

CYLINDER BLOCK

DESCRIPTION

The cylinder bores are machined directly into the cast iron cylinder block. During production the cylinder bores are graded into three sizes 'A', 'B' and 'C', 'A' being the nominal bore size.

The pistons are similarly graded, and the correct piston to bore clearance is obtained when the piston is fitted into a bore with the same grade letter. 'A' grade pistons are not supplied for service use.

Detailed sizes of cylinder bores and pistons are given in Data, sub-section A101.

Timing chain and gears are situated at the front of the engine and enclosed by a two piece aluminium cover, a flange of the cylinder head gasket fits between the two halves. The timing chain whilst being tensioned by an automatic tensioner, also operates between two guide pads, which are set to hold the chain in a straight running position on the inlet side, and adjusted to take all slack from the chain, on the exhaust side, before the automatic tensioner is actioned by releasing the locking screw.