

# Type 40 Plate Bearing Vest

The Type 40 Infantry Plate Carrier is an armored vest designed to be worn by [SAoY](#) personnel not clad in power armor, the vest is simple and somewhat archaic in design but requires no specialized training to use and provides adequate protection against non-power armor infantry weapons.



Nomenclature: Ke-G4-1h

## Design

The Type 40 Plate Bearing Vest has a few distinct layers, at the core it has a wall of nitrogen-filled [Yarvex Foam](#) cavities that are wrapped in a layer of [Stone Thread](#) mesh before finally the outermost layer of [Bulletproof Wool](#) holds it all together. There are three rectangular pockets running along the front and back of the vest. These pockets have a [Velcro](#)-sealed opening on either side where plates are

loaded/removed – the three plates are slightly curved and designed to cover most of the user’s body from the front and the back while not restricting movement too much.

A patch for displaying name and rank sits under the right collarbone while a long strip runs across the base of the neck to display occupation/rank/other information

Rows of heavy-duty nylon stitched onto the vest to allow for the attachment of various compatible pouches and accessories in whatever configuration the user needs.

The vest has been heavily treated to make it highly resilient to wear and tear as well as the elements.

## Usage

The Type 40 Plate Bearing Vest is designed to be work over fatigues and almost all other types of clothing, armored plates are loaded/removed by undoing the  [Velcro](#) on one side of the pocket and sliding a plate in before sealing the  [Velcro](#) once again.

To don the vest, users should orient the name/rank patch forward, raise the vest over their head, and put their head through the hole. The vest is then fitted by adjusting and then tightening the  [Velcro](#) straps that run up each side before covering them with another  [Velcro](#)-sealed flap of [Bulletproof Wool](#).

Users who don and doff the vest more frequently sometimes opt to keep one side closed once it has been fitted, just to hasten the process.

Plates are loaded/replaced by releasing the  [velcro](#)-fastened flap that covers the vertical incision and lifting it away, the slightly curved nature of the plates adds some level of ease to sliding the plate in before the flap is fastened and secured. Plates are removed by opening the flap on one end and then pulling the plate out horizontally.

## Appearance

The Plate Bearing Vest is roughly 3cm thick at the torso, shoulder and back sections with marginally thinner, 2cm thick panels that run up the sides to below the armpit - these panels come in a color corresponding to the wearer's specialization/occupation . It has a somewhat rigid, androgynous silhouette due to its padded nature. Three vertical slits run across both sides of the torso and back section where plates are loaded/replaced, these slits sit almost flush with the sides of the torso and back sections, with a  [Velcro](#)-sealed flap to further hide them. Rows of heavy-duty nylon run horizontally to allow for the attachment of various compatible pouches and accessories in whatever configuration the user needs.

The vest is available in [RIKUPAT](#), urban grey, midnight black, olive drab, tan, SAoY blue, fluorescent orange, and (as of [YE 45](#)) winter camo, and has a carrying handle built into the base of the vest’s neck.

The vest is available in an [Elysian](#) variant that removes the top-most back plating and two rows of mounting space to accommodate for their wings in favor of a simple y-strap that leaves the rest of the

vest unaltered.

## Function

The Type 40 Plate Bearing Vest was made to provide protection for non-power armored [SAoY personnel](#), the vest itself is rugged and can handle flak/small debris that is thrown its way while the plates are able to sustain varying types of light damage, [DRv3 Tier 1, Light Personnel](#).

There are two types of plates designed for these vests:

Polymer Plates	
<a href="#">DRv3</a>	Tier 1, Light Personnel

The lighter, laminated polymer plates weigh 0.25kg each and are designed to function more like riot armor against knives and bludgeoning tools than assault rifles, they are able to take hits from simple melee weapons like knives or 2-3 shots from smaller calibers such as a 9mm before it is deemed completely unusable.

Durandium Plates	
<a href="#">DRv3</a>	Tier 2, Medium Personnel

The heavier [Durandium Alloy](#) plates weight 1kg each and are designed to withstand significantly more damage than their lighter counterparts, able to take 4-6 [7.62](#) rounds before being rendered completely unusable, these plates have been woven with [Stone Thread](#) for added strength and durability.

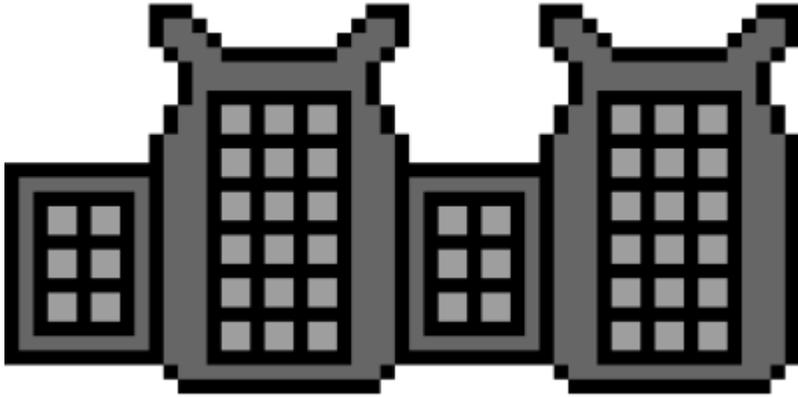
Part	Price	Quantity
Vest	150ks	one(1)
Polymer Plates	50ks	six(6)
Durandium Plates	75ks	six(6)

## Attachments

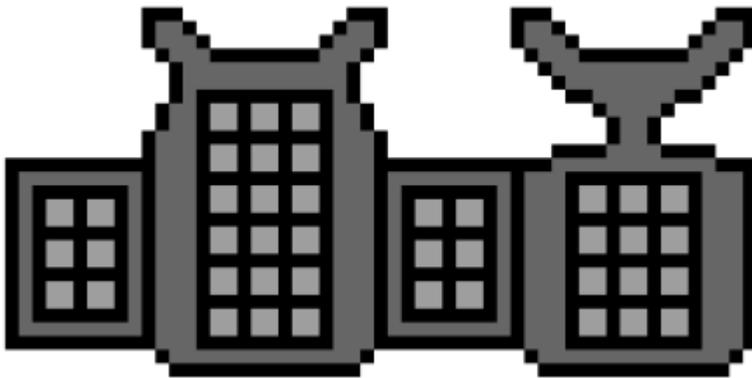
The front and the back each have 18 available<sup>1)</sup> mounting points for pouches and other gear while the sides have 6 each<sup>2)</sup>, each attachment takes up a specified number of these mounting points as specified below.

The Elysian variant is missing the top six mounting points and topmost armored plate in the back section to accommodate for their wings.

Standard Variant



Elysian Variant



Each Part is priced at 15ks

### **Neck-guard:**

Available to either fully encompass the neck or go 2/3 and leave a gap at the front, it takes up no external mounting points and cannot be used in conjunction with the hood.

### **Hood:**

Comes in the same colors as the vest and is made of [Bulletproof Wool](#), it takes up no external mounting points and cannot be used in conjunction with the neck-guard.

### **Sidearm Holster:**

Can hold a pistol-sized sidearm such as the [type 33 nsp](#), takes up 2 wide by 3 tall space or a 2 wide by one tall space when mounted along the base of the vest

**Tool Holster:**

Can come 1w x 3h for something as big as a [Star Army Survival Knife, Type 40](#), 3w x 6h for something as big as a pair of bolt cutters or 3w x 3h for a small kit of screwdrivers. The 3w x 6h variant can be modified slightly and used as a weapon sheath.

**Grenade Pouch:**

Comes in a 2w x 2h for handball-sized and styled grenades or 2w x 3h for cylindrical grenades, it fits 4 spherical or 2 cylindrical grenades respectively.

**Small Magazine Pouch:**

A 1w x 2h pouch to hold two single stack or one double-stack pistol magazines, or an object of similar size

**Loose Cartridge Pouch:**

A 3w x 2h pouch that is designed to hold loose rounds, either 20 9mm sized rounds, 10 7.62 sized rounds or 6 shotgun shells that are not in a mag/in use.

**Rifle Magazine Pouch:**

A 2w x 3h or 3w x 3h pouch for holding two single stack or one double-stack rifle magazines, or a similarly sized object. The 2w x 3h pouch is for holding slimmer "assault rifle" mags while the a 3w x 3h is pouch for holding longer "sniper rifle" mags.

**Dump Pouch:**

A 3w x 3h open-top pouch designed to be mounted along the base of the vest for empty mags to be stored in, it only takes up a 3w x 1h space when mounted along the base.

**Mounted bag:**

A 3w x 6h bag mounted to vest that is designed to carry items not needed in or too large for a pouch.

## Small Mounted Bag:

A smaller, 3w x 4h bag mounted to vest that is designed to carry items not needed in or too large for a pouch.

## Misc Carrier:

A set of mountable straps with varying length and girth for carrying different kinds of objects, this is usually used for mounting communications or navigational gear.

## Crotch Guard:

A triangle of material that is made with the same materials and methods as the rest of the vest, minor the plates, that comes down to cover the groin area - [DRv3 Tier 1, Light Personnel](#). It is mounted to the inside of the vest and takes up no external mounting points, it also adds no mounting points.

## Shoulder Guards:

A small bit of material that can cover each bicep, made with the same materials and methods as the rest of the vest, minor the plates = [DRv3 Tier 1, Light Personnel](#). It is mounted to the inside of the vest and takes up no external mounting points, also adding none. (Note that patches can be mounted here)

# Mounting System

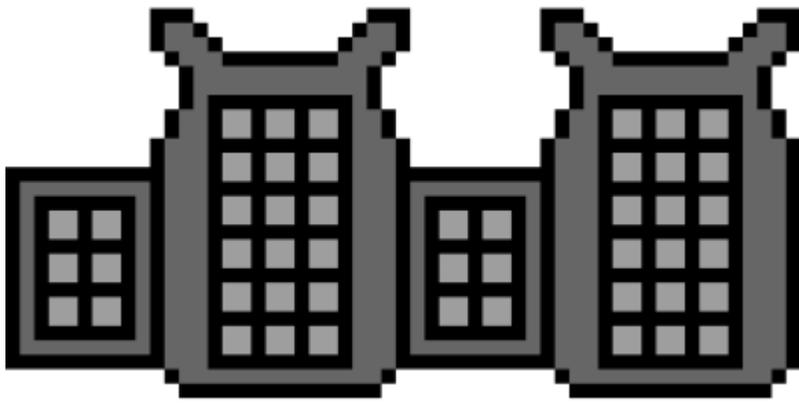
Below is a visual explanation of the mounting system, the vest has a number of mounting points on it, it is arranged as a grid for ease of understanding, a 3w x 3h vest attachment would take up 9 grid points in the shape of a square, that square being three wide and three tall.

The below diagrams show (in order) parts of the vest:

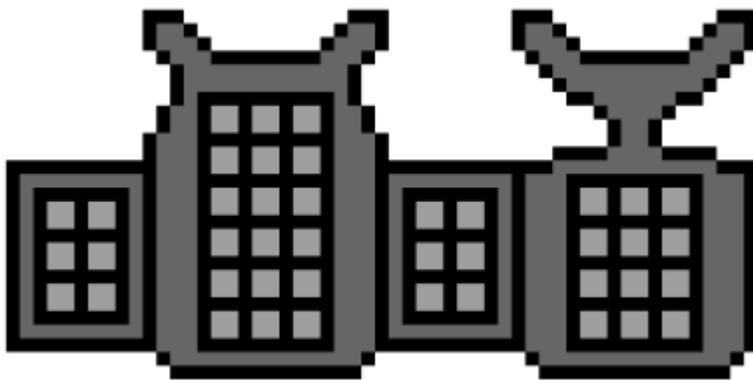
Left flap - front - right flap - back

Take the images below as a soft visual representation of the final product (awaiting artwork)

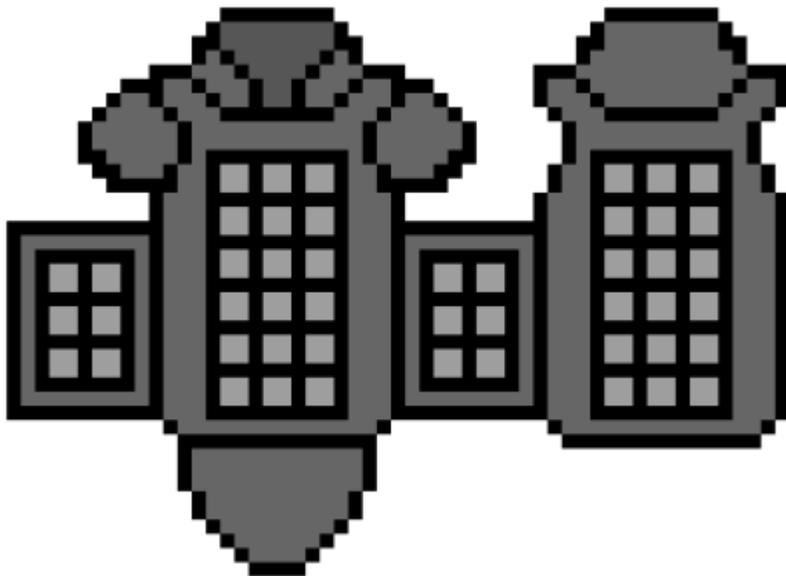
Standard Variant



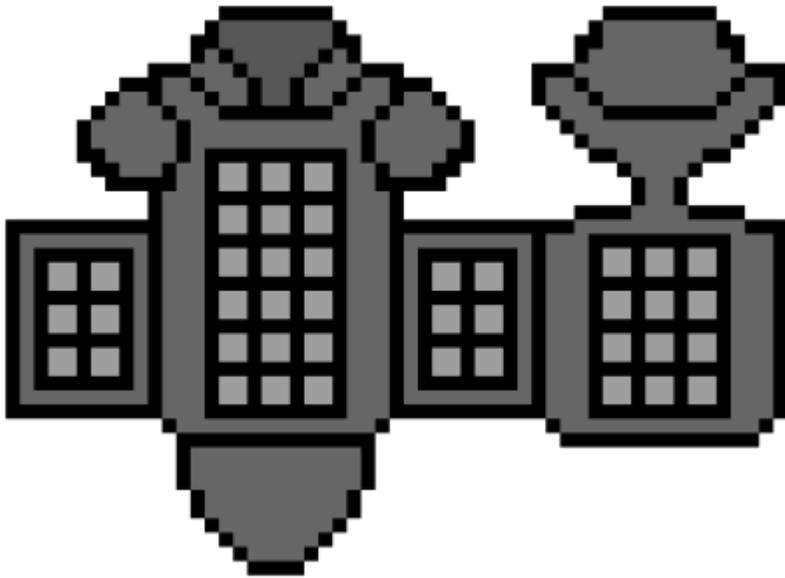
Elysian Variant



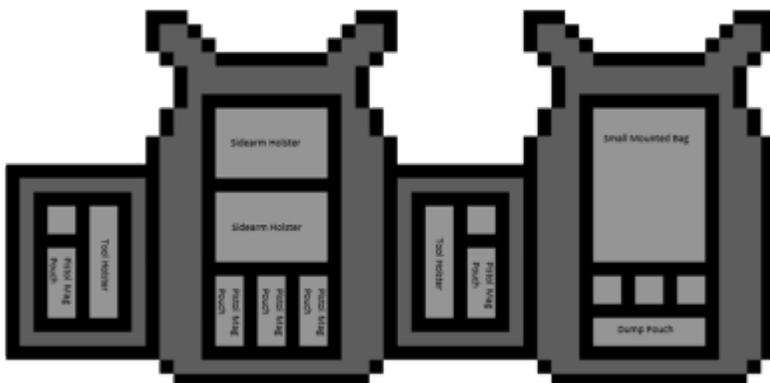
Standard Variant With Shoulder Guards and A Crotch Guard



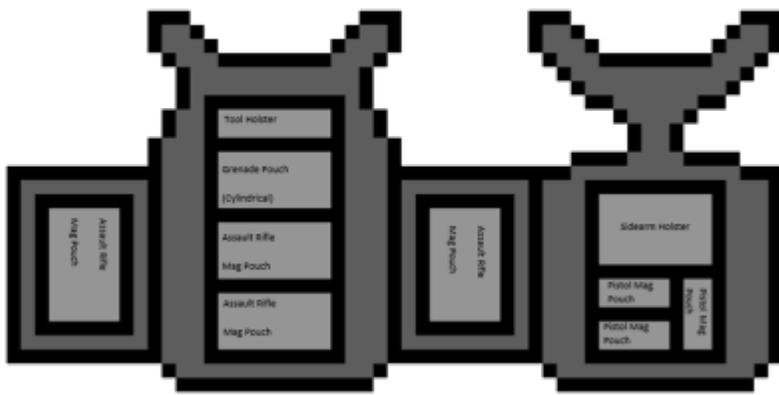
Elysian Variant With Shoulder Guards and A Crotch Guard



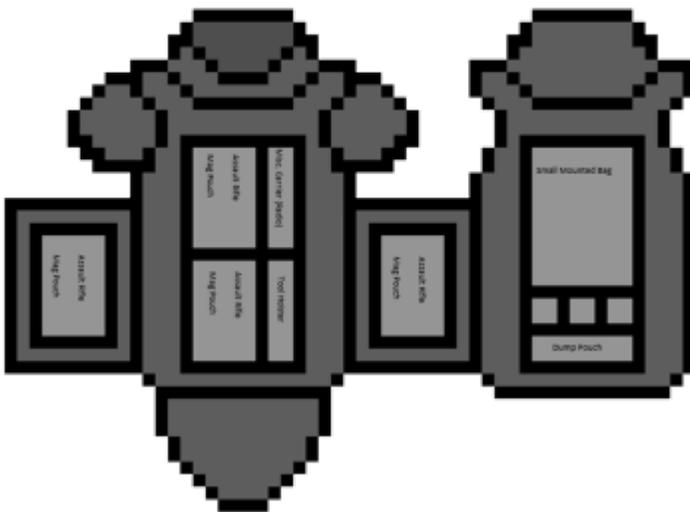
Standard Variant with Loadout Example



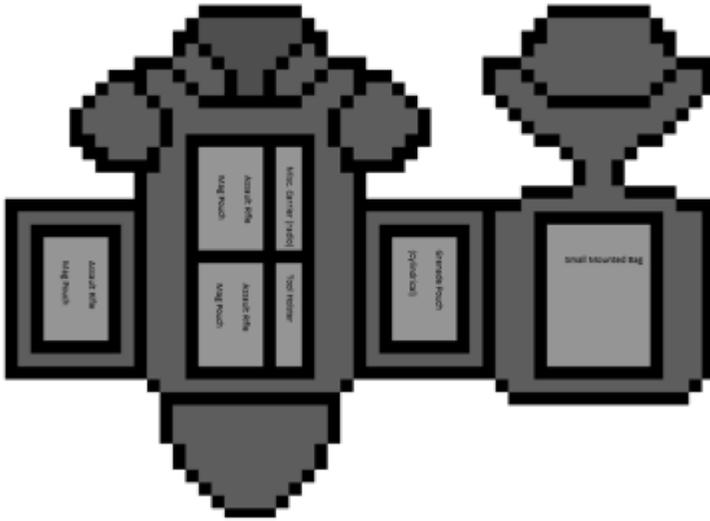
Elysian Variant with Loadout Example



Standard Variant With Shoulder Guards, Crotch Guard and Loadout Example



Elysian Variant With Shoulder Guards, Crotch Guard and Loadout Example



## OOB Notes

SirSkully created this article on 2018/06/10 10:32.

Approval thread [here](#), approved by [Arbitrated](#) on 2018/6/13.

<b>Star Army Logistics</b>	
<b>Supply Classification</b>	Class L - EQUIPMENT PERSONAL ESSENTIAL & UNIFORMS
<b>Products &amp; Items Database</b>	
<b>Product Categories</b>	military equipment, safety equipment
<b>Product Name</b>	Type 40 Plate Bearing Vest
<b>Nomenclature</b>	Ke-G4-1h
<b>Manufacturer</b>	<a href="#">Ketsurui Zaibatsu</a>
<b>Year Released</b>	<a href="#">YE 40</a>

1)

6 down and 3 across

2)

3 down and 2 across

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