



## Safe Assembly of Hoses with **LÜDECKE** as Developing Partner

### All relies on the Optimal Assembly

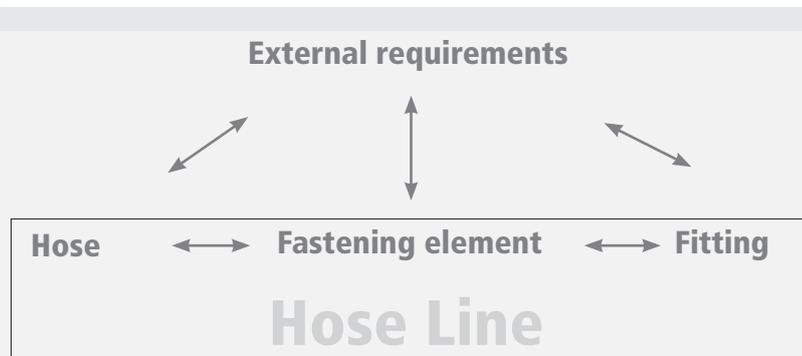


High-quality couplings and fittings are the premise for a reliable and safe operation - regardless of working area and used media.

However, only the functional interaction all of the affiliated components of a hose line achieves a permanent and satisfying result.

A hose line contains a flexible hose with fittings on both ends (e. g. hose couplings), which are assembled with fastening elements (e. g. clips, ferrules or clamps).

## Not always without Problems



Everyone who is involved with the assembly of fittings on hoses unavoidably encounters the following problems:

There are a number of **hose manufacturers** that, due to non-existent standards, offer different hoses for one and the same hose size and identical operational applications. The differences lie within the inner and outer diameter of the hose wall. Also, the construction and the material of the hose can vary.

On the other side, there are the **fittings and couplings manufacturers**. They offer a large number of various fittings and assembly methods for the standard hose sizes from the hose manufacturer. But just like for the hoses, there are also measurement tolerance requirements for the fittings. This could lead to differences in the form and measurements of the barb contours from different manufacturers.

Assembled hose lines often show strong behavior variations with pressure and temperature. This usually leads to large problems, subject to application, with the security of the assembled hose and fitting.

Furthermore, the requirements continually increase on hose lines in terms of resistance to pressure, environment, operating temperature, chemical substances and outer mechanical stress.

# Every Connection is only as Strong as its Weakest Link



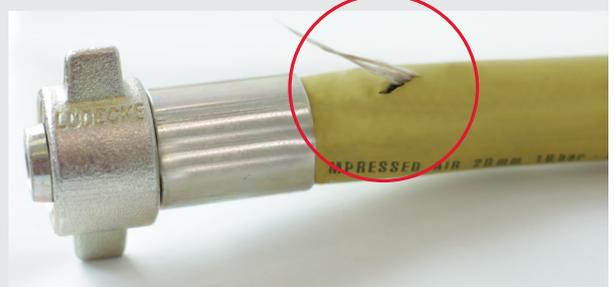
Information about the maximum working pressure and application temperature for the individual components of a hose line can usually be taken from a data sheet.

- But what does the assembled state look like?
- Is the barb contour suitable for special hoses?
- How does the assembly behave when the hose heats during operation?

Due to the variety of impacting parameters, it is not possible to make a generalized statement about the reliability of the hose line based on the individual components.

Also, take into consideration that the distributor of such a hose assembly, generally, may be made liable for possible claim of compensation due to personal and/or material damages, as well as production downtime!

Busted hose - **LUDECKE** -fitting incl. assembly hold



## **LUDECKE** - Your Competent Partner for Professional Hose Assemblies

We help you to eliminate possible insecurities right from the start and answer all of your questions. Just send us your desired hose type – we will advise you to choose the right fitting and correct assembling method.

As an experienced manufacturer of high-quality fittings, you benefit from our know-how and our superior testing possibilities. In addition, we employ accredited hose assembly inspectors and testers. When the hose line is complete and assembled, we test it under pressure and therefore a reliable statement over the reliability can be made.

With this said, you receive the optimal solution for the application from us!

### REQUIRED INFORMATION FOR THE TEST:



Sample of desired Hose



Conducted Media



Working and Environmental Temperatures



Outer Stress (static/dynamic)



Hose Line Working Pressure



Height and Frequency of possible Pressure Surges

If you cannot find a suitable measured fitting for your hose, we can produce a customized solution from a specified quantity.