

Enginetech Inc
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TECHNICAL BULLETIN	
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Crankshaft Specifications For
2002-2004 GM 4.2L VIN S Engines

The AERA Technical Committee advises machinists of crankshaft specifications for 2002-2004 GM 4.2L VIN S engines. It has been reported that previously printed service information was inadvertently inaccurate on connecting rod journal size.

If previously published specifications were referenced before grinding, a lock up situation would exist when the rod was bolted to the crankshaft. The correct dimension for the connecting rod journal should be 2.2319-2.23255" (56.691-56.707 MM). The previously listed information showed approximately .002" (.051 MM) larger than the correct specification.

Crankshaft Specifications

Rod Journal Diameter	2.2319-2.23255" (56.691-56.707 MM)
Main Journal Diameter	2.7567-2.7574" (70.020-70.038 MM)
Stroke	4.0157" (102.00 MM)
Rod Journal Bearing Clearance	.0008-.0025" (.020-.064 MM)
Main Journal Bearing Clearance	.0004-.0025" (.010-.064 MM)
Journal Out of Round or Taper (max)	.0002" (.005 MM)
End Play	.0044-.0153" (.112-.389 MM)

The AERA Technical Committee

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Reference:	
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