

Bore preparation for all Omega Pistons

As recommended by Omega.

The piston size you have ordered is actually the bore size that your block should be machined to, for example if you have ordered an 87.00mm piston, the bore tolerance will be 87.00mm to 87.01mm, so this gives you a tolerance of -0.00mm to +0.01mm. The clearance for the piston has already been designed into the piston by Omega themselves and is correct for every piston size they manufacture. The accuracy that the pistons are made to is so tight that it is impossible without very accurate measuring equipment to determine the differences between each piston (see note below).

****Note:** We do not normally provide the piston clearance, this is due to the fact that the pistons are oval and barrelled in several different directions and on some versions have specific high spots designed into them making it very difficult for anybody other than Omega to measure the clearance correctly.

How accurate is the boring?

Bore is to be round to a tolerance of 0.01mm, diameter measured at top, middle and bottom of bore, both front to back & left to right.

The details below are provided by Omega for the finishing of the bore to its finished size.

TYPE = Plato Honing:

1. Bore to 0.003" (thou) undersize.
2. Hone with 160 Grit.
3. Then stone up and down twice with 600 Stone to size.
4. Running in with Cords, Comm, Millers or similar high quality Running in Oil.



SBD Motorsport Ltd
Unit 15, Red Lion Business Park, Red Lion Road, Surbiton, Surrey.
KT6 7QD
Tel: 0208 391 0121
Website: www.sbdmotorsport.co.uk

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 sbdevelopments