



TANDEM PHOENIX TP-Series Main Canopy

The Tandem Phoenix (TP) Series is an advanced medium-high aspect ratio, moderately tapered, nine-cell tactical tandem main canopy. The TP-400 and TP-460 models offer an increase in maximum suspended weight capability and are considered the flagship canopies for Military Tandem Tethered Bundle (MTTB) operations.

The TP-360 fills the need for a smaller tandem canopy for operations that require a working load up to 550 lb (250 kg). This model is also ideal for solo operators who carry heavy rucks with an excess combat load-out as well as K9 operations.

The TP-460 is a hybrid construction, made with a zero-porosity ripstop nylon top surface with 1.1 oz 0-3 cfm nylon ripstop in remainder of the canopy. The TP-360 and TP-400 canopies are constructed entirely of zero-porosity ripstop nylon. All models provide optimal offset performance while yielding lighter toggle pressure and increased landing performance during the flare maneuver throughout the canopy's lifespan.

The TP-Series is available in the M1 or M2 configuration. TP-M1 series is designed for drogue-fall operations. The TP-M2 series is compatible with drogue-fall and double bag static line operations. The TP-460 is available only in the M3 (drogue-fall) configuration.



	TP-360 M1* TP-400 M1*	TP-360 M1C TP-400 M1C	TP-360 M2* TP-400 M2*	TP-360 M2C TP-400 M2C	TP-460 M3*
Freefall	✓	✓	✓	✓	✓
Static Line			✓	✓	
Stainless Steel Hardware	✓		✓		✓
Partial Cadmium Hardware		✓		✓	
Nomex Buffer Panel			✓		
Cotton Buffer Panel				✓	

**Preferred configuration for water submersion*

PRODUCT SPECIFICATIONS

TP-SERIES MAIN

9-Cell Main Parachute

Model / Size	TP-460	TP-400	TP-360
Aspect Ratio	2.52:1	2.71:1	2.71:1
Canopy Area	460 sq ft (42.7 sq m)	400 sq ft (37.1 sq m)	360 sq ft (33.4 sq m)
Canopy Span	34.1 ft (10.39 m)	32.9 ft (10.0 m)	31.2 ft (9.5 m)
Canopy Chord (Center Cell / Tip)	13.9 ft / 12.05 ft (4.24 m / 3.67 m)	12.9 ft / 9.9 ft (3.9 m / 3.0 m)	12.2 ft / 9.4 ft (3.7m / 2.8 m)
Maximum Weight	850 lb (386 kg)	650 lb (295 kg)	550 lb (250 kg)
Maximum Deployment Altitude (MSL)	25,000 ft (7,620 m)	25,000 ft (7,620 m)	25,000 ft (7,620 m)
Minimum Deployment Altitude (AGL)	5000 ft (1,525 m)	5000 ft (1,525 m)	5000 ft (1,525 m)
Forward Speed	20-35 mph (32-56 km/h)	20-35 mph (32-56 km/h)	20-35 mph (32-56 km/h)
Rate of Descent Full Flight	14-18 ft/s (4.2-5.4 m/s)	14-18 ft/s (4.2-5.4 m/s)	14-18 ft/s (4.2-5.4 m/s)
Rate of Descent 50% Brakes	8-14 ft/s (2.4 - 4.2 m/s)	8-14 ft/s (2.4 - 4.2 m/s)	8-14 ft/s (2.4 - 4.2 m/s)
Maximum Deployment Speed	150 KTS EAS @ Sea Level		
Deployment Method	SPP or UPT approved high speed reserve bag		
Canopy Material Type	Nylon ripstop coated zero porosity and nylon ripstop 0-3 cfm	Nylon ripstop coated zero porosity	Nylon ripstop coated zero porosity
Canopy Construction	Chord-wise construction, full cell I-beam with span-wise and chord-wise reinforcement		
Line Type	Untreated Polyester		
L:D	Approximately 2.8:1		
Stall	Resistant to Stall		
Turn Rate - 180° Turn	Varies Greatly with Load Drag and Weight		
Turn Rate - 360° Turn	Varies Greatly with Load Drag and Weight		

TP Series Options

M1: Drogue-fall-only with Stainless Steel hardware

M2: Drogue-fall and Double Bag Static Line with Nomex buffer panel and Stainless Steel hardware

M3: Drogue-fall-only with Stainless Steel hardware (TP-460 only)

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