

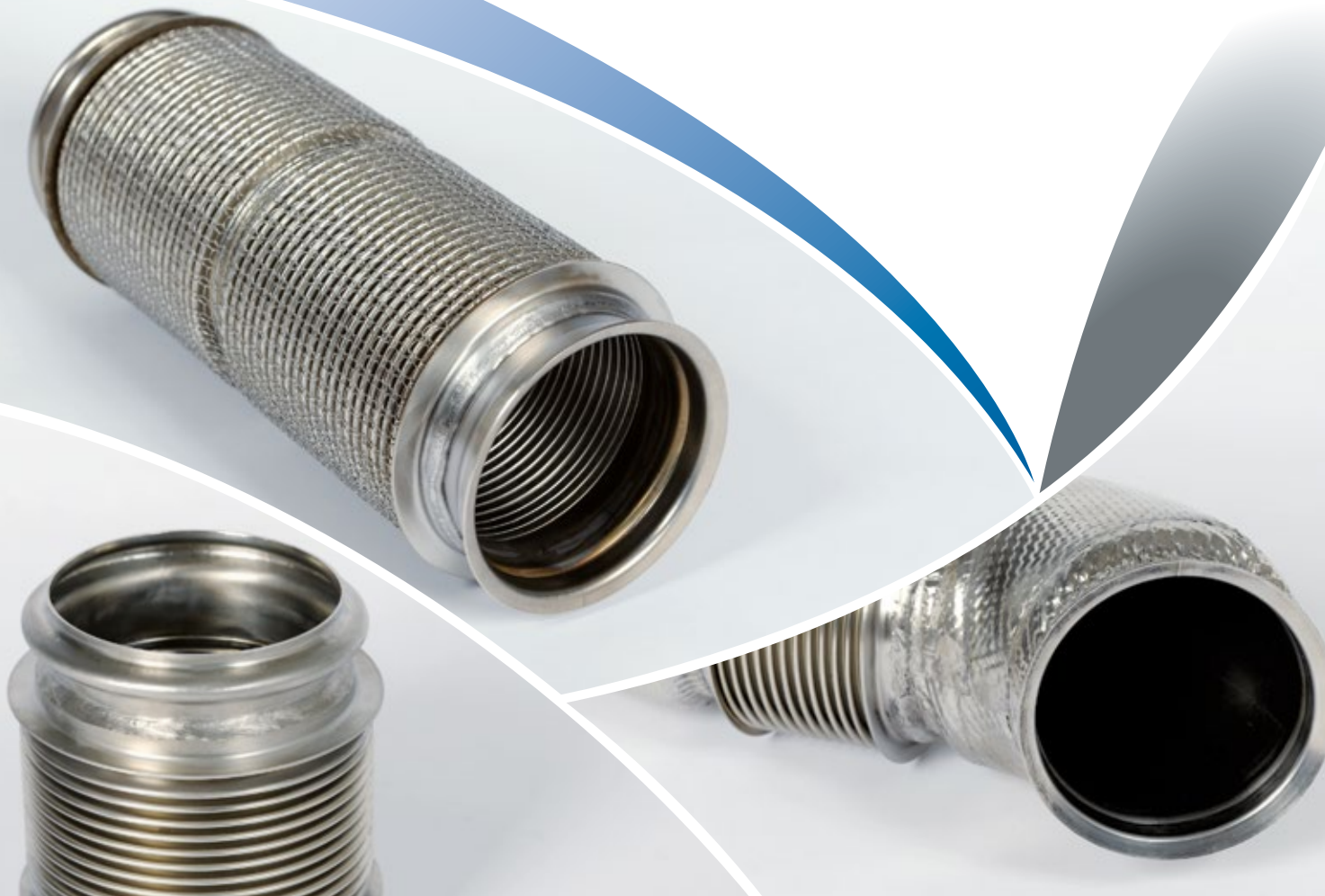
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FLEXONICS

Industrial Engineering || **Land Vehicles and Engines** || Power Generation || HVAC

Flexible Exhaust Hoses for Commercial Vehicles and Off-Highway Applications

The single or multi-ply metal hoses are technically absolutely gastight.
They decouple movements of exhaust systems and engine vibrations.



Flexible Exhaust Hoses for Commercial Vehicles and Off-Highway Applications

Benefits

Product and Design

- Customized design as per technical requirements
- Standard material stainless steel 1.4541 (similar to AISI 321) up to high grade heat resistant material as stainless steel 2.4856 (similar to INCONEL 625)

Optional Components

- Integration of liner for an optimized gas flow and as damping for reduction of natural frequency
- Outer mesh for reduction of resonance frequency and as protection against environmental impact
- Customized heat protection to keep exhaust temperature and to protect the surrounding components

In-house Capabilities

- Large existing tooling equipment for different diameters from (e. g. NB 80, NB 90, NB 100, NB 110, NB 125, NB 130)
- Different simulation methods like fatigue analysis and damage calculation
- Road load data acquisition (RLDA)
- Various validation rigs for testing based on customer data



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