ACROSS

2 The outside diameter of the lands is about 0.02 to 0.04 in. smaller than the _____ diameter.
5 A _______ design piston is shorter on the two sides that are not thrust surfaces.
12 The connecting rod is connected to a part of the crankshaft called a __________ _______.
14 The width of the grooves, the width of the ______ between the ring grooves, and the number of rings are major factors in determining minimum piston height.
15 The ______ forms a movable bottom to the combustion chamber.
16 A method of expansion control was devised using a _______ piston skirt.

DOWN

1 Another name for the connecting rod bearing journal is the ________.
3 Another name for a piston pin is the ______.
4 _______ piston pins are free to "float" in the connecting rod and the piston.
6 _______ seal the small space between the piston and the cylinder wall, keeping the pressure above the piston.
7 To add strength, the silicon content is increased to about 16%, and the resulting piston is called a ____________ piston.
8 A ring gap that is too great will allow excessive ______.
9 If an engine is designed not to have the pistons hitting the valves, if the timing belt or chain breaks, the engine is called ____________.
10 The piston is attached to the connecting rod with a ________.
11 Most pistons have horizontal separation slots that acts as ________.
13 Piston ring _______ are located between the piston head and skirt.