



PRODUCT NOMENCLATURE: SKED-EVAC OXYGEN BAG

---

**SKED-EVAC OXYGEN BAG, SK-1301  
(FIRE/FLAME RETARDANT CONSTRUCTION)  
NATIONAL STOCK NUMBER  
6530-01-537-8511**

Operations Enduring Freedom and Iraqi Freedom challenged **SKEDCOs Extreme Medicine™ Product Development Division** to enhance supplemental oxygen administration capability on the modern battlefield. **SKEDCOs** team accepted the challenge, designing the “*Next Generation*” oxygen bag, the **SKED-EVAC Oxygen Bag, SK-1301**.

Throughout development, emphasis was placed on fit, form, and function along with casualty and operator safety resulting in a bag ready to meet the rigors of static or mobility operations, today, tomorrow, and into the future.

Fire/flame retardant protection was achieved through the use of a **CARBON X®** inner liner followed by a layer of **VILENE** insulation, and two layers of 3000 denier **KEVLAR®**. The outer most storm layer uses 1000 denier coyote brown **CORDURA®** nylon providing overall durability to the bag.

The bag is compatible with standard or jumbo D aluminum or steel oxygen cylinders. Cylinders are held in place by a web matrix constructed entirely of **KEVLAR®** webbing and secured with 3000 lb. tensile strength **SKEDCO Aluminum Side-Release Buckles**. The aluminum buckles serve two purposes; they are stronger and more durable than traditional plastic side-release buckles and the aluminum construction prevents sparking in an oxygen rich environment. All materials critical to the integrity of the bag are sewn exclusively with **KEVLAR®** thread.

Sufficient storage space is provided throughout the bag along with accommodating one oxygen cylinder. The oxygen cylinder retention sleeve has a flat pocket designed to store oxygen administration guidelines. The oxygen valve and regulator protective flap provides internal storage for two 60” securing straps provided with the bag that allow the bag to be secured to an approved evacuation device or platform tie-down points. Two detachable **MOLLE/PALS** general purpose utility pouches provide storage for the **CPR-EMXbt Oxlator** or equivalent, pocket mask, nonbreathing mask, extension tubing, and oral and nasal pharyngeal airways.

# OPERATIONAL USE GUIDELINES

## STEPS 1-12 SK-1301 ASSEMBLY WITH OXYGEN CYLINDER, EQUIPMENT, AND SUPPLIES

**STEP 1.** Assemble, inventory, and inspect oxygen administration equipment and supplies.



**STEP 2.** Open oxygen bag completely, secure oxygen cylinder (standard or jumbo D aluminum or steel cylinder), and separate regulator from cylinder. Set regulator aside for later use.



**STEP 3.** Place the base of oxygen cylinder in bottom of oxygen bag, adjust KEVLAR® Oxygen Base Sizing Strap (see insert A) securely around base of cylinder, and lay cylinder inside bag.



**STEP 4.** Loop yoke of KEVLAR® Oxygen Cylinder Vertical Retention Strap (see insert B) over cylinder valve; DO NOT secure strap at this time.



**STEP 5.** Fasten Oxygen Cylinder Retention Sleeve (see insert C) securely around middle of cylinder preventing lateral movement and providing cylinder stability while bag is open.



**STEP 6.** Fasten KEVLAR® Oxygen Cylinder Vertical Retention Strap Aluminum Side-Release Buckle (see insert D) and adjust strap, eliminating vertical movement of cylinder.



## OPERATIONAL USE GUIDELINES

- STEP 7.** Secure Oxygen Cylinder Thermal Protective Side Panels by overlapping panels and firmly secure VELCRO® closures.



- STEP 8.** Fasten upper and lower KEVLAR® Oxygen Cylinder Horizontal Retention Strap Aluminum Side-Release buckles (see insert E), and adjust straps to eliminate horizontal movement of cylinder.



- STEP 9.** Stow regulator in Oxygen Valve and Regulator Protective Flap (see insert F) for safe storage if the system is not to be used at this time.



- STEP 10.** Secure left and right Oxygen Valve and Regulator Protective Flap Plastic Side-Release Buckles (see insert G) and adjust straps to eliminate vertical movement of the flap.



- STEP 11.** Attach two SKEDCO General Purpose Utility Pouches (see insert H) to MOLLE/PALS webbing on outside of bag. (If pouches are pre-attached at factory, precede to STEP 12.) Pouches should be attached facing opposite directions to facilitate opening, closing, and retrieval of equipment and supplies.



# OPERATIONAL USE GUIDELINES

- STEP 12. Stow oxygen administration equipment and supplies in pouches IAW unit guidelines.



## STEPS 13-15 PLACE SK-1301 INTO OPERATIONAL USE

- STEP 13. Attach regulator to oxygen cylinder in accordance with (IAW) manufacturer's instructions.



- STEP 14. Remove two SKEDCO Oxygen Bag Securing Straps from Oxygen Valve and Regulator Protective Flap and lace straps through 1.75" webbing (see insert I) located on rear of bag.



- STEP 15. Secure bag to an approved evacuation device or approved evacuation platform tie-down points. \*The manufacturer strongly recommends facing the cylinder valve away from the casualty when placed on an approved evacuation device.



### **WARNING!**

**OXYGEN IS HAZARDOUS!  
OXYGEN USE IN AUSTERE OR TACTICAL ENVIRONMENTS IS EVEN MORE HAZARDOUS!  
OXYGEN EMPLOYMENT MUST BE AUTHORIZED BY THE OPERATIONAL COMMANDER.  
FOLLOW STANDARD OPERATING PROCEDURES  
REGARDING OXYGEN EMPLOYMENT AT ALL TIMES.  
THE SKED-EVAC OXYGEN BAG, SK-1301 MAY PROVIDE THE OXYGEN CYLINDER ADDITIONAL  
PROTECTION FROM UNEXPECTED EXPOSURE TO FIRE/FLAME ALLOWING PERSONNEL AND  
CASUALTIES TIME TO EGRESS THE AREA  
FURTHERMORE, THE SK-1301 IS NOT DESIGNED TO BE BULLET OR BLAST RESISTANT AND  
SKEDCO, INC. MAKES NO SUCH CLAIMS.**