



H2RESQ

Your rescue partner.



RAPID EXTRACTION SKED®-RES-

PAT. PENDING



SAVING LIVES SINCE 1981

MANUAL



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SKED® SAVES LIVES

Congratulations on your purchase of the Sked® Rescue System. You will find it a valuable tool that will enable rescues to be performed safer, faster, and easier. The Sked® Stretcher is an entirely different concept in stretcher design. Therefore, potential rescuers should practice and familiarize themselves with the Sked® prior to using it on an actual rescue.

The Sked® Stretcher provides excellent patient support and protection. However, it is NOT designed as a spinal immobilization device. If a spinal injury is suspected, secure the patient to an approved spinal immobilization device prior to placing him/her in the Sked®. The Sked® Stretcher will accommodate long and short backboards, scoop stretchers, Oregon Spine Splint II™ and most other immobilization equipment. A backboard must be used in conjunction with the Sked® Stretcher on patients who have sustained injuries to the shoulder area.

NEVER SUSPEND THE SKED® STRETCHER BY THE GROMMETS. Use the slings and webbing in the manner for which they are provided. The Sked® Stretcher should be stored in the cordura pack, as prolonged exposure to sunlight (UV rays) can damage all plastics.

Skedco manufactures several other components for the Sked®. Those components will enable you to use your Sked® for many different types of rescues. Confined space, high angle, rough terrain, military, and water rescues are some of the applications of the Sked®. See your Skedco catalog for the proper components for your Sked® application.

ALWAYS use a tag line when hoisting a Sked® or any other kind of stretcher by helicopter because without it all litters can spin.

WARNINGS

Sked Stretchers may only be used by trained persons who have been instructed in use and have the appropriate knowledge.

No modifications or additions may be made to the equipment without prior written consent of the manufacturer and that all repairs may only be carried out in accordance with the measures specified by the manufacturer.

Important Note for Resellers; If the equipment is resold to another country, the reseller must provide instructions for use, maintenance and periodic inspections and repair in the language of that country.

Always check the legibility of the product labelling.

Danger can arise when combining individual elements of the equipment by impairing the safe function of one of the elements or components equipment may be impaired.

RAPID EXTRACATION SKED

The Rapid Extraction Sked Stretchers are designed for increased safety and speed of packaging and extraction of patients from the battlefield and other environments. They are lighter weight and have a harness included for greater safety and to keep the patient properly positioned in the litter. The Horizontal lift slings are the same as the previous models except that they are both the same length. In the manner they are used they break at 80KN and there are two of them. The vertical lift sling is incorporated into the attached harness thus eliminating the rope used in previous models of the Sked. This saves a lot of time as they are always connected and ready for use. Rather than weaving a rope through the grommets and remembering how to tie the knots, all you do is release the screw link at the head end and clip it into the helicopter winch hook or the rope rescue haul system. The harness is very unique too. The vertical webbing is woven through the Sked cross strap eyes and are connected at the top with a triangular screw link that is rated at 22KN minimum break strength. The straps are connected at the lower end by a Cobra buckle that is used in many brands of rescue harnesses.

At the lower end of the harness are adjustable leg loops that are secured around the patient's upper leg in order to lift his weight. They are sewn to the vertical harness webbing at the side of the Sked. In case of an amputation you just use one leg loop around the existing leg. If both legs are amputated the leg straps are buckled to each other to form a loop around the patient's lower torso which will keep him positioned in the upper part of the Sked which makes it far easier to handle the Sked. This configuration of the leg straps also makes it possible to form an improvised junctional tourniquet which will aid in controlling bleeding.

At the top end of the harness there is an attached chest harness to keep the patient from sliding out in case the Sked somehow gets inverted. It is crossed across the patient's arms and shoulders and will form an X over the chest for maximum safety.

The full size R.E. Sked is 72 cms wide at the torso area and tapers toward the foot end to provide excellent patient access without opening the Sked. The vertical straps of the harness are passed from the inside out through beefy #7 grommets and the screw link at the head end is secured to the center grommet at the top end of the Sked on the outside. This will keep it from not being dragged on the ground when not in use. When hoisting the Sked in the vertical position you simply release the retainer bar from the grommet and clip the screw link into a winch hook of rope rescue haul system.

Prior to hoisting in the vertical position it is necessary to grasp the drag handle of the Sked and pull the head end of the Sked up so it is curled over the patient's head for added safety in case the Sked gets inverted and to protect the patient from small falling objects. Safety and attention to detail is always paramount. See instructions.

FACT SHEET

The full size R.E. Sked is 71 cm wide at the torso area and tapers toward the foot end to provide excellent patient access without opening the Sked. The vertical straps of the harness are passed from the inside out through beefy #7 grommets and the screw link at the head end is secured to the center grommet at the top end of the Sked on the outside. This will keep it from not being dragged on the ground when not in use. When hoisting the Sked in the vertical position you simply release the retainer bar from the grommet and clip the screw link into a winch hook of rope rescue haul system.

Prior to hoisting in the vertical position it is necessary to grasp the drag handle of the Sked and pull the head end of the Sked up so it is curled over the patient's head for added safety in case the Sked gets inverted and to protect the patient from small falling objects. Safety and attention to detail is always paramount. See instructions.

The (SK-RES) Rapid Extraction Sked® comes with:

SK-RES01-GR or OR: Rapid Extraction Sked® Body Only

SK-RES02-CB or OR: Cordura backpack

SK-RES03-GR or OR: Horizontal Lift Slings (pair)

SK-204: Sked® Tow Strap

SK-206-B: Steel Locking 'D' Carabine

GR = O.D. Green

OR = Orange

CB = Coyote Brown

Stretcher is available in the following colours:

OD Green

Orange

SIZE

Rolled in cordura pack

:23 cm diameter x 71cm length

Laid out flat:

:71cm x 240cm

WEIGHT

:8.1kg. complete with accessories listed be

MATERIAL

:Low density E-Z glide polyethylene plastic

** Nylon webbing

** Solid brass grommets

** Cobra buckles

TEMPERATURE RANGE

:Begins to melt 230 degrees C to 260 degr

** Usability to - 84 degrees C without becoming brittle.

HORIZONTAL LIFT SLINGS

:Webbing tensile strength 45 KN.

Safety Work Load

:250kg



TO UNROLL SKED® STRETCHER AND LAY FLAT



1. Unbuckle the foot end straps and pull upward on them to partially unroll the Sked.



2. Step or kneel on the foot end of the Sked and place your hands under the rolled part of the Sked and lift up on the rolled part causing it to unroll in your hands as you lift.



3. After it is completely unrolled, grasp the head end with one hand and move one foot to the side while standing on the Sked with the other foot.



4. Reach around the backside of the Sked and fold it over your arm. Then reverse-roll it against your body and drop it to the ground. Do the same on the foot end and the Sked will lay completely flat.

TO PLACE A PATIENT ON THE SKED®:



5. Unbuckle all straps and lay them to the sides of the Sked.



6. Make a ramp for dragging the patient onto the Sked by folding a few inches of the foot end downward. This will prevent patient's clothing from hanging up on it while being dragged onto the Sked.



7. Place the foot end of the Sked at the head of the patient if possible. Drag the patient onto the Sked in line with his spine. If a spinal injury is indicated use the Oregon Spine Splint or other suitable short device. On the battlefield you may not have an immobilizer or cervical collar That is why you drag the patient in line with his spine. If his head is near an obstacle place the head end of the Sked at the patient's feet and grasp his feet to pull him onto the Sked.

TO PLACE A PATIENT ON THE SKED®:



8. Fasten the leg loops around the patient's upper thighs in the groin area to keep him in the proper position in the Sked.



9. Bring the shoulder straps over the patient's shoulders and fasten them on the opposite side of the stretcher forming a cross over the patient's chest.



10. Fasten all cross straps and tighten them. Tighten all harness straps, especially the leg straps. Fasten the foot end straps making sure to keep the feet inside between the straps



11. Now the Sked can be dragged.

VERTICAL LIFT/DESCENT

12. For doing a vertical lift, curl the head end of the Sked above the patient's head by pulling down on the drag handle webbing and tie it off onto the second cross strap using an overhand knot. This will protect patient from small falling objects. Then tuck the drag handle away so it isn't in the way. Release the triangular screw link from the grommet at the top and clip it into the winch hook or haul system.



13. It is necessary to bring the patient in the Sked into a sitting position prior to hoisting to prevent lifting his head and causing discomfort or injury.



WARNING

Suspension trauma, also known as suspension intolerance or orthostatic shock, has been reported to affect victims who are suspended within a body harness for a prolonged period of time (5 to 30 minutes). If the signs and symptoms of suspension trauma are the same to those of shock. Suspension trauma should be considered where the victim has been suspended by a harness for a prolonged period, and is exhibiting any of the following:

faintness / breathlessness / sweating / paleness
nausea / dizziness / low blood pressure / loss or 'greying' of vision / unconsciousness

If one of these symptoms occurs, you will need to bring the patient within the harness to a horizontal position.

HORIZONTAL LIFT/DESCENT

14. When hoisting the Sked in the horizontal position pull the head end of the Sked up over the patient's head by pulling downward on the drag strap. Tie the drag strap over the second cross strap from the head end in an overhand knot. This will help protect patient from impacting objects. Then pull the horizontal lift slings under the Sked and pass them into the round holes on the sides of the Sked.



15. Using the provided carabiner, secure the ends of the straps over the patient. Clip the winch hook or haul system into the locked carabiner. It is necessary to use a tagline attached at the foot end or side of the Sked to prevent litter spin under a helicopter as all litters spin during hoist.



ROLLING UP THE SKED

Putting the Sked away after use. Inspect all parts of the Sked for damage or excessive wear. Replace any damaged parts.



1. Fasten all buckles and straps as shown on page 1.

2. Start rolling the Sked from the head end as tight as possible. Use your knee or knees to keep the Sked as small as you can.




3. Continue rolling it and when you reach the end continue rolling over the extended straps until the straps encircle the Sked.




4. Fasten the cobra buckles and tighten the straps.

FAQ


What does “SKED” stand for?

 Though we spell it with capital letters, SKED® is not an acronym. It came from fusing two words: “Sled” and “Skid.” The early idea behind the product was that it was a SLED that SKIDDED across all types of terrain. Initially, the SKED® was used as a game carrier to tote wild game back to a hunter’s camp. It has since morphed into the life-saving device that’s used today, worldwide. Like many iconic products that are the first of its kind in the market, the brand has come to epitomize the product itself.

When does the SKED stretcher need to be replaced?

 We have a max time limit off 10 years, when the SKED® needs to be replaced because different rescue professionals use it in different ways for different lengths of time. If there is any damage to your stretcher, please reevaluate if you should be using it.
If you have questions do not hesitate to call us.

What should I do if the straps on my SKED are starting to fray?

 We have replaceable straps – the SK-208C. The SKED-EVAC® Aluminum Side Release Buckle Conversion Kit features Austrian-made Skedco/Cobra side release buckles. These buckles are dependable and strong enough to meet the needs of securing a patient into a SKED® stretcher without the danger of breaking the buckle or accidental release.

What should I do if my SKED is missing a grommet?

 SKEDCO uses two grommet sizes that can be found at most local hardware stores. There are in total 3 different sizes: the smaller grommet is a size #3, and the larger sizes are #5 and #7. Call your local Distributor they are able to make the repair.

NOTES

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MAINTANANCE

INSPECTION FORM VISUAL CHECKING OF THE SKED STRETCHER

TEXTILE PART: Condition of webbing (cuts, wear, burns) Condition of stitching (broken, pulled, or worn threads)
 METALLIC PART: Condition of anchor-rings (deformation, marks, cracks, wear, corrosion) Condition of the adjustment buckles deformation, marks, cracks, wear, corrosion)
 PLASTIC PART: Plastic sheet (deformation, marks, cracks, wear, corrosion)

OPERATIONAL CHECK G TM TR R C

G: Good / TM: To Monitor / TR: To Repair / R: Reject / C: Comment

Date of inspection :..... Date of next inspection :.....

Inspected by..... Company name:.....

Historical Check:.....

Year of manufacturing:.....

Date off Purchase:.....

Ind. serial nr:.....

PRODUCT	G	TM	TR	R	C
BODY STRETCHER					
HORIZONTAL SLINGS					
VERTICAL HARNAS					
KARABINER					
EXTRA HANDLES					
TOW STRAP					
GROMMETS					

COMMENTS.....

VERDICT: The product is fit to remain in service. The product is unfit to remain in service

In addition to routine checks for each use, Stretchers should regularly undergo a detailed inspection by a competent person. Skedco Europe recommends an inspection every 12 months and after any exceptional event in the life of the product.

Inspections that do not come into any of the categories listed above, any of which would require the systematic rejection or the component, namely:

- Component has received forces resulting from a fall of factor 1 or more.
- Component has had more than 6 months of intensive use, 12 months of normal use, 10 years of occasional use.

The inspector accepts no responsibility in the case of omission or inaccuracy in the information concerning the checking of the component's history, which must be done by the client.

Cleaning - Disinfection

E. Cleaning - Disinfection / Nettoyage - Désinfection



+ 30°C max.
+ 86°F max.

Drying.

F. Drying / Séchage




+ 30°C max.
+ 86°F max.

Storage, Do not store in:

- Wet environment
- Humid enviroment
- Vibrations
- UV Radiaton
- Sharp Edge Situation
- Keep product cool & dry

CERTIFICATION / LABEL




SCAN ME


PRODUCT
ART NR
COLOUR
STANDARD
PRODUCTION DATE
SERIAL NUMBER

SKEDCO RES
SK-RES-XX


EN1497:2007



READ
INSTRUCTIONS





0158



MAX:1 PERS

Notified Body: Dekra Testing and Certification GMBH

Your rescue partner.

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 The Netherlands

Product meets the requirements of:
 DIN EN1497:2007

For Example the Serial Number is 2102012
 24= year of manufacturing / 02=week off purchase / 012=unique number
 Colour: OR=International Orange / CB=Coyote Brown / GR=Green

By scanning the QR Code with a free app on your smartphone, you can instantly download the manual on your phone or tablet.



TRANSLATION

(1) Type Examination Certificate

- (2) No. of the Type Examination Certificate: **ZP/B012/24**
- (3) Product: **Rescue system**
Type: Rapid Extraction Sked
- (4) Manufacturer: **H2ResQ BV**
- (5) Address: **Industrieweg 36-04, 3606 AS MAARSSEN, THE NETHERLANDS**
- (6) The design of this product and any acceptable variation thereto are specified in the schedule to this Type Examination Certificate.
- (7) The certification body of DEKRA Testing and Certification GmbH certifies that this product complies with the fundamental requirements of the standard listed under item 8 below. The examination and test results are set out in the report PB 24-012.
- (8) The requirements of the standard are assured by compliance with

DIN EN 1497:2007
DIN EN 1865-1:2010 Ziffer 5.4.1
- (9) This Type Examination Certificate relates only to the design, examination and tests of the specified product in accordance to the standard list. Further requirements of the Directive apply to the manufacturing process and supply of this personal protective equipment. These are not covered by this certificate.
- (10) This Type Test Certificate is valid until 2029-01-25.

DEKRA Testing and Certification GmbH
 Bochum, 2024-01-26

signed: Brumm
 Managing director

We confirm the correctness of the translation from the German original.
 In the case of arbitration only the German wording shall be valid and binding.


 Managing director

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This certificate may only be published in its entirety and without any change.
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SKED[®]



THE COMPLETE RESCUE SYSTEM

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