

# Phuzion<sup>\'fyü-zhən\</sup>



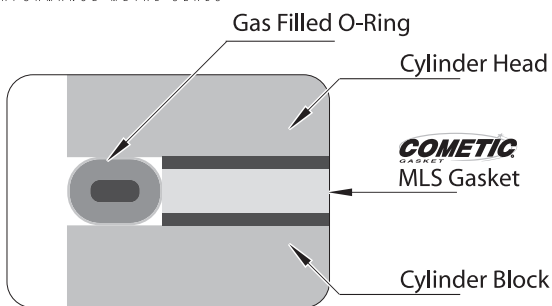
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Cometic Gasket's *Phuzion* is the next stage in head gasket development. *Phuzion* is comprised of a Cometic MLS head gasket and multiple Garlock Helicoflex gas filled o-rings.

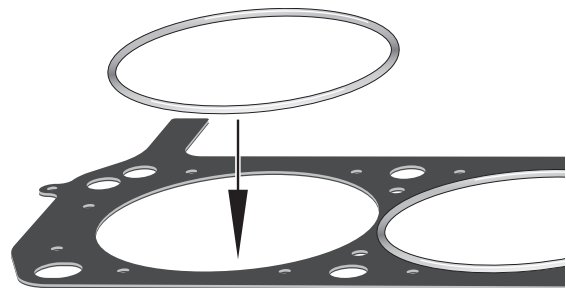
By combining the two technologies a superior combustion seal is created without machining any grooves in your block and/or head.

The gas filled o-ring portion of *Phuzion* is manufactured from high strength aerospace tubing capable of withstanding ultra high combustion temperatures and pressures. Additionally each ring is plated with silver to increase the sealing level and minimize brinelling. The silver also aids in withstanding head to block movements without burnishing the surfaces. The real innovation to the gas filled o-ring though, is the gas itself. During the manufacturing process the gas in the ring is sealed in at 500-600 psi at room temperature. As the engine is warmed up, the gas is heated increasing the pressure inside the ring causing it to expand. This allows the ring to seal the combustion even in the event of head liftoff.

**Garlock Helicoflex<sup>®</sup>**  
PERFORMANCE METAL SEALS



The MLS gasket portion of *Phuzion* is what gives you the ability to use the gas filled o-rings without machining any grooves in your block and/or head. MLS head gaskets are comprised of three layers. Viton coated embossed spring steel outer layers and a steel inner layer, which provides support and thickness to the gasket. Embossments on the MLS gasket allow for proper seal around oil and water passages.



#### *Phuzion* Requirements:

Head and Deck surfaces should be within .002" of flatness and have a surface finish of 50RA or finer. The compressed operating thickness of *Phuzion* is .051".

#### *Phuzion* is currently available for:

Bore Size	Part Number
85MM / 3.346"	51A3501
87MM / 3.425"	51A3580
88MM / 3.465"	51A3620
89MM / 3.504"	51A3659
90MM / 3.543"	51A3698
93MM / 3.661"	51A3816
94MM / 3.701"	51A3856
97MM / 3.819"	51A3974
102MM / 4.016"	51A4171
105.15MM / 4.140"	51A4295
106.15MM / 4.180"	51A4335
106.70MM / 4.200"	51A4355

Gas Filled Rings manufactured by

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PERFORMANCE METAL SEALS