

Catalytic Convertor Mesh Wraps



KnitMesh Technologies® wraps are designed to protect the delicate ceramic honeycomb brick within catalytic convertors from shock and vibration damage. Constructed from crimped knitted wire mesh, sometimes in conjunction with an integral strip of intumescent mat material, they are normally joined to make a one piece component that is easily fitted over the brick assembly in the canning process.



How They Work

Tiny springs are created during the knitting process that cushion the ceramic and prevent damage from the most severe vibration a convertor might experience.

Materials of construction include grade 304, 316, 321, 310, and 310S stainless steel. High nickel content alloys such as Inconel* 601 are used for high temperature applications particularly when the convertor is positioned close to the engine manifold.

KnitMesh offer a quick prototyping service to help engineers fast track developments.

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

Quality Assurance

KnitMesh Technologies® is accredited to:
ISO9001:2008, ISO14001:2004, OHSAS18001:2007, PAS
99:2006 and ISO/TS 16949:2009



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Features and Benefits

- Highly effective protection for delicate ceramic honeycomb.
- Recyclable.
- Easy fit for cost efficient mass production.
- Withstand high temperatures and corrosive exhaust gas.
- Fit any shape or size of ceramic brick.
- Manufactured using low cost grade 304 stainless steel for low temperature applications or high nickel alloys capable of withstanding > 1000°C.
- Can be combined with perforated metal components if required.

