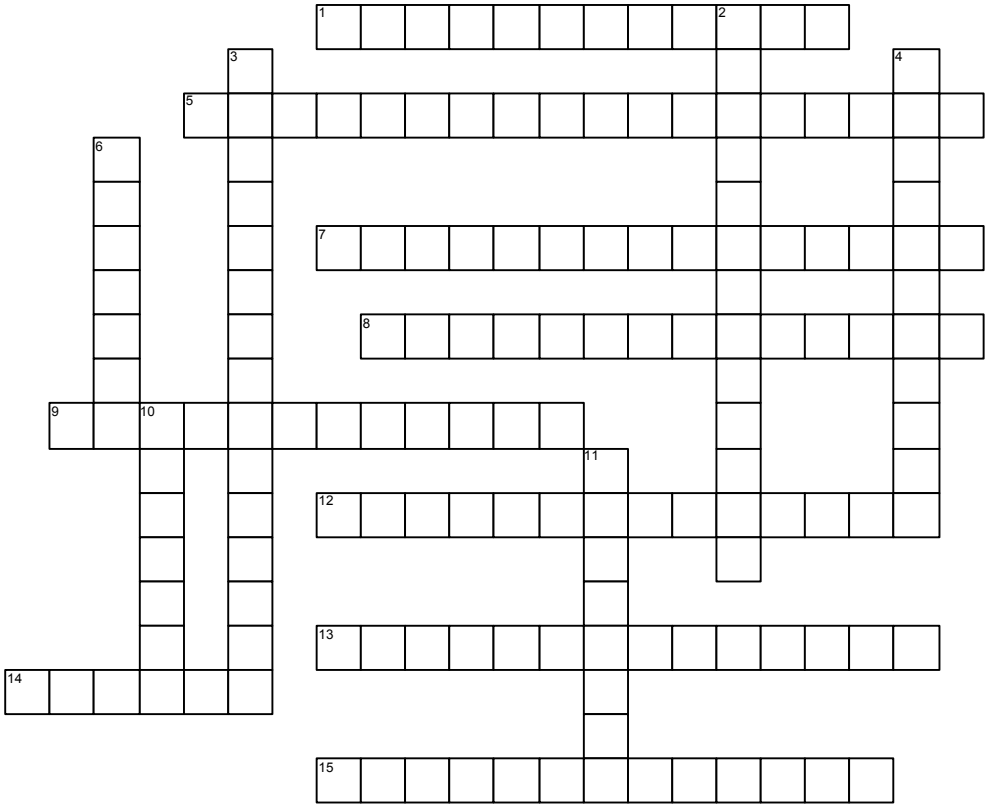
Measuring Systems And Tools

Chapter 7



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ACROSS

1 A _____ is a precision ground metal measuring gauge that is used to check the flatness of engine components when used with a feeler gauge.

5 A _____ ____ _____ is normally used to measure length, inside and outside diameters, and depth.

7 A _____ _____ is similar to a conventional micrometer except that it is designed to measure the depth from a flat surface.

8 A _____-____ _____ is used with a micrometer to measure the inside diameter of small holes such as a valve guide in a cylinder head.

9 Most of the world uses the _____ _____ of measure.

12 Another name for a small-hole gauge is a _____-____ _____.

13 Another name for a feeler gauge is a _____ _____.

14 Another name for the barrel of a micrometer is a _____.

15 A ____ _____ is a precision measuring instrument used to measure crankshaft end play, crankshaft runout, and valve guide wear.

DOWN

2 A ____ ____ _____ is an expensive, but important, gauge used to measure cylinder taper and out-of-round as well as main bearing bore for taper and out-of-round.

3 A _____ _____ is used with a micrometer to measure the inside diameter of a hole or bore.

4 A _____ _____ is an accurately manufactured strip of metal that is used to determine the gap or clearance between two components.

6 Every revolution of the thimble moves the _____ 0.025 in.

10 The _____ rotates over the sleeve on a screw that has 40 threads per inch.

11 All micrometers should be checked and calibrated as needed using a _____ ___.