

UM21 BACKPACK SYSTEM



BIANCHI INTERNATIONAL

&

GREGORY MOUNTAIN
PRODUCTS

Report Documentation Page

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| Abstract | | |
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INTRODUCTION



- Developed to meet requirements of the United States Special Operations Command.
- A modified commercial backpack system
 - Back Pack
 - Patrol Pack
 - Butt Pack

Introduction Cont'd



- Advanced design and superior technology
 - Suspension
 - Load Transfer
 - Load-bearing Capabilities
 - Modularity

Specifications



■ Back Pack

- Weight: 13lbs

- Volume:

 - | top compartment 592 cu/in

 - | main compartment 3,042 cu/in

 - | sleeping bag compartment 1,775 cu/in

 - | total cu/in: 5,409 (with side pockets 7,101 cu/in)

- Load capability: 120lbs

Specifications



■ Patrol Pack

- Weight: 6 lbs
- Volume: 1,945 cu/in
- Load capability: 50 lbs

Specifications



■ Butt Pack

- Weight: 2 lbs
- Volume: 507 cu/in
- Load capability: 20 lbs

State of Art Suspension



- Stabilizer Straps: Adjustable shoulder, hip and sternum stabilizers fine tune the suspension.
- Internal Reinforced Frame Sheet: Provides flexible support and protects your back.
- Flo-Form II Back Panel: Molded and contoured foam pads provide comfort and support

Suspension Cont'd



- Flo-Form II Shoulder Harness: Made to wrap comfortably over the shoulders and around the chest.
- Adjust-A-Cant Hip Belt: Three different angle settings for proper ride on hips (coin or screwdriver required)

Suspension Cont'd



- Flo-Form II Waistbelt: Tri-density foam padding hugs your hips without pinching or binding.
- Quick Release Compression Straps: Stabilizes the load.

Key Features Back Pack

- Quick Release Buckles allow for emergency release of pack.
- Rigging Loops for airborne operations.
- Antenna Port accommodates extended antennae.



Key Features Cont'd

- Detachable Side Pockets for additional storage.
- Raincover Flap protection from the elements with double sided zipper for reach through access to the main pack.



Key Features Cont'd

- Internal Radio
Compartment
designed into pack
for secure transport
of radio.
- Sleeping Bag
Compartment has full
zip out panel for easy
access.



Key Features Cont'd

- Accessory Lash Straps with quick release buckles for attaching extra gear.
- Ski Keepers covered for durability.



Key Features Patrol Pack

- Antenna Ports accommodates extended antenna.
- Dual Compression Straps for cinching the load.
- Waist Stabilizer Strap to help stabilize the load



Key Features Cont'd

- Dual Gear Loops for additional gear.
- Reinforced Carry Handle
- Rigging Loops for airborne operations.
- Sternum Strap for added stability.



Key Features Butt Pack

- Reinforced Carry Handle
- Dual Compression Straps for cinching the load.
- Built in two inch Web Waist belt with side wings for added stability.

