



COMPONENTS FOR EXHAUST SYSTEMS

Prod. Group No. 5440



Components of exhaust systems for the automotive industry



Advantages:

- exhaust flanges produced by P/M offer high material utilization, near net-shape manufacturing and dimensional accuracy
- as-molded, reproducible geometries for high volume production
- weldable material options
- may be easily machined e.g. if threads are required
- thicker cross-section is possible as opposed to blanked flanges
- minimum residual stresses offer better dimensional stability



EGR flanges (weldable)



HEGO bosses



Exhaust flanges



COMPONENTS FOR EXHAUST SYSTEMS

Exhaust flanges

- flanges are made from P/M iron or stainless steel
- P/M stainless steel flanges offer elevated tensile strength, cyclic oxidation resistance, corrosion resistance, impact resistance and thermal shock resistance
- tightness to gas or liquids is achieved through the high density of special ferritic stainless steel options
- ferritic stainless steel offers the highest resistance to thermal fatigue cracking
- the low nickel content of ferritic stainless steel offers cost advantages



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