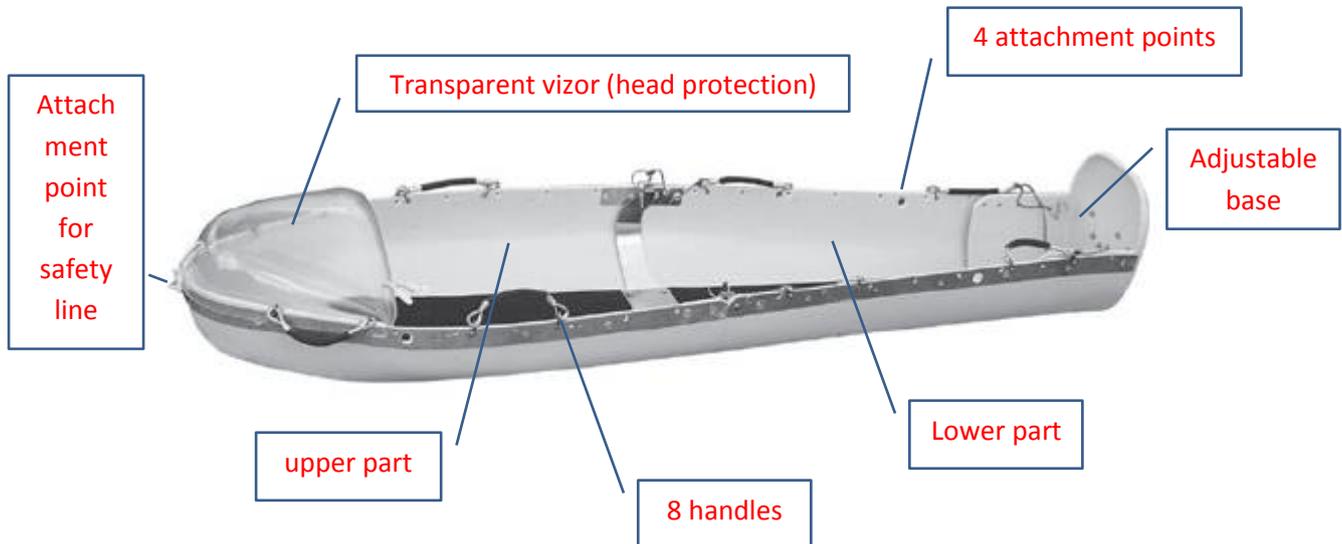


The „Schwarzer“-stretcher: (*)

Specifications & description:



Weight = approx. 20kg

Material = polyester

Construction = hard shell stretcher, bendable in the middle

Loading and securing a casualty into the stretcher:

1. Adjust the correct length of the stretcher (if necessary prepare foot-wedge)
2. Place insulating jacket in stretcher
3. Put safety harness on casualty
4. Place casualty in "Michelin" sleeping bag
5. Prepare foaming kit
 - a. Warm the two aerosol cans by body heat (15-20min.)
 - b. Careful operation is important as foam is very sticky (use gloves)
 - c. Place plastic foil in stretcher
 - d. Shake well the cans
 - e. Extinguish any open fire first (!)
 - f. Turn cans upside down and spray the foam evenly
 - g. Let react on open air for 5min.
 - h. Moisten second plastic foil and place it on foam by avoiding air lock
 - i. Place casualty in stretcher. Foam is warming up.



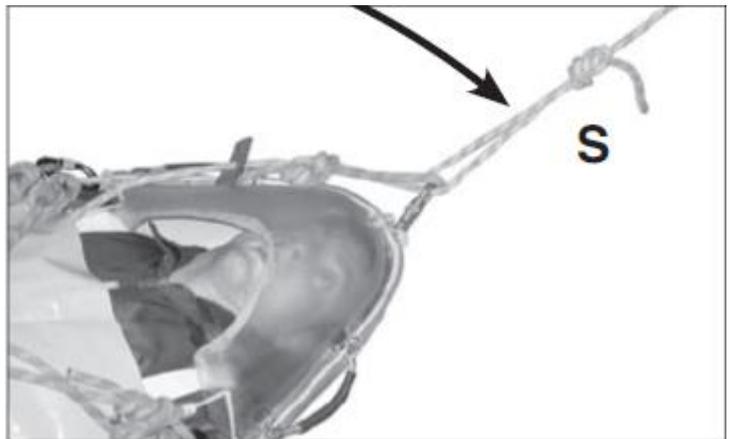
- j. Inform mission control that casualty will be ready for transport in about 45min.
 - k. Let foam coming up on both sides, keep plastic foil open
 - l. Turn away excess foam
 - m. Start transport
6. Move casualty inside stretcher
 7. Link safety line with casualty's harness
 8. If extension is necessary, attach harness of casualty and use foot-wedge
 9. Protect Head of casualty with sponge material, eventually safety goggles and ear protectors
 10. Attach cover (tarpaulin) from the middle to both ends
 11. Fix the vizor

Fixture of the stretcher:

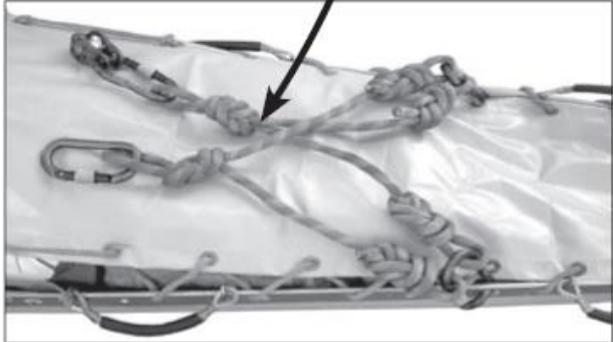
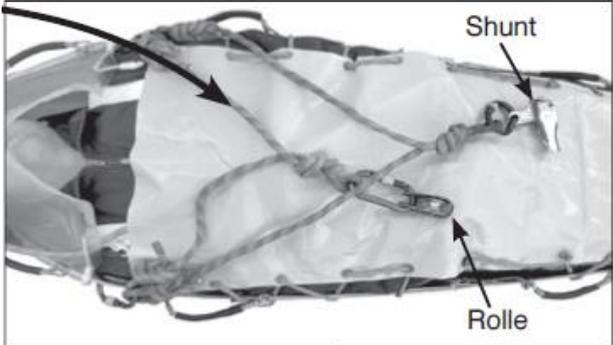
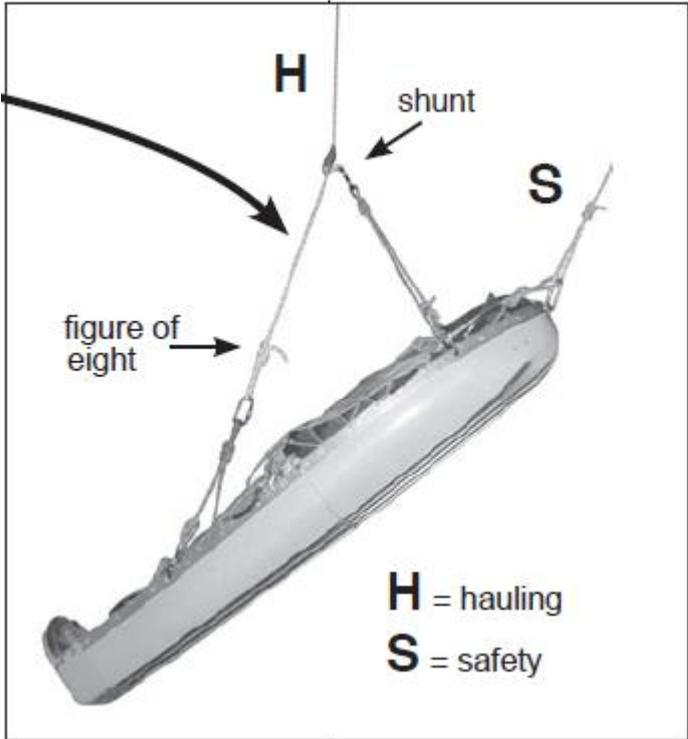
All ropes are attached to the stretcher by symmetrical carabiner.



The safety line is attached to the head of the stretcher and is connected by a short rope with the harness of the casualty.

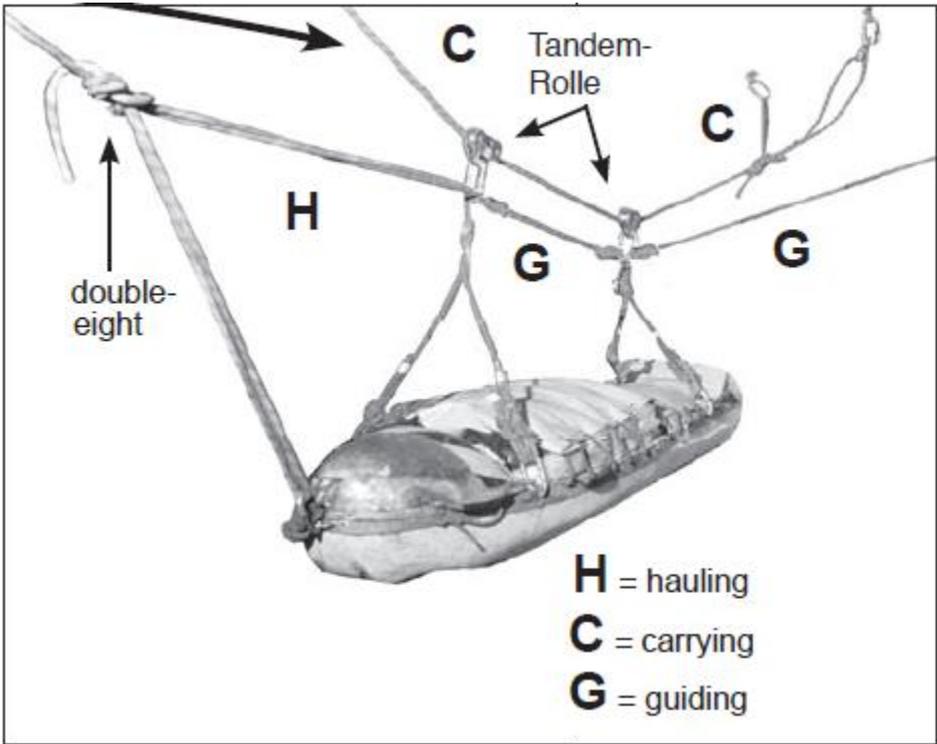


Two out of four dynamic slings are used to attach the stretcher on the hauling rope.



By moving the shunt the stretcher is tilted easily.

Tyrolean:



(*) This text is an extract of the Rescuer Handbook of the Swiss Cave Rescue (edition 2005).

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