

Permaseal MLS-R Head Gasket Construction

The **Permaseal MLS-R** range of head gaskets has been developed to meet rigorous performance requirements. Engineered, designed and manufactured in Japan to exacting tolerances Permaseal MLS-R head gaskets offer the performance engine builder the highest levels of uncompromising quality.



Active Layers

The top and bottom outer or active layers are manufactured from pre-coated stainless steel, specifically developed by NOK for use in automotive applications, ensuring excellent micro sealing of engine fluids with precision embossing around critical sealing points to provide additional fluid sealing performance. The use of pre-coated materials ensures greater control of the coating thickness for optimum pressure distribution over the entire gasket.

Control Layer

The centre or control layer is manufactured from steel and ensures the head gasket's overall thickness tolerances are met.

Stopper Layer

Manufactured from stainless steel and measuring only 0.15mm thick the stopper layer features a precision fold around the cylinder bores creating an additional load point around the combustion chamber. Combined with additional embossing on the active layers the stopper layer delivers truly superior sealing of combustion gases. It is the stopper layer that sets the true high performance gaskets apart from competition.

permaseal **MLS-R**
HIGH PERFORMANCE