



LAMPE-LIFTER® for rescue and recovery operations with 1 bar working pressure

Whenever a fast rescue on a soft underground and / or an instable load is in demand, the LAMPE-LIFTERS are used.

Our LAMPE-LIFTERS are of a super-stable special tissue coated with neoprene, they are cold vulcanized and are all designed with at least 3,6-fold bursting resistance.

Especially in case of rescue operations our devices approve themselves, the **quick start** due to the **low weight** and the drop of unnecessary measures like emergency timbers, rescue human lives.

The working pressure of 1 bar is very well suited to perform particularly technical operations, as this low surface pressure (10 N/cm²) is absorbed by many constructions without causing permanent deformations.

The righting of vehicles with the aid of our LAMPE-LIFTERS can not only be performed faster than with or without the aid of cable pulls or cranes, mostly it is also much more gentle for the vehicles.



Thereby the tactic used is a relatively simple one: Stepwise lifting - first creating the necessary space with a small LAMPE-LIFTER and then pushing the load with a larger device over the centre of gravity.



Also assembly works like the attaching of an excavator bottom to the corresponding upper part can be made with 1-bar devices also on a relatively soft underground and this without an understructure of safety timbers..



Right on such operations the advantage of air-lift pumps is appreciated when a load can be easily pushed something sideways. With hydraulic tools one would need for this work one whole day, with LAMPE-LIFTERS the work is done within max. 2 hours.



Of course also we come up against limiting factors on extremely soft grounds for example in the moor. Here, where about 0.4 bar may be applied without understructure, the pressure is distributed with the help of timbers on a larger surface. So, if handled properly, also special crawlers with a weight of 18 tons can be easily recovered out of the moor.



The technical system of our LAMPE-LIFTERS is clearly structured. The Lifters are **clearly marked by yellow stripes** as tools, also in dirt

zones. We provide the 1-bar Lifters only with **oil and petrol-resistant hoses** with a metal spiral. Therefore they are absolutely non-buckling. The 1-bar hoses are marked blue. Primary pressure extension hoses and pressure reducers are marked yellow. The **one-hand couplings of the system** can always be operated with one hand.



Of course also the material of the LIFTERS is well **oil, petrol, acid and alkali resistant and antistatic**. Furthermore our devices are **very age-resistant**. A **lifetime of more than 30 years** could already be proven.

Showing such a good age-resistance, the possibility of an eventual repair is also very important. **All LAMPE-LIFTERS are repairable.**



The field of usage of our LAMPE-LIFTERS is nearly unlimited.

So we can also offer special devices for the aircraft recovery with 0.5 bar or LAMPE-LIFTERS with a working pressure of 10 bar for raising heavy loads; more details about these devices can be taken out of special catalogues.

Just contact us; we can offer you the suitable device for each operational purpose.