

Spacer Rings

Manufactured using
state-of-the-art techniques



Protecting People, Property and our Planet

Our knitted mesh Spacer Rings and Air Gap Seals are used on dual-pipe exhaust systems and down pipes to maintain a constant gap.

KnitMesh supplies Spacer Rings and Air Gap Seals in a virtually limitless range of profiled shapes, sizes and materials to suit a wide variety of pipe designs.



Principles of Operation

Sandwiched between the inner and outer exhaust pipes, Spacer Rings ensure a constant gap is maintained during the thermal expansion that occurs as a result of the extreme temperature changes occurring within the exhaust system.

The Spacer Rings serve to protect the exhaust components by utilising the resilience of the spring-like properties of the wire 'loops' created during the knitting process. The Spacer Rings also perform as effective noise and vibration dampers.

Spacer Rings can be produced using a broad range of stainless steel wires including 304, 316, 321, 309, 310 and 310S. Additionally, Inconel 601* can be used in applications where temperatures exceed 1000°C.

For enhanced shape definition, a knitted mesh sleeve can be placed around the outside of the wool packing.

*Inconel is a registered trade mark of Special Metals Corporation, USA.

Features & Benefits

- Accomodate movement due to thermal expansion
- Excellent noise supression and vibration damping
- Enhanced protection of exhaust components
- Manufactured using state-of-the-art techniques
- Materials suitable for temperatures exceeding 1000°C
- Available in a wide variety of profiles and materials
- 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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