



2.0-litre Ford Zetec Engine Crankshaft Main Bearings

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Additional Permitted Crankshaft Main Bearings (Zetec)

- With immediate effect, the following standard-size crankshaft main bearings are permitted for use in the 2.0-litre Zetec engine (in addition to those listed in the 2020 Car Construction Regulations):
 - **Clevite MS-2208A**
- These are standard size bearings, in a standard OEM equivalent material.

Additional Information/Clarity on Permitted Bearings

- **Size** – The regulations permit the use of standard material/design undersize bearings **up to a maximum** of 0.25mm. For example, 0.1 / 0.15 / 0.2 / 0.25 mm would all be permitted, if available, from one of the approved manufacturers in standard material and design.
 - The 2020 published regulations list part numbers for alternative replacement original-size and 0.25mm undersize bearings.
 - For clarity, standard material and design bearings, from the following manufacturers only, are permitted in any available size from original up to the maximum 0.25mm undersize:
 - Ford
 - King
 - KS
 - Mahle
 - Clevite
 - Feedback from engine-builders suggests that there are few, if any, supply issues with 0.25mm undersize bearings (the maximum permitted) currently.
- **Material** – The regulations permit the use of standard material/design bearings only.
 - Race-type, high performance and heavy duty bearings/materials are not permitted.

Background Information

- Some drivers and engine-builders have reported supply issues with the specified King, KS, and Mahle replacement standard-size crankshaft bearings.
 - Some King bearings may still be available from specialist suppliers, but not in large quantities.
 - BriSCA F2 recognises the need for additional options where parts supply becomes an issue, and welcomes the suggestion in this instance from an engine-builder for a suitable alternative component.
 - Builders of engines are encouraged to contact BriSCA F2 through the normal channels if they are unsure of the suitability / legality of bearings they intend to use.
 - The addition of Clevite bearings has come about out of necessity to help keep costs down (it's cheaper than a crank re-grind simply to use under-size bearings), and further reviews may be undertaken in the future.
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