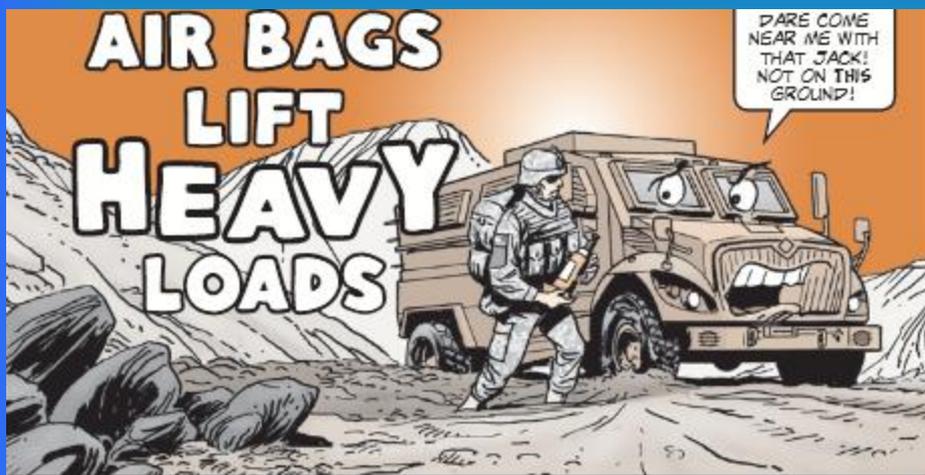


AIR BAGS LIFT HEAVY LOADS

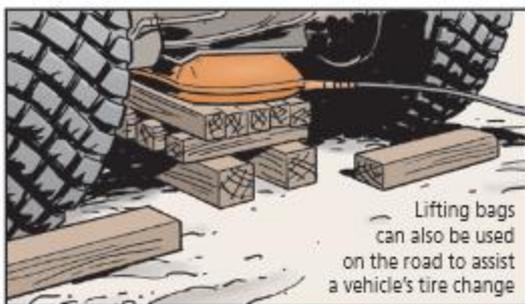


Did you know that airlifting bags that can lift heavy loads are available in the Forward Repair System (FRS)?

The Army often uses them during maintenance operations to lift vehicles or in emergency situations, such as removing personnel from underneath vehicles or collapsed structures.

Lifting bags can also be used on the road to assist a vehicle's tire change. Their large area of ground contact makes them helpful on unstable ground and low clearance areas that conventional bottle jacks can't get underneath.

Lifting bags, KPI-44 and KPI-74, come with the FRS. The KPI-32 is part of SATS (Standard Automotive Tool Set).



HERE'S THE CAPACITY OF EACH BAG...

Air Lifting Bag	Weight and Height Capacity
KPI-74	70.2 tons, 20 inches
KPI-44	41.5 tons, 15 inches
KPI-32	29.9 tons, 13 inches

Lifting bags are inflated using compressed air from an air compressor or a vehicle's air system that provides at least 118 psi. Although the lift rating decreases as the lift height increases, you can stack up to two bags to increase the total lift height.

Storage length and width dimensions differ for each bag, depending on a particular bag's lift rating. The deflated thickness for each bag is one inch or less. For example, the KPI-74 (70.2 tons) bag's storage dimensions are 37" x 37" x 1".

To use the lifting bags, you need a controller kit that includes a pressure regulator, air hoses and inflation controller, as well as shutoff adapters to operate the bag from your vehicle's air system. These items are available separately as part of the FRS and SATS. However, the additional components are required if you purchased air bags and don't have an FRS or SATS.

By the way, if your FRS never came with a KPI-74 air lifting bag, go to this website: <https://pmskot.army.mil/wcstart.cfm>

There you'll get a free bag and accessories. But the equipment is free only if it hasn't already been retrofitted under your unit's FRS's serial number.

If you have any questions about the FRS and air lifting bags, email the FRS system acquisition manager, Larry Rigsby: larry.e.rigsby2.civ@mail.mil

If you have any questions about recovery techniques, write to TARDEC's Towing and Recovery team: emily.a.neville2.civ@mail.mil