

# Separation Rings

The brand of choice for the design, development and supply of Separation Rings



Protecting People, Property and our Planet

**Our knitted mesh Separation Rings are designed to maintain a constant gap between two ceramic honeycomb bricks in twin-brick catalytic converters.**

Separation Rings produced from knitted mesh provide significant advantages over alternative solutions such as ease of installation, with no chipping of the ceramic monolith, and the ability to withstand temperatures exceeding 1000°C.



## Principles of Operation

Twin-brick catalytic converters require a component to ensure that a constant gap is maintained between the two ceramic honeycomb bricks.

Knitted mesh Separation Rings ensure the gap is consistent, whilst also preventing gas erosion of the intumescent mats.

Spacer Rings can be produced using a broad range of stainless steel wires including 304, 316, 321, 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

- Ideal for round and oval ceramic monolithic bricks
- Prevents gas erosion of intumescent mats
- Easy to install
- More cost effective over alternative solutions
- No chipping of the ceramic monolith
- Improved sealing and lower risk of gas bypass
- Materials suitable for temperatures exceeding 1000°C

## 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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