

# Exhaust Decoupling Rings & Mesh Sleeves

Excellent vibration damping and sound attenuation



Protecting People, Property and our Planet

**Our Exhaust Decoupling Rings and Mesh Sleeves are used extensively in exhaust decoupling joints and load support assemblies.**

KnitMesh supplies a range of Exhaust Decoupling Rings & Mesh Sleeves that are used to absorb vibration, reduce noise, and compensate for the effects of thermal expansion.



## Principles of Operation

Transverse mounted engines generate high levels of vibration that requires the fitting of a robust jointing system between the engine manifold and exhaust system.

Our Decoupling Rings withstand the harsh environments encountered and provide exhaust manufacturers with an ideal solution to the significant energy absorption problem.

Decoupling Rings are usually fabricated in stainless steel and can be configured in either cylinder form or designed specifically to suit housings for individual customers.

In Flexible Tube Assemblies, Mesh Sleeves are positioned, either directly beneath or on top of the braid, in order to provide abrasion protection and to facilitate significant reductions in noise & vibration. In some circumstances the sleeves can be removed completely in order to yield a significant cost reduction.

## Features & Benefits

- High levels of temperature and corrosion resistance
- Excellent vibration damping and sound attenuation
- Stitch shape can be modified to control performance
- Bespoke designs: to fit ceramic bricks of any shape or size
- State-of-the-art manufacturing and test facilities
- Can be combined with perforated metal components
- Cost effective: low cost tooling and rapid prototyping

## Quality Assurance

KnitMesh Technologies® is accredited to:  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,  
PAS 99:2012 and IATF 16949:2016



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