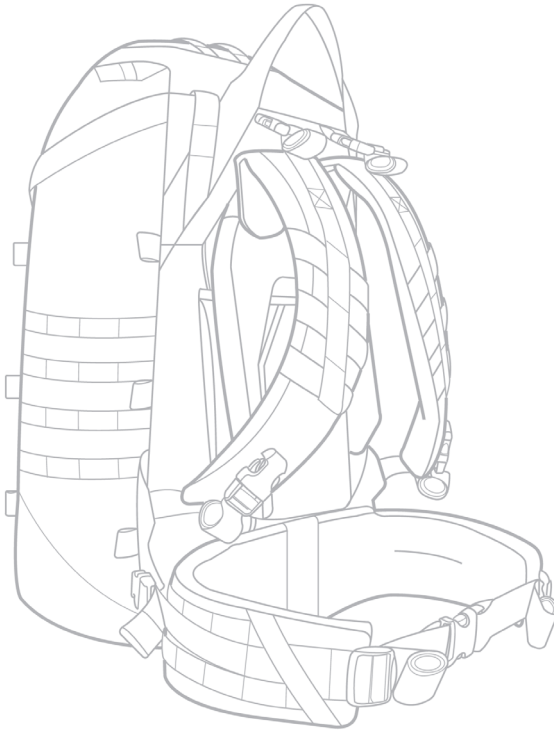




Switchblade™ Modular Pack System Setup & Features

Operator's Manual



OTHER PATENTS PENDING



SWITCHBLADE™



CATOMA®

Learn more about Switchblade System
at www.catoma.com/gear-overview

U.S. PATENT NUMBERS
#D630011 AND #8678258 B1

Switchblade™ Modular Pack System & Features

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INTRODUCTION

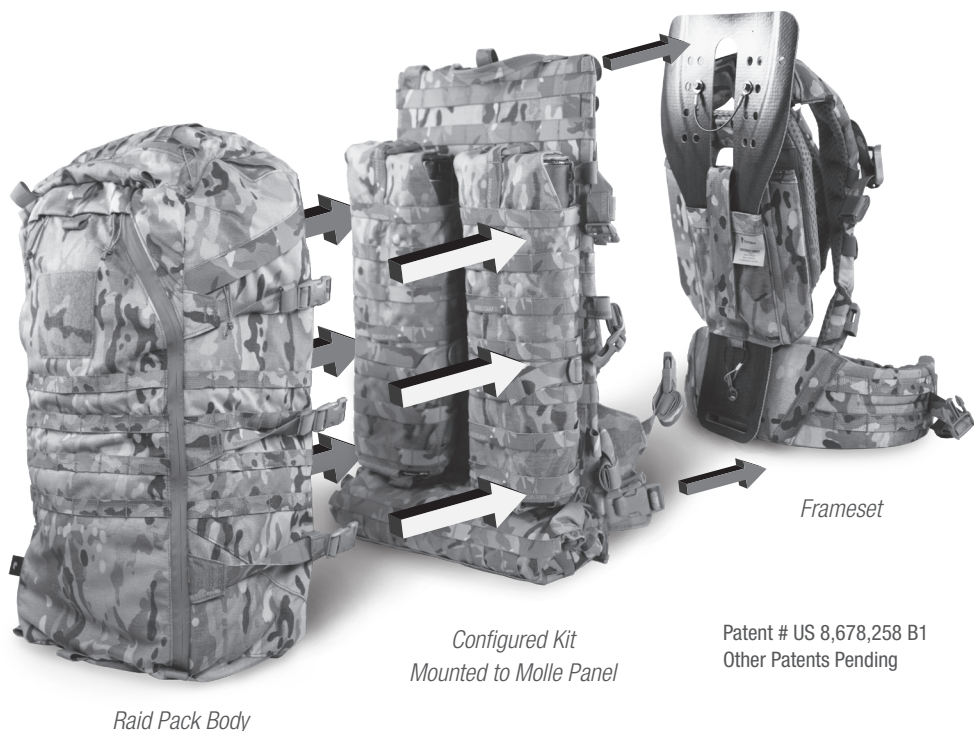
SYSTEM OVERVIEW

Modularity lies at the core of the Switchblade System. MOLLE (Modular Lightweight Load-Carrying Equipment) makes this possible. This system was designed based on soldier feedback. MOLLE is a modular Load-Carrying system designed to enhance the survivability and lethality of the modern warfighter. MOLLE is a replacement for the All-Purpose Lightweight Individual Carrying Equipment system (ALICE). As stated previously, the switchblade system is truly modular allowing the end-user to custom-fit their components as they desire. The following methods in this manual are mere suggestions.

STACKABLE COMPONENTS

Your components should already be assembled into configuration when it arrives. However, the modularity of the Switchblade system allows for multiple configurations. Should you choose to alter the configuration, refer to follow the Frameset Setup & Adjustments User Guide that is included with your gear or available online at www.catoma.com

Below is a diagram illustrating the layer of assembly. The kit starts with connecting the frameset to the molle panel / pack. Next, connect the desired pouches to the molle panel. Lastly, secure the pack body to the molle panel by connecting the six Patent Pending UniBuckles™ (three per side) to the side compression points.



COMPONENT ASSEMBLY

Enabled by Catoma's Patent Pending UniBuckle™, Switchblade components can be stacked to customize a user's load carriage suite for the mission at hand. Using the totally customizable platform offered by the Molle Panel as the center layer of the system opens up a world of possibilities for load carriage. From radios to munitions, weapons to medical kits, the sky is the limit for the Switchblade System.

MOLLE PANEL FRAME

Catoma's carriage systems for heavy weapons is made possible by the workhorse MOLLE panel. However, the MOLLE Panel is not limited to weapons and ammo carriage. It can be combined with practically any MOLLE attachment system or pouches to carry practically any load. When stacked with the other components of the Switchblade System, the MOLLE panel becomes one of the most modular load carriage items ever designed. Due to its versatile nature, the MOLLE Panel had to be overbuilt. The rigid fiberglass stays, Ripforce™ reinforcement points, and rugged Cordura outer material make this a backbone component the user can build onto with confidence.



Molle Panel + Frameset

PACK FEATURES

STORAGE

The Raid and Assault Packs are almost identical in their layout with the only real difference being the payload size. The Assault also features a detachable top lid for convenience. Visit www.catoma.com for specific product dimensions and payload ratings.

- » **FRONT ACCESS STORAGE** Primary access point for both packs. Quickly accessible by dual zippered panel.
- » **TOP STORAGE POCKET** with interior & exterior zippers for quick access to smaller items.
- » **DUAL SIDE POCKET STORAGE** sized to fit 3L hydration bladders. These side pockets feature both top and bottom openings for running hydration hoses.
- » **MOLLE PANELS** on front sides, top, bottom, and internally.
- » **COMPRESSION STRAPS** located internally and externally to keep your gear in place. To secure pack to a kitted frame, unclip patent-pending UniBuckles™ and secure to molle panel using six side buckles.



Assault Pack Body

Raid Pack Body

HYDRATION CONFIGURATIONS

Both the Raid and Assault feature hydration setups that can be routed from the side storage or main bay to the shoulder straps enabling the wearer to access water comfortably without removal. There are four routes for running the drinking line valve: two at the top of the pack body; two on the bottom of the pack. See illustration below for details.

DUAL TOP PORTS



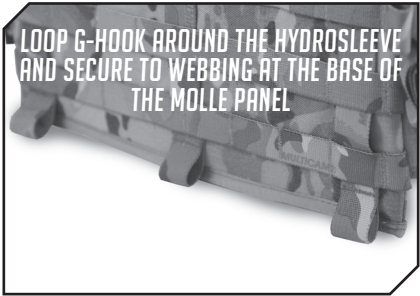
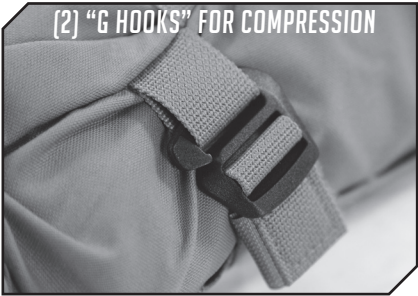
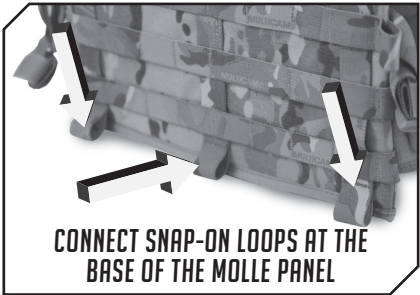
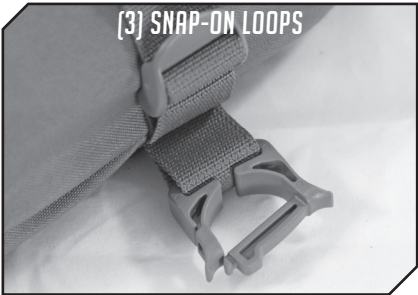
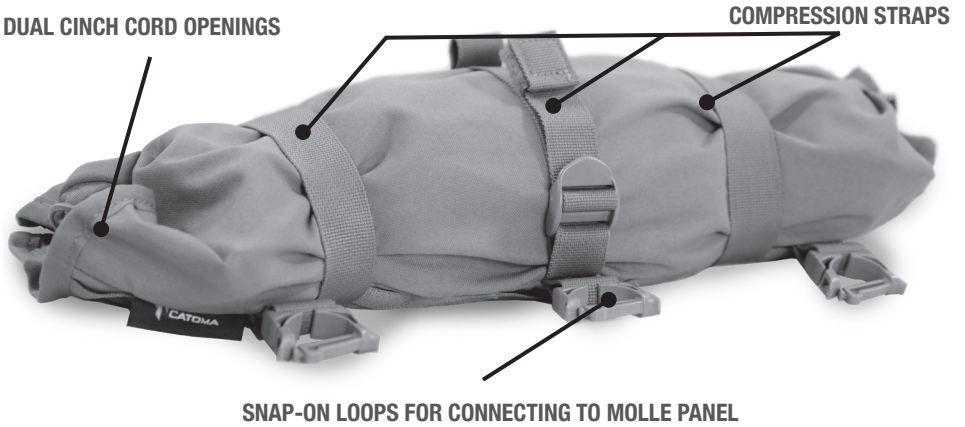
DUAL BOTTOM PORTS



ATTACHMENTS

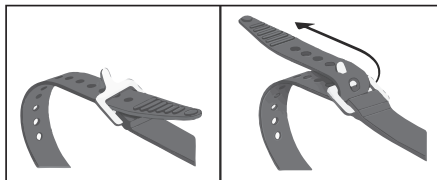
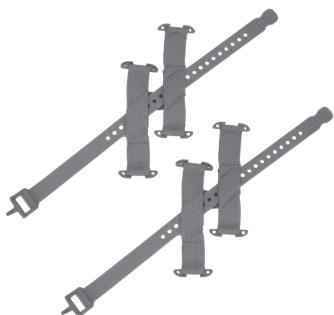
HYDROSLEEVE

This lightweight, well-thought-out pouch holds up to a 3L hydration bladder and can be attached via MOLLE either vertically or horizontally. On the heavy weapons systems, we recommend mounting it horizontally at the base of the Molle Panel.



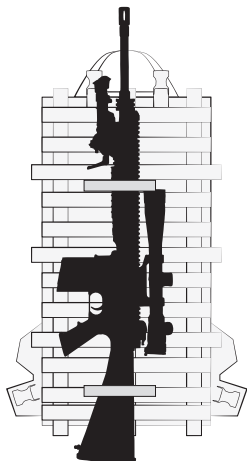
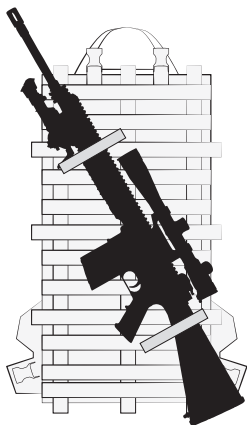
WR (WEAPON RETENTION) STRAPS

Weapon Retention Straps can be used with any molle panel on Switchblade gear. We suggest securing the straps to molle panel near the frameset and securing the pack over it.



HOW TO SECURE STRAPS See the illustration below for reference. With the opposite end of the loop, run the strap through the nylon loop and back in the same direction to secure the strap for travel.

MULTIPLE WEAPON MOUNTING CONFIGURATIONS



RIFLE SECURED BY WR STRAPS

M240 2-MAN TEAM PACK SYSTEM

M240 GUNNER PACK KIT

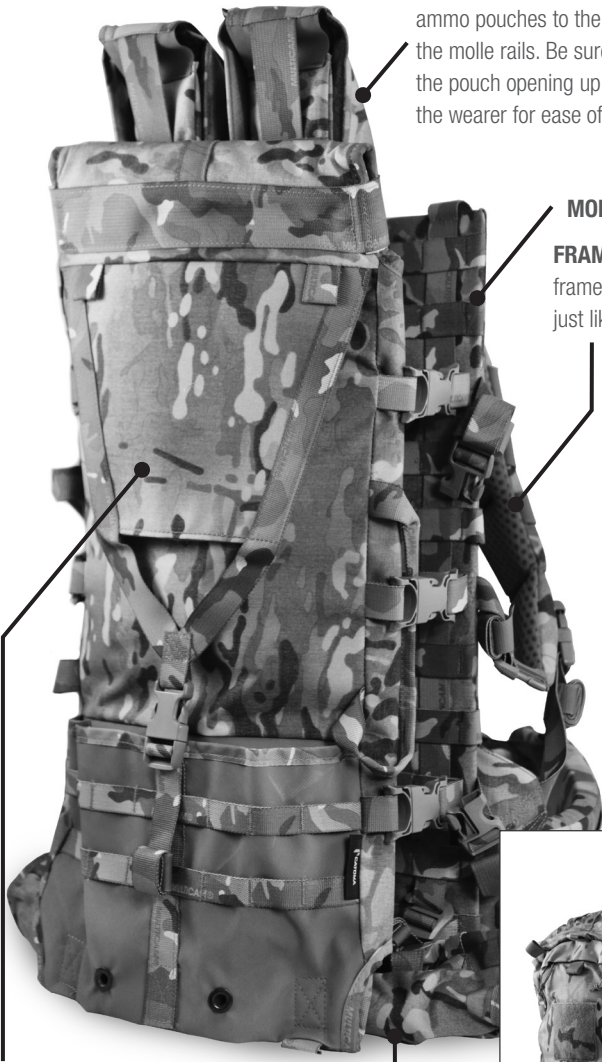
COYOTE: 98720-C
MULTICAM: 98720-MC



ASSAULT PACK BODY

FRAMESET connects to the pack body by connecting the 6 buckle points. See the Frameset Setup & Adjustments User Guide for detail instructions on setup.

M240 ASSISTANT GUNNER PACK KIT



(2) 300 ROUND 240 POUCH: Secure the ammo pouches to the molle panel by using the molle rails. Be sure to install them with the pouch opening up top facing away from the wearer for ease of access.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

BARREL QUIVER: Secure the barrel quiver to the molle panel by securing it with the 6 (3 per side) snap-on buckles before adding the pack body on top.

HYDROSLEEVE: Secure hydrosleeve to the bottom of the molle panel. For detailed instructions see page 8.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack with Components

M240 3-MAN TEAM PACK SYSTEM

M240 GUNNER PACK

COYOTE: 98725-C
MULTICAM: 98725-MC



ASSAULT PACK BODY

FRAMESET connects to the pack body by connecting the 6 buckle points. See the Frameset Setup & Adjustments User Guide for detail instructions on setup.

M240 ASSISTANT GUNNER PACK KIT



(2) 300 ROUND 240 POUCH: Secure the ammo pouches to the molle panel by using the molle rails. Be sure to install them with the pouch opening up top facing away from the wearer for ease of access.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

BARREL QUIVER: Secure the barrel quiver to the molle panel frame by securing it with the 6 (3 per side) snap-on buckles before adding the pack body on top.

HYDROSLEEVE: Secure hydrosleeve to the bottom of the molle panel. For detailed instructions see page 8.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack with Components

M240 AMMO BEARER PACK KIT



(2) 300 ROUND 240 POUCH: Secure the ammo pouches to the molle panel by using the molle rails. Be sure to install them with the pouch opening up top facing away from the wearer for ease of access.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE: Secure hydrosleeve to the bottom of the molle panel. For detailed instructions see page 8.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack with Components

81MM MORTAR 4-MAN TEAM PACK SYSTEM

MORTAR GUNNER PACK

COYOTE: 98751-C
MULTICAM: 98751-MC

WR STRAPS: Secure cannon by using the WR Straps. See page 9 for detailed information on the WR Straps.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

(2) MAG MUNITIONS POUCHES (SMALL): Secure the munitions pouches to the molle panel by using the molle panel webbing. We recommend offsetting the pouches to enhance weight distribution and balance when wearing. Once configured secure the molle panel to the pack body by connecting the buckles of the molle panel with the raid pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack with Components

MORTAR ASSISTANT GUNNER PACK KIT

WR STRAPS: Secure cannon by using the WR Straps. See page 9 for detailed information on the WR Straps.

ADJUSTABLE PLACEMENT: Pouches can be relocated to better accommodate various ammo lengths.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

(2) MAG MUNITIONS POUCHES (SMALL): Secure the munitions pouches to the molle panel by using the molle panel webbing. We recommend for this configuration, that the pouches be centered and level. Once configured secure the molle panel to the pack body by connecting the buckles of the molle panel with the raid pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack with Components

MORTAR AMMO BEARER PACK KIT X2



ADJUSTABLE PLACEMENT: Pouches can be relocated to better accommodate various ammo lengths.

(2) MAG MUNITIONS POUCHES (LARGE): Secure the munitions pouches molle panel. If possible, stack the pouches so that most of the weight is at the top, this will make the pack more stable when worn.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

X-FLAP: Secure the X-Flap to the pack body by using the hardware on the X-Flap. There are four strap points located on each of the four corners of the front of the pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



*Fully Assembled Pack
with Components*

MORTAR AMMO BEARER PACK KIT X2

(2) MAG MUNITIONS POUCHES (LARGE):
Secure the munitions pouches molle panel. If possible, stack the pouches so that most of the weight is at the top, this will make the pack more stable when worn.

ADJUSTABLE PLACEMENT:
Pouches can be relocated to better accommodate various ammo lengths.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

X-FLAP: Secure the X-Flap to the pack body by using the hardware on the X-Flap. There are four strap points located on each of the four corners of the front of the pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.





Fully Assembled Pack
with Components

60MM MORTAR 3-MAN TEAM PACK SYSTEM

MORTAR GUNNER PACK

COYOTE: 98750-C
MULTICAM: 98750-MC

WR STRAPS: Secure cannon by using the WR Straps. See page 9 for detailed information on the WR Straps.

ADJUSTABLE PLACEMENT: Pouches can be relocated to better accommodate various ammo lengths.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

(2) MAG MUNITIONS POUCHES (SMALL): Secure the munitions pouches to the molle panel by using the molle panel webbing. We recommend offsetting the pouches to enhance weight distribution and balance when wearing. Once configured secure the molle panel to the pack body by connecting the buckles of the molle panel with the raid pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



*Fully Assembled Pack
with Components*

MORTAR ASSISTANT GUNNER PACK KIT

WR STRAPS: Secure cannon by using the WR Straps. See page 9 for detailed information on the WR Straps.

ADJUSTABLE PLACEMENT: Pouches can be relocated to better accommodate various ammo lengths.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

(2) MAG MUNITIONS POUCHES (SMALL): Secure the munitions pouches to the molle panel by using the molle panel webbing. We recommend for this configuration, that the pouches be centered and level. Once configured secure the molle panel to the pack body by connecting the buckles of the molle panel with the raid pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack with Components

MORTAR AMMO BEARER PACK KIT

(2) MAG MUNITIONS POUCHES (LARGE):
Secure the munitions pouches molle panel.
If possible, stack the pouches so that most of the weight is at the top, this will make the pack more stable when worn.

ADJUSTABLE PLACEMENT:
Pouches can be relocated to better accommodate various ammo lengths.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

X-FLAP: Secure the X-Flap to the pack body by using the hardware on the X-Flap. There are four strap points located on each of the four corners of the front of the pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack
with Components

GUSTAF 2-MAN TEAM PACK SYSTEM

GUSTAF GUNNER PACK

COYOTE: 98760-C
MULTICAM: 98760-MC

WEAPON RETENTION STRAPS: Secure weapon by using the WR Straps. See page 9 for detailed information on the WR Straps.

FRAMESET: Connect the frameset to the molle panel just like a pack body

MOLLE PANEL

HYDROSLEEVE

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



Fully Assembled Pack
with Components

GUSTAF ASSISTANT GUNNER PACK KIT

(2) MAG MUNITIONS POUCHES (LARGE): Secure the munitions pouches molle panel. If possible, stack the pouches so that most of the weight is at the top, this will make the pack more stable when worn.

ADJUSTABLE PLACEMENT: Pouches can be relocated to better accommodate various ammo lengths.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

X-FLAP: Secure the X-Flap to the pack body by using the hardware on the X-Flap. There are four strap points located on each of the four corners of the front of the pack body.

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.



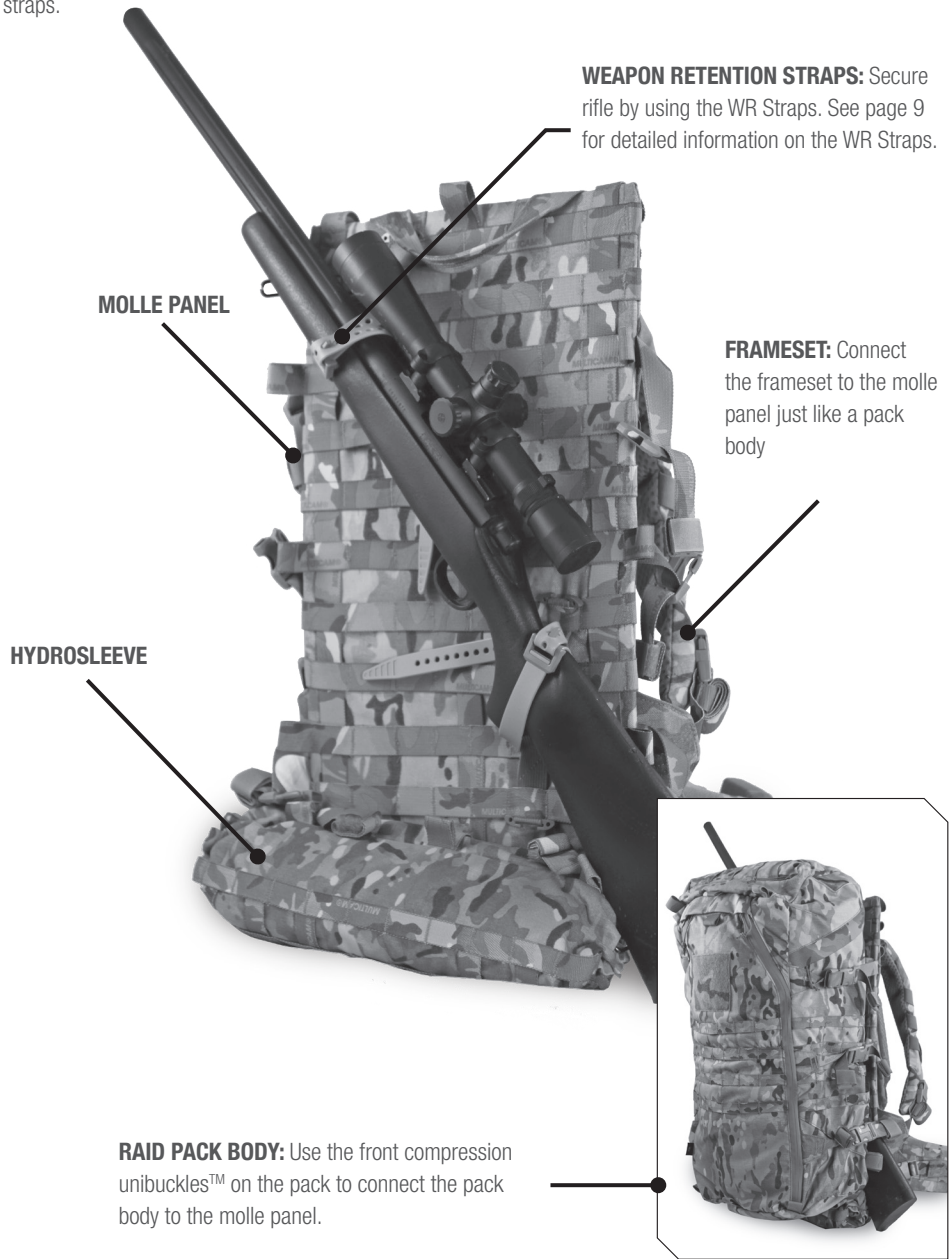
Fully Assembled Pack with Components

SNIPER PACK SYSTEM

SNIPER WEAPON PACK

COYOTE: 98706-C
MULTICAM: 98706-MC

NOTE: The Sniper Weapon Pack has various layouts. Below the rifle is show carried diagonally however, it can also be carried vertically if preferred for reduced hight and sway. The Hydrosleeve can also be attached horizontally or vertically. The pack body is secured to the molle panel frame by using the front compression straps.



WEAPON RETENTION STRAPS: Secure rifle by using the WR Straps. See page 9 for detailed information on the WR Straps.

MOLLE PANEL

FRAMESET: Connect the frameset to the molle panel just like a pack body

HYDROSLEEVE

RAID PACK BODY: Use the front compression unbuckles™ on the pack to connect the pack body to the molle panel.

Fully Assembled Pack
with Components

REPLACEMENT PARTS

INDIVIDUAL PART INFORMATION

ITEM	COYOTE	MULTICAM
Hydrosleeve	64509-HP-C	64509-HP-MC
Weapon Retention Straps	98675	N/A
Frameset	98669-C	98669-MC
Molle Panel	98650	98651
Assault Pack Body	98657	98658
Raid Pack Body	98655	98656
Barrel Quiver	98630-FLAP-C	98630-FLAP-MC
300 RD M240 Pouch	98640	98641
Munition Pouch - Small	98645-C	98645-MC
Munition Pouch - Large	98646-C	98646-MC
X-Flap	98665	98666

KITS (FULLY ASSEMBLED)

KITS	COYOTE	MULTICAM
M240 Gunner Pack Kit	98721-C	98721-MC
M240 Assistant Gunner Pack Kit	98722-C	98722-MC
M240 Ammo Bearer Pack Kit	98727-C	98727-MC
Mortar Gunner Pack Kit	98752-C	98752-MC
Mortar Assistant Gunner Pack Kit	98753-C	98753-MC
Mortar Ammo Bearer Pack Kit	98754-C	98754-MC
Gustaf Gunner Pack Kit	98761-C	98761-MC
Gustaf Assistant Gunner Pack Kit	98762-C	98762-MC
Sniper Weapon Pack Kit	98706-C	98706-MC

MAINTENANCE

The pack bag and framesheet do not require special maintenance. Try to keep the framesheet free of oils which may cause squeaking. DO NOT APPLY ARMORALL or any other oil-based solution to the framesheet. KEEP away from open flames. The pack's nylon fabric can get singed or melted. If something breaks and you need a replacement part contact us by phone at 800.826.0446 or online at www.catoma.com.

FEEDBACK

If you enjoy using our gear and would like to buy it for yourself visit www.catoma.com and be sure to take advantage of our military / law enforcement discount.



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