



SLEEPING BAGS

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TACTICAL USE SLEEP SYSTEM™

Drop Zone has been building sleeping bags in house since 1996. These bags were built under license from the Wiggy's corporation.

We learned from, at that time, what we would consider the best, and is still one of the leaders in sleeping bag manufacturing. But, like any apprentice who has learned all they can from their master, in 2008 we struck out on our own and began to apply all the knowledge we gained from working with Wiggy's to our own ideas based on years of customer input.

Perhaps the student has exceeded the master.....

Our primary focus being a manufacturer of paramilitary equipment has guided our philosophy on sleeping bag design. This philosophy can be summed up in two words:

Performance and durability.

Performance means the bags must **keep the user warm** under the most arduous conditions. A LEO may use one of our bags to lie in during a winter surveillance of an indoor rural grow operation, while an infantry soldier will bivouac in a muddy slit trench.

Durability means the **sleeping bag can take** the above **abuse** day after day, then be easily laundered in a regular washing machine.

Recreational back packers choose the ground that is high and dry. They prefer to baby their sleeping bags and fear washing them, as the laundering may damage them. Their concerns are not unfounded.

Recreationalists are concerned with one other thing.

Weight.

And the manufacturers that service that market are only too happy to meet the weight goals at the expense of durability and performance.

Drop Zone Tactical Use Sleep System products are designed from the ground up to handle the unique needs of paramilitary operations. Details such as the cut of the bag are not overlooked. All Drop Zone bags are oversize mummies. The mummy cut is chosen as it is the most efficient at heat retention. Unfortunately the traditional recreation sleeping bag, mummy cut, It is designed as much

The Low Down on Denier

More precisely, for the techno weenies in the crowd, Denier is the weight of the single yarn expressed in grams per meter. The "yardstick" is 450 meters of #1 silk which weighs .5 grams. This number one silk fiber that is 450 meters long and weighs .5 grams is a One Denier fiber.



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for cutting material weight down as it is for thermal efficiency. It is too tight to climb into while wearing boots and belt kit. We modified the cut for easier entry, and egress, while wearing kit.

We also line our bags with a slippery nylon for maximum movement while in the bag. Most recreational bags use flannel like linings. These linings look nice and warm while hanging on the stores racks, but make it impossible to move in. At least with out aggressive flopping about!

Being able to move, quietly and grab an energy bar while lying for hours on a stake out is essential in a tactical bag.

The exterior shells of the Drop Zone bags are made from tough 70d (denier) nylon for abrasion and poke/tear resistance.

Many recreational bags use very light 40d (or less) nylon for weight savings.

For ease of opening the Drop Zone Tactical Use Sleep System mummies use #10 Ykk® 2 way toothed zippers. Over the years this zip has proven to be the most durable choice to make. Almost nothing is more infuriating than a broken zipper on a sleeping bag in the middle of a winter operation.

Nothing, perhaps, than a zip that has snagged itself in the shell fabric and won't open or close.

Fortunately a benefit of the large # 10 zip is that it is extremely snag resistant.

Most recreational sleeping bags use a #5 or smaller coil zipper. These zips are lighter and easier to compress when packing, but do not resist snagging.

We only use non-resinated continuous fiber polyester insulation. This insulation is very durable. It can take years of packing and un-packing without breaking down. Being a continuous fiber, we literally sew a sheet or bat of it in the bag without quilting, shingling, or baffling. (see illustrations).

You see, quilting, shingling, and baffling, all techniques for using other sleeping bag insulations, can trap water during the during the laundry process. The water adds excess loading and weight to the insulation and the stitching that holds it in place. Eventually the stitching and/or the insulation integrity fails....time for a new bag. We eliminate pre-mature failure by eliminating the potential for failure.....no extra stitching or water traps.

With less stitching we also have less conductive heat loss than sleeping bags of other construction types.

What is insulation loft?

Think of the insulation fibers as forest trees and think of the heat waves your body emits as yourself moving through the forest trees. Dodging and weaving, constantly changing course to avoid hitting the trees. The larger the forest the longer it takes for you to travel through the forest. Thus the more loft, the more difficult it is for the heat to escape.

You can extend thte temperature rating of your Drop Zone Tactical Use Sleep System™ by wearing a Drop Zone Squeeze Me™ Jacket. The Squeeze me uses the same insulation and the sleeping bags and can give you an additonal 5 to 10 degrees of protection.

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You'd think everyone would use a continuous fiber insulation, wouldn't you?

The extra stitching from quilting, shingling, and baffling requires more stitching. In most cases, literally flattening out the insulation. These stitch points and seams now become heat sinks, conducting heat away from the insulation, making the bag less thermal efficient.

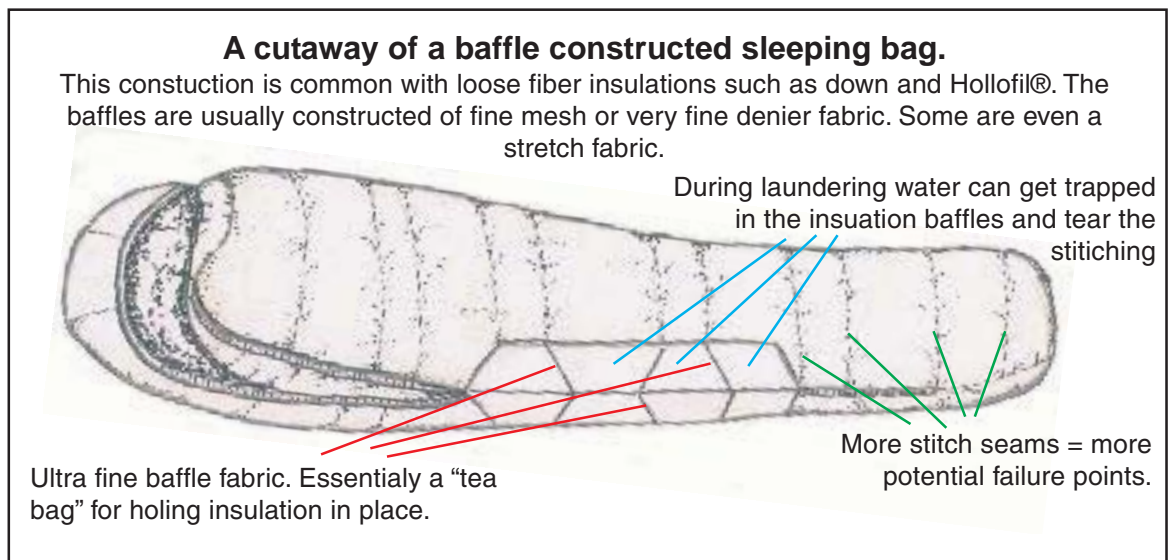
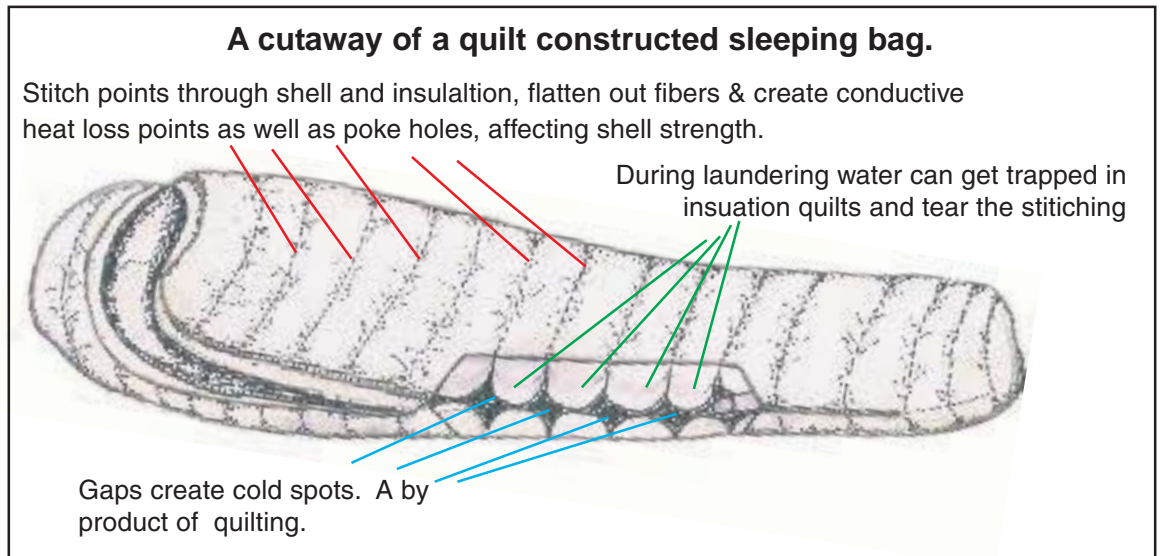
Flattening out the insulation is bad. It kills heat retention. Not only though conductive heat loss, but flat insulation cannot trap air. If you do not have trapped air, you cannot heat it up. Remember the sleeping bag user is the source of heat. No air to heat up equals no heat trapped to keep you warm and cozy.

We are so serious about not flattening out the insulation, our foot box is generously cut, allowing room for foot placement, even with footwear!

Our attention to heat retention does not end at the feet.

To prevent cold air from migrating to the inside of the bag, through the zipper, we backed the zipper up with what we believe to be one of the biggest draft tubes in the industry. But the construction details on the draft tube don't stop with its size. We mount it along side the upper zipper half. The reason for this is simple, we use gravity to drop it down like a curtain.

Many other draft tubes are sewn along the lower zip. The problem with this construction is that the draft tube can be flattened out should the sleeper lay on it, thus causing an air leak.



TACTICAL USE SLEEP SYSTEM™

No such problems with our design.

A cutaway of a shingle constructed sleeping bag.

This construction is common with bonded fiber batt insulations such as needlepunch, Polarguard® and Thinsulate®. The batts resemble that pink fiberglass insulation used in house construction and are sewn in an overlapping technique like shingles on a roof.



Gaps create cold spots. A by product of shingle construction.

More stitch seams = more potential failure points.

All the bags rated lower than -6°C have an integral draft flap attached to the chest panel. This draft flap seals comfortably around the users chest and neck region, further sealing in the warm goodness.

Although the bag is cut oversize for tactical operations, our designers made up for the extravagant

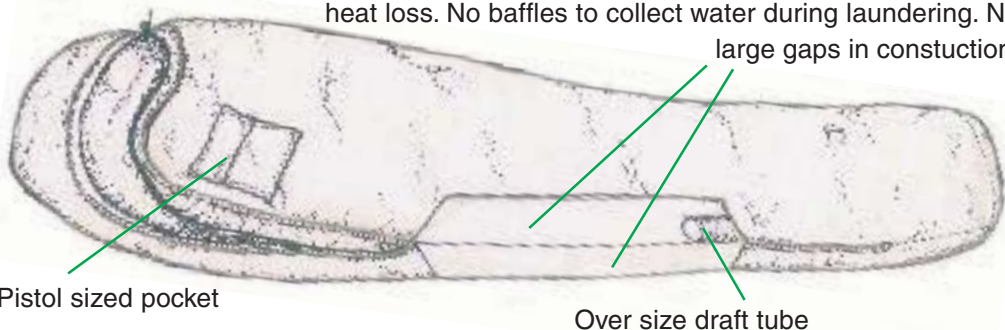
torso space by refining how the bag hugs the shoulders as it curves into the hood region. This curve, while not quite sensuous, certainly goes along way to adding heat retention in the shoulder and head area. To top the sleeping bag off, the contour cut hood features a dual action drawstring that controls the neck and hood, either independently or together! The drawstring secures with a cordlock.

On the exterior chest region, near the zipper our designers added a pocket big enough for a common issue auto pistol. The pocket secures with Drop Zone's Up-N-Over™ pocket flap.

With features and attention to detail outlined above, your choice for a tactical sleeping bag should be Drop Zone.

A cutaway of a Drop Zone Tactical Use Sleep System sleeping bag.

Continous Fiber insulation. No excessive stitch points to fail or create conductive heat loss. No baffles to collect water during laundering. No



Pistol sized pocket

Over size draft tube

WINKIN OVER BAG / SUMMER BAG



The Winkin Over Bag is the “summer” sleeping component of the Drop Zone Tactical Use Sleep System™. It is called an over bag as its generous cut lends it self well to sliding over top of other bags in the Drop Zone Tactical Use Sleep System™. On its own, it is rated to -5c / 23f

The insulation is 100 % polyester continuos fiber, Climashield.

The bag is machine washable.

The bag is cut oversize for hard tactical use and most can climb inside with clothes on.

This is the bag to own if you are tired of 3rd world built, recreational grade garbage!

Order

17-1503020202 Right Hand Zip Classic Black XL Cut

17-1503021802 Right Hand Zip MultiCam XL Cut (special order only)

Data Sheet

Winkin Summer Sleeping Bag Over Bag



Fit Length: 1.95 m / 76”

Circumference at Shoulders: 1.8m / 71.5”

Zip: Right Hand

Packed Weight: 1.7 kg / 3.75 lbs

Packed Size Length: 43 cm / 17”

Packed Size Diameter: 23 cm / 9”

Machine Washable? Yes

Comfortable to: -5c / 23 f

All Tactical Use Sleep System Bags are shipped with a complimentary Drop Zone Gear Girdle.. absolutley free!



Handgun Pocket



18 MultiCam Shell
Optional at extra cost.



02 Black Shell
Standard Color

NOD WINTER BAG



The NOD is can best be described as the winter / cold weather component of the Drop Zone Tactical Use Sleep System™. Rated to minus -28c it should satisfy the needs of most serious users, but if not, it can be combined with the Winkin Over Bag to take it to an amazing -38c.

The insulation is 100 % polyester continuous fiber, Climashield.

The bag is machine washable. One caveat here though. You must make sure the machine drum is big enough for the bag!

The bag is cut oversize for hard tactical use and most can climb inside with clothes on.

This is the bag to own if you are tired of 3rd world built, recreational grade garbage!

Order #
17-1504020202 Right Hand Zip Classic Black XL Cut
17-1504021802 Right Hand Zip MultiCam XL Cut (special order only)

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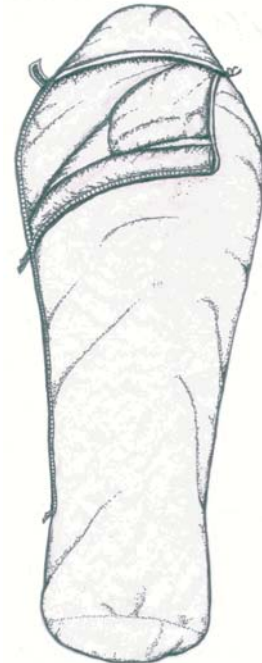
18 MultiCam Shell
Optional at extra cost.



02 Black Shell
Standard Color

Data Sheet

NOD Winter Sleeping Bag



Fit Length: 1.95 m / 76"
Circumference at Shoulders: 1.8m / 71.5"
Zip: Right Hand
Packed Weight: 2.7 kg / 5.9 lbs
Packed Size Length: 53 cm / 21"
Packed Size Diameter: 27 cm / 10.5"
Machine Washable? Yes
Comfortable to: -28c / -18 f

Draft Flap



Oversize Draft Tube

NOTES