

K-ZERO™ SF PLATE CARRIER

SPEC SHEET



PRODUCT OVERVIEW



The K-Zero™ SF is the ultimate evolution of the industry's best plate carrier, remastered from the ground up with zero compromises. Forged through the blood, sweat, and battlefield experience of tens of thousands of Agilite end-users in active combat and special operations in Israel, the United States & across the globe. It's the most comfortable and feature-rich carrier built to date.



Front



Rear

KEY FEATURES



- › Unmatched comfort for all day wear.
- › Includes patented one-size-fits-all, semi-rigid Micro Warfighter™ Cummerbund for optimal load-bearing capability and stretch for comfort.
- › Includes 2 Duraflex™ side and 1 Duraflex™ shoulder mil-spec quick release buckles for fast don/doff and maritime use, allowing you to configure your rig exactly to your mission set.
- › Patented design allows easy switching between hook and loop flaps, quick-release buckles, or direct plate carrier attachment.
- › Compatible with both MOLLE and placard systems for ultimate versatility and modularity fit on the move.
- › Full right/left handed Cable Management Kit included.
- › Compatible with all Agilite plate carrier attachments.
- › Integrated zip admin pocket.
- › Removable shoulder pads included, go ultra low-profile and slick, or scale up when carrying heavier loads.
- › Inner plate bags feature heat-release vented zones that wick away sweat to keep you cool under fire or during intense training.
- › Reinforced drag handle.

TECHNICAL SPECIFICATIONS



1. Materials & durability

The K-Zero™ SF Plate Carrier is engineered using the most advanced materials to ensure maximum durability, lightweight performance, and resistance to harsh conditions.

Primary fabric:

- 500D Cordura® Brand Solution Dyed Invista® Tactical Nylon
- › Meets MIL-DTL-32439B military specifications for abrasion and tear resistance.
 - › Known for exceptional strength-to-weight ratio, ensuring long-term durability.
 - › Solution-dyed fibers provide superior colorfastness and UV resistance.

Laser-cut Squadron™ laminate:

- › Constructed from 1000D and 500D Tactical Nylon, meeting MIL-DTL-32439B specification.
- › Delivers a low-profile, lightweight alternative to traditional MOLLE webbing.

Water & weather resistance:

- › **Material water repellency standard:**
 - ✔ Certified under AATCC TM22, ensuring resistance to water absorption in both initial and post-laundering conditions.
- › **Hydrostatic resistance:**
 - ✔ Tested under AATCC TM127, with no leakage below a water height of 35cm, making it highly water-resistant.
- › **Taber abrasion resistance (ASTM D 3389-94, Method A):**
 - ✔ Capable of withstanding 50+ cycles without significant wear.
- › **Flame resistance numerical adjustment shoulder strap (Fed Std 191A, method 5903):**
 - ✔ Fill & warp flame duration: max 30 seconds.
 - ✔ Char limits: max 5 inches.
- › 3mm 3d spacer mesh for moisture wicking.

2. Size, fit & plate compatibility

Engineered for universal adaptability, providing a secure, ergonomic fit in a lightweight, one-size-fits-most design

Plate Bag Size:

One size fits all

Plate Compatibility:

Fits S, M, or L SAPI / ESAPI plates up to 1.5" thick

- › **Loop chest panel dimensions:** 25cm x 9cm (9.8" x 3.5").
- › **Weight:**
 - ✔ 2.14 lbs (0.97 kg)

3. Modularity & adjustability

The K-Zero™ SF Plate Carrier is designed for maximum adaptability, allowing the wearer to tailor it to mission requirements.

Fast-adjust™ cummerbund:

- › One-size-fits-all adjustable system, allowing real-time adjustment while wearing.
- › Provides proprietary switchable closure options (US Patent app #19727.0001US1) to attached either:
 - ✔ Hook and loop flaps for a traditional, secure fit.
 - ✔ Quick-release buckles (not included) for rapid donning/doffing.
- › Connects directly to the plate bag for fast, secure attachment.
- › Rear loop back flap compatibility – supports Agilite Warfighter cummerbund or other hook-and-loop cummerbunds.
- › Heat-release skeletal MOLLE cummerbund:
 - ✔ Features 8 internal and 8 external MOLLE columns for side armor and additional pouch integration.
- › Numbered-symmetrical shoulder adjustment system:
 - ✔ Provides precise shoulder height customization for a balanced, symmetrical fit.
- › Dual-height placard compatibility:
 - ✔ Supports multiple loadout configurations.

4. Integrated cable management system

- › Built-in shoulder and plate bag cable routing channels for streamlined gear integration.
- › Includes 4-piece ambidextrous cable management kit for:
 - ✔ Communication lines.
 - ✔ Hydration tubes.
 - ✔ Antenna management.

5. Hardware & components

Quick-release & adjustment hardware:

- › Detachable 40mm acetel duraflex buckle.
- › Detachable 80mm acetel duraflex buckles:
 - ✔ Tensile strength: up to 80kg.
 - ✔ Designed for rugged military environments.

US mil-spec compliant webbing & fasteners:

- › Nylon webbing (MIL-W-17337 CL2):
 - ✔ High-strength tear and abrasion-resistant construction.
- › Elastic webbing (MIL-W-5664 T-II):
 - ✔ Provides flexible, secure hold for accessories and attachments.
- › Hook & loop fasteners (AA-55126):
 - ✔ Industrial-strength hook-and-loop fastener ensures firm closure under all conditions.

6. Why choose the K-Zero™ SF Plate Carrier?

- › Designed for elite combat operators: used and tested by Israeli & U.S. special forces.
- › Unmatched comfort & ergonomics: strategic weight distribution eliminates discomfort.
- › Ultra-durable & mission-ready: built to exceed military specifications, ensuring long-lasting performance.
- › Maximum modularity & versatility: customizable cummerbund, placard compatibility, & cable routing.
- › Combat-proven & ready for any environment.