## TYR TACTICAL® SOFT ARMOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Armored Package</th>
<th>T34*</th>
<th>T52/SP*</th>
<th>T54/C*</th>
<th>TXP3A*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>.27”</td>
<td>.22”</td>
<td>.22”</td>
<td>.21”</td>
</tr>
<tr>
<td>Weight</td>
<td>1.07lbs psf (AD)</td>
<td>.82lbs psf (AD)</td>
<td>.80lbs psf (AD)</td>
<td>1.15lbs psf (AD)</td>
</tr>
<tr>
<td>Certification</td>
<td>Meets IOTV Specifications for 9mm and Frag</td>
<td>*Certified Level II NIJ0101.06 Meets FBI Protocol</td>
<td>*Certified Level IIIA NIJ0101.06</td>
<td></td>
</tr>
<tr>
<td>V₅₀</td>
<td>Meets IOTV Specifications for 9mm and Frag</td>
<td>1870 fps /9mm</td>
<td>1878 fps /9mm</td>
<td>1703 fps /44mag</td>
</tr>
<tr>
<td>Back-Face Deformation</td>
<td>Meets IOTV Specifications for 9mm and Frag</td>
<td>33.5mm/.357mag</td>
<td>34.2mm/.357mag</td>
<td>34mm/.357mag</td>
</tr>
<tr>
<td>Ideal Use</td>
<td>Tactical</td>
<td>Tactical</td>
<td>Concealable</td>
<td>Tactical</td>
</tr>
</tbody>
</table>

*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**: 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.
- **PY®**: Increases ballistic capability of the nylon carrier, provides structure, increases abrasion resistance, improves fire resistance and increases Soldier survivability.

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**Made in the USA**

**PV®** Patent Pending

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**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.
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