



ARMOR PACKAGE	T34*	T52/SP*	T54/C*	TXP3A*
Thickness	.27"	.22"	.22"	.21"
Weight	1.07lbs psf (AD)	.82lbs psf (AD)	.80lbs psf (AD)	1.15lbs psf (AD)
Certification	Meets IOTV Specifications for 9mm and Frag	*Certified Level II NIJ0101.06	*Certified Level II NIJ0101.06 Meets FBI Protocol	*Certified Level IIIA NIJ0101.06
V ₅₀	Meets IOTV Specifications for 9mm and Frag	1870 fps /9mm	1878 fps /9mm	1703 fps /44mag
Back-Face Deformation	Meets IOTV Specifications for 9mm and Frag	33.5mm/.357mag	34.2mm/.357mag	34mm/.357mag
Ideal Use	Tactical	Tactical	Concealable	Tactical

*Accessories and Female Shaped Ballistics Meets NIJ0101.06 Standard

INTEGRATED BALLISTIC SYSTEM

TYR Tactical® utilizes the Integrated Ballistic System which is a five piece design that increases ballistic protection, decreases side spall and reduces back face deformation. The five piece design includes a panel suspension and energy disbursement frame, known as the Ballistic Vein™. It retains the soft armor panels in the proper configuration, prevents bunching and supports the plates to improve edge hit protection. The system reduces blunt trauma and back face deformation values and ultimately increases V₅₀ performances by up to 125 feet per second by absorbing energy from projectile engagement.



SPACER MESH

BALLISTIC VEIN™
Patent Pending

BALLISTIC SOFT ARMOR

BALLISTIC PLATE

PV®
Patent Pending

NAME	FUNCTION
Spacer Mesh	The body facing material of our plate carriers utilize advanced antimicrobial spacer mesh which is IR/FR treated. The ventilation system incorporates a raised padding system which works with the ballistic vein for energy dispersion. It also wicks away excess moisture and provides air flow channels to better manage heat stress, increase recovery after use and allows the vest to return to its normal state after each use.
Ballistic Vein™	Increases overall load carriage performance and provides a more rigid platform improving the overall structure and capabilities of the carrier. It also, retains the soft armor panels in the proper configuration, prevents bunching and supports the plates to improve edge hit protection.
Soft Armor	Helps absorb the impact from firearm projectiles and fragmentations.
Hard Plate	Provides additional protection from rifle rounds.
PV®	Increases ballistic capability of the nylon carrier, provides structure, increases abrasion resistance, improves fire resistance and increases Soldier survivability.

Patent Pending