# GRADED SIZE PISTONS

WTB.00008-A

Wössner Performance pistons are engineered and manufactured for high performance and reliability, using premium materials and manufacturing methods. Most pistons are offered in a graded size, which we will explain to better understand what this is and how this will affect the piston to cylinder clearance.

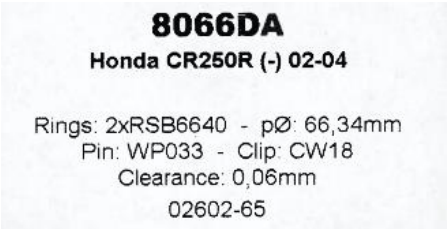
It is important to select the correct graded piston size for your specific cylinder diameter. If you are not able to measure your cylinder, contact a qualified machinist to provide the measurement.

## What is a graded piston size?

Graded piston size is the finish piston diameter at the largest point on the piston skirt, known as the "fitting size" of the piston. This size grading will determine the clearance between the piston and cylinder wall. Graded sizes are typically **A**, **B**, and **C**, and occasionally go to **E**, **F**, etc.

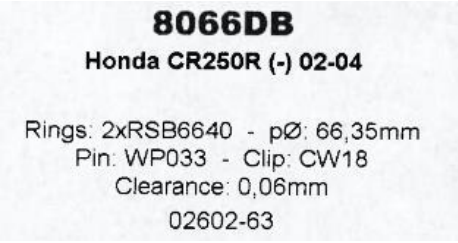
The diameter difference between each size is .01mm (.0004")

The piston part number will contain the graded size, the Wössner listing and label will explain the piston size of each grade, for example:




In this example, **8066DA** is the "**A**" size grade, the piston diameter on the label is **66.34mm**. For the nominal bore diameter of **66.40mm**, the clearance will be **.06mm** between the piston and cylinder.

As the cylinder bore wears, increasing in size, the piston can be larger and maintain the same **.06mm** clearance.





**8066DB** size grade "**B**" is **66.35mm**, to maintain **.06mm** clearance, the cylinder has increased to **66.41mm** diameter from wear.

**8066DC** size grade "**C**" is **66.36mm**, to maintain **.06mm** clearance, the cylinder has increased to **66.42mm** diameter from wear.

Always select the proper graded size for your specific cylinder condition. It is important to first check the cylinder condition and diameter to provide trouble free operation of the piston.