

TANDEM RESERVE

VR Reserve Canopy

The VR-421 Military Tandem Reserve Canopy is a 9-cell, medium aspect ratio ram-air canopy ideally suited to the tandem and TTB role. The VR was designed to meet the critical operational demands of heavy military tandem applications and has an exceptional safety and performance history.

Given the unique nature of military tandem, the VR-421 was vigorously tested and approved by Natick RD&E, the U.S. Army's test center for personnel parachute equipment. The VR is ideally suited to support the heavy weights normally associated with operators jumping with full combat equipment both in the dual-personnel role as well as the tethered tandem bundle mission

The manufacturer's standard approved exit weight (AUW) is 650 lb (294 kg) with several special mission units authorizing the VR's operational capability at 900 lb (408 kg) with the tethered bundle (TTB). Many military groups around the world use the VR-421 in both the SOV3-TS System as well as its predecessor, the Military Vector Tandem System.

As a result, the VR-421 is the most trusted military tandem reserve canopy in use around the world today.



PRODUCT SPECIFICATIONS

VR TANDEM RESERVE

9-Cell Reserve Parachute

Model / Size	VR-421
Aspect Ratio	2.5:1
Canopy Area	400 sq ft (37.16 sq m)
Canopy Span	31.62 ft (9.63 m)
Canopy Chord	12.65 ft (3.85 m)
Maximum Weight	650 lb (294 kg)
Maximum Deployment Altitude (MSL)	25,000 ft (7,620 m)
Minimum Deployment Altitude (AGL)	2000 ft (610 m)
Forward Speed	Varies Greatly with Load Drag and Weight
Rate of Descent Full Flight	Varies Greatly with Load Drag and Weight
Rate of Descent 50% Brakes	Varies Greatly with Load Drag and Weight
Maximum Deployment Speed	180 KTS EAS @ Sea Level
Deployment Method	UPT approved high speed reserve bag
Canopy Material Type	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 2.4:1
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

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