

TACTICAL PARACHUTE DELIVERY SYSTEMS, INC.



HEAVY LOAD TACTICAL PARACHUTES BROCHURE 2025

TACTICAL PARACHUTE DELIVERY SYSTEMS, INC.
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HEAVY LOAD TACTICAL

9 Cells Elliptical - Main Parachute (TPDS-HLT-M)



The TPDS-HLT-M is a nine-cell elliptical ram-air canopy designed for tactical heavy load operations, supporting dual personnel and large equipment payloads. Optimized for High Altitude High Opening (HAHO) and High Altitude Low Opening (HALO) profiles, it features a medium-high aspect ratio and moderate taper to provide an ideal balance between glide performance, stability, and responsive handling. Available in sizes from 300 to 460 square feet, the canopy ensures flexibility across a wide operational load range.

Constructed with a hybrid material configuration combining 1.1 oz ripstop nylon with zero-porosity (ZP) fabric or entirely from ZP fabric for maximum longevity, the TPDS-HLT-M maintains low porosity throughout its service life. Suspension lines are made from Vectran to guarantee high strength, low stretch, and resistance to environmental stresses. Engineered for reduced toggle pressure and enhanced flare response, the canopy provides excellent control, reduced pilot fatigue, and precision landings under demanding mission conditions.

TPDS-HLT-M

Size & Technical Specifications

Material: Z-P or Hybrid | **Lines:** Vectran

MODEL - P/N	SPAN	CHORD	ASPECT	Min. Sup.	Max. Sup.
TPDS-HLT-M- 300	30.6 ft	10.2 ft	3.0 : 1	124 lb (56 kg)	388 lb (176 kg)
TPDS-HLT-M- 330	32.0 ft	10.7 ft	3.0 : 1	136 lb (62 kg)	425 lb (193 kg)
TPDS-HLT-M- 350	32.9 ft	10.9 ft	3.0 : 1	144 lb (65 kg)	450 lb (204 kg)
TPDS-HLT-M- 370	33.9 ft	11.3 ft	3.0 : 1	152 lb (69 kg)	475 lb (215 kg)
TPDS-HLT-M- 390	34.8 ft	11.5 ft	3.0 : 1	160 lb (73 kg)	500 lb (227 kg)
TPDS-HLT-M- 410	35.8 ft	11.8 ft	3.0 : 1	168 lb (76 kg)	525 lb (238 kg)
TPDS-HLT-M- 430	36.4 ft	12.1 ft	3.0 : 1	176 lb (80 kg)	550 lb (249 kg)
TPDS-HLT-M- 460	37.7 ft	12.5 ft	3.0 : 1	188 lb (85 kg)	588 lb (266 kg)

HEAVY LOAD TACTICAL

9 Cells Square - Reserve Parachute (TPDS-HLT-R-SQ)



The TPDS-HLT-R-SQ is a nine-cell square ram-air reserve canopy purpose-built for tactical heavy load missions, ensuring reliable deployment and stable flight behavior during emergency scenarios. Sized between 300 and 460 square feet, it is matched to the main canopy's operational envelope, supporting both dual personnel and heavy equipment profiles without compromising performance.

Constructed entirely from PIA-C-44378 Type IV low-porosity (0.5–3.0 cfm) ripstop nylon, the reserve canopy offers durable, consistent inflation dynamics and structural integrity across multiple repacks. Its suspension lines, made from Vectran or Spectra, provide high tensile strength and low elongation, ensuring immediate canopy response. The TPDS-HLT-R-SQ is engineered for rapid, smooth inflation and predictable descent, providing critical safety and control when immediate recovery is essential.

TPDS-HLT-R-SQ

Size & Technical Specifications

Material: PIA-C-44378 Type 4 0.5-3.0 | **Lines:** Vectran or Spectra

MODEL - P/N	SPAN	CHORD	ASPECT	Min. Sup.	Max. Sup.
TPDS-HLT-R-SQ- 300	29.1 ft	10.7 ft	2.7 : 1	155 lb (70 kg)	434 lb (197 kg)
TPDS-HLT-R-SQ- 330	30.4 ft	11.2 ft	2.7 : 1	170 lb (77 kg)	476 lb (216 kg)
TPDS-HLT-R-SQ- 350	31.3 ft	11.5 ft	2.7 : 1	180 lb (82 kg)	504 lb (229 kg)
TPDS-HLT-R-SQ- 370	32.2 ft	11.8 ft	2.7 : 1	190 lb (86 kg)	532 lb (241 kg)
TPDS-HLT-R-SQ- 390	33.1 ft	12.1 ft	2.7 : 1	200 lb (91 kg)	560 lb (254 kg)
TPDS-HLT-R-SQ- 410	33.8 ft	12.4 ft	2.7 : 1	210 lb (95 kg)	588 lb (267 kg)
TPDS-HLT-R-SQ- 430	34.7 ft	12.7 ft	2.7 : 1	220 lb (100 kg)	616 lb (279 kg)
TPDS-HLT-R-SQ- 460	35.8 ft	13.1 ft	2.7 : 1	235 lb (107 kg)	658 lb (298 kg)



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TPDS

