

# Exhaust Line Components

FLEXIBLE EXHAUST LINE SUSPENSION SYSTEM.



CUSTOMISABLE

- **HIGH VIBRATION ISOLATION FOR VARIOUS FREQUENCIES**
- **DOUBLE PLY EXPANSION JOINTS**
- **FAST DELIVERY**
- **ENGINEERING SUPPORT**



LEXSYS is an exhaust gas line system that reduces vibration and noise by dealing with the thermal expansion of piping and in-line equipment. The LEXSYS solution increases system lifetime and lowers maintenance costs significantly.

When mounted rigidly, traditional exhaust gas lines are a common source of noise and vibration nuisance. The heavy steel piping allows vibrations to travel freely throughout the structure, producing a negative effect on working and living conditions. Thermal expansion and contraction reduce the system's lifetime significantly.

With LEXSYS, Trelleborg offers a cost-effective solution for exhaust gas systems for all types of engines and ships. Every solution utilises our engineering skills and experience in isolating vibration and noise, and comes with a proven track record in shipbuilding, offshore, defence and machinery. All LEXSYS solutions ensure that thermal expansions and contractions are completely compensated within the exhaust line and the impact of the engine caused vibrations and noise are minimized. To meet specific requirements, customized solutions can also be engineered.

#### **VIBRATION ISOLATION**

- Rotation frequency engine
- Ignition frequency engine
- Other disturbance frequencies

#### **ADVANTAGES**

- Cost-effective
- 2D and 3D engineering
- Short delivery times
- Double-ply expansion joints
- High vibration isolation
- Engineering support

#### **SYSTEM COMPONENTS**

- Fixed points
  - Suspension points
  - Supporting points
- Sliding points
- Double-ply expansion joints
- Rain caps
- Deck and bulkhead penetrations