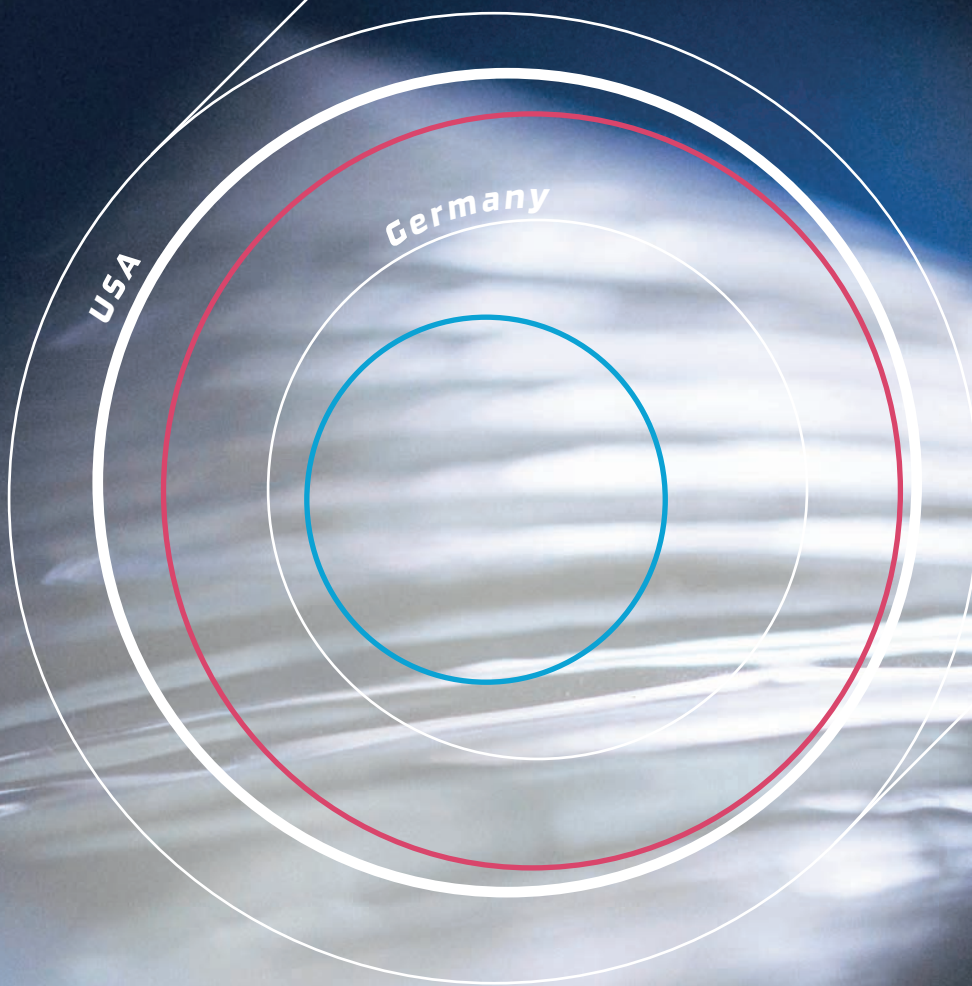




# WALZEN TECHNIK

DR. FREUDENBERG GMBH



*Your Partner for  
PU Dredging Hoses*

# RibopurDH: PU Dredging Hoses

**H**ere at FKM innovation means venturing into something new, with the result that we are able to find the best solutions to our customers problems. That is why our research- and production development department has worked in exchange with customers and under practical conditions to introduce to you:

A patented world debut (EP322 5373).

Polyurethane dredging hoses are in many ways superior to their predecessors, hoses made of rubber. They offer definite advantages, such as:

- Significantly higher wear resistance
- Lower environmental pollution
- A high bond strength between the wear layer and the fibre reinforcement
- Considerably shortened delivery periods
- No adhesion problems of the different assembly parts of the hose like steel/ polyester/ polyurethane
- Faster production
- Computerised rotational casting technology
- Further FKM location in the United States of America
- Made in Germany



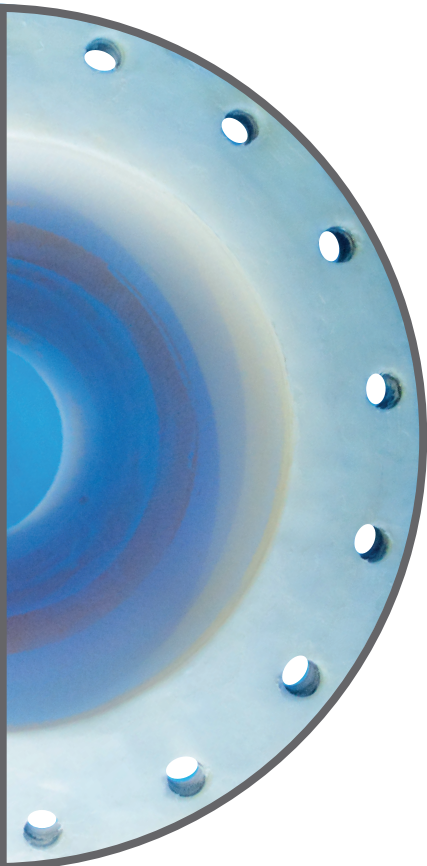
**INFO\_** Pressure- and dredging hoses made of polyurethane are environmentally friendly, because their flexibility does neither rely on plasticisers nor on low molecular oils. This means, that no traces of said substances can be washed out of the material.

We are proud to report, that thanks to significantly less abrasion by gravel, sand or shells, fewer plastic particles enter waters. The abrasion also amounts to only a third of a conventional rubber hose.



## Technical Data

Method	Test	Figure PU	Figure Rubber
DIN 53505	Shore A	76	75
DIN 53512	Rebound [%]	61	33
ISO 2781 / Method B	Density [g/l]	1,09	0,96
DIN ISO 4649 / Procedure A	Abrasion [mm <sup>3</sup> ]	34	106
DIN 53504	Elongation at Break [%]	550	349
DIN 53504	Breaking Stress [Mpa]	35	19
<b>PU Specific Tests</b>			
DIN ISO 815	Compression at RT, 72h [%]	38	—
DIN ISO 815	Compression at 75°C, 24h [%]	43	—



**W**e are able to produce hoses in standardised sizes (regarding pressure range, inner diameter and length). In case your company is in need of special sizes, please do not hesitate to contact us. Due to the excellent material properties of polyurethane and our unique production method, we are able to meet specific tolerances in an exact and precise fashion.

Apart from innovation we define excellent customer service as our core mission. This is why we broadened our spectrum in regards to our spare parts supply. Whether you require spare seals, profiles or wear parts of any kind - we will deliver them to you at a high quality and a cost-effective price.







**Product Management**

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» We are your specialists for development,  
production and service. «



**WALZENTECHNIK**  
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DIN ISO 9001