

GEISLINGER SILENCO®



ENHANCED
ACOUSTIC
PERFORMANCE



GEISLINGER® 
POWERTRAIN SOLUTIONS. BUILT TO LAST.

GEISLINGER SILENCO®

The Geislinger Silenco® Coupling is an acoustically optimized misalignment coupling. It consists of maintenance-free composite membranes with increased damping properties, composite shafts, flanges, and steel spacers for length adjustments to adapt to the installation situation. The lightweight coupling provides resistance to heat, frost, oil and offers electrical insulation as an option. Depending on the acoustical needs and torque of your system, different versions of membranes, flanges, and shafts are available.

DESCRIPTION

The lightweight Geislinger Silenco® coupling is designed to minimize the transfer of the structure borne sound. Its modular system is comprised of components with the best acoustical performance. Additionally, to further optimize the coupling, special flanges made out of a combination of composite material, elastomer and steel have been specifically developed for the Silenco®. Designed to avoid resonance effects of its components, the Geislinger Silenco® coupling ensures an extensive reduction in the transfer of structure-borne noise. Asymetric designs for further acoustic optimizations are possible.

All components of the Geislinger Silenco® coupling are acoustically optimized, including its

- ❑ flanges, with or without elastomer layers.
- ❑ maintenance-free composite membranes with increased damping capabilities.
- ❑ composite shafts.
- ❑ steel spacers for length which can be adjusted to each type of installation.

The Geislinger Silenco® coupling is made from advanced materials and is calculated for a lifetime. They show superior chemical resistance and are electrically insulating.

APPLICATIONS

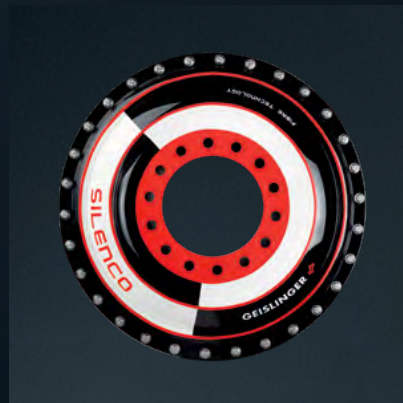
- ❑ Low noise applications
- ❑ Electric drives
- ❑ Marine
- ❑ Rail
- ❑ Industrial applications

ADVANTAGES

- ❑ Optimized acoustic attenuation with maximized transmission loss
- ❑ Lightweight
- ❑ Adaptable to customer needs
- ❑ Maintenance-free
- ❑ Low reaction force
- ❑ No special tools required for assembly – can be assembled with standard tools
- ❑ Almost non-magnetic
- ❑ Electrically insulating

TECHNICAL DATA

- ❑ Ambient temperature: -45°C to 100 °C
- ❑ Angular misalignments: up to 5°



Acoustically optimized flange



Modular concept



Optional elastomer interlining



Geislinger Coupling



Geislinger Silenco®



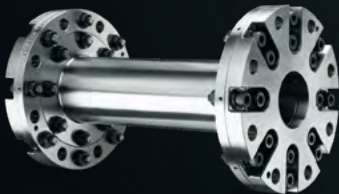
Geislinger Carbotorq®



Geislinger Monitoring



Geislinger Damper



Geislinger Flexlink



Geislinger Vdamp®



Geislinger Gesilco®



Geislinger Gesilco® Shaft

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