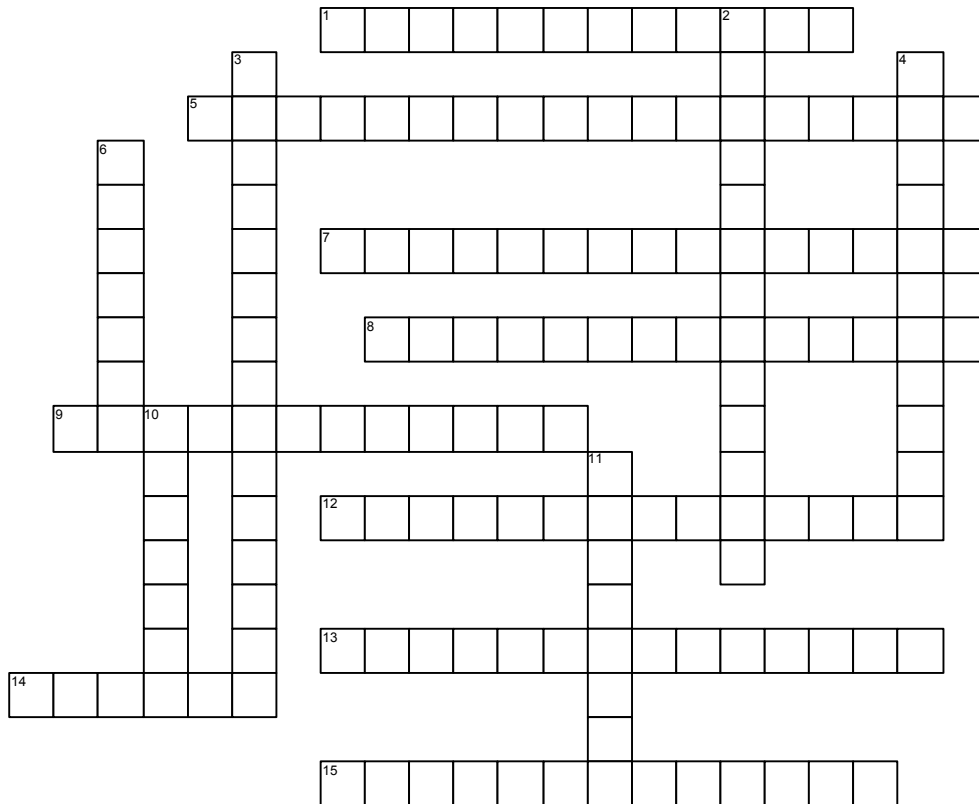


Measuring Systems And Tools

Chapter 11



<http://jameshaldeman.com>

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 _____.