXIMUM DEPLOYMENT SPEED	150 KTS EAS @ Sea Level				
L:D	Approximately 2.6:1				
STALL	Resistant to stall				
TURN RATE - 180° TURN	Approximately 2 seconds				
TURN RATE - 360° TURN	Approximately 3 - 5 seconds				
DEPLOYMENT METHOD	M1 - Freefall only M2 - Freefall or Double Bag Static Line				
CANOPY CONSTRUCTION	Chord-wise construction, full cell I-beam, with span-wise and chord-wise reinforcement				
CANOPY MATERIAL TYPE	Top Surface: Zero Porosity Bottom Surface: and Ribs: 0.5 - 3 cfm Ripstop Fabric				
LINE TYPE AND STRENGTH	Treated Polyester 600, 900, and 1575 lb				