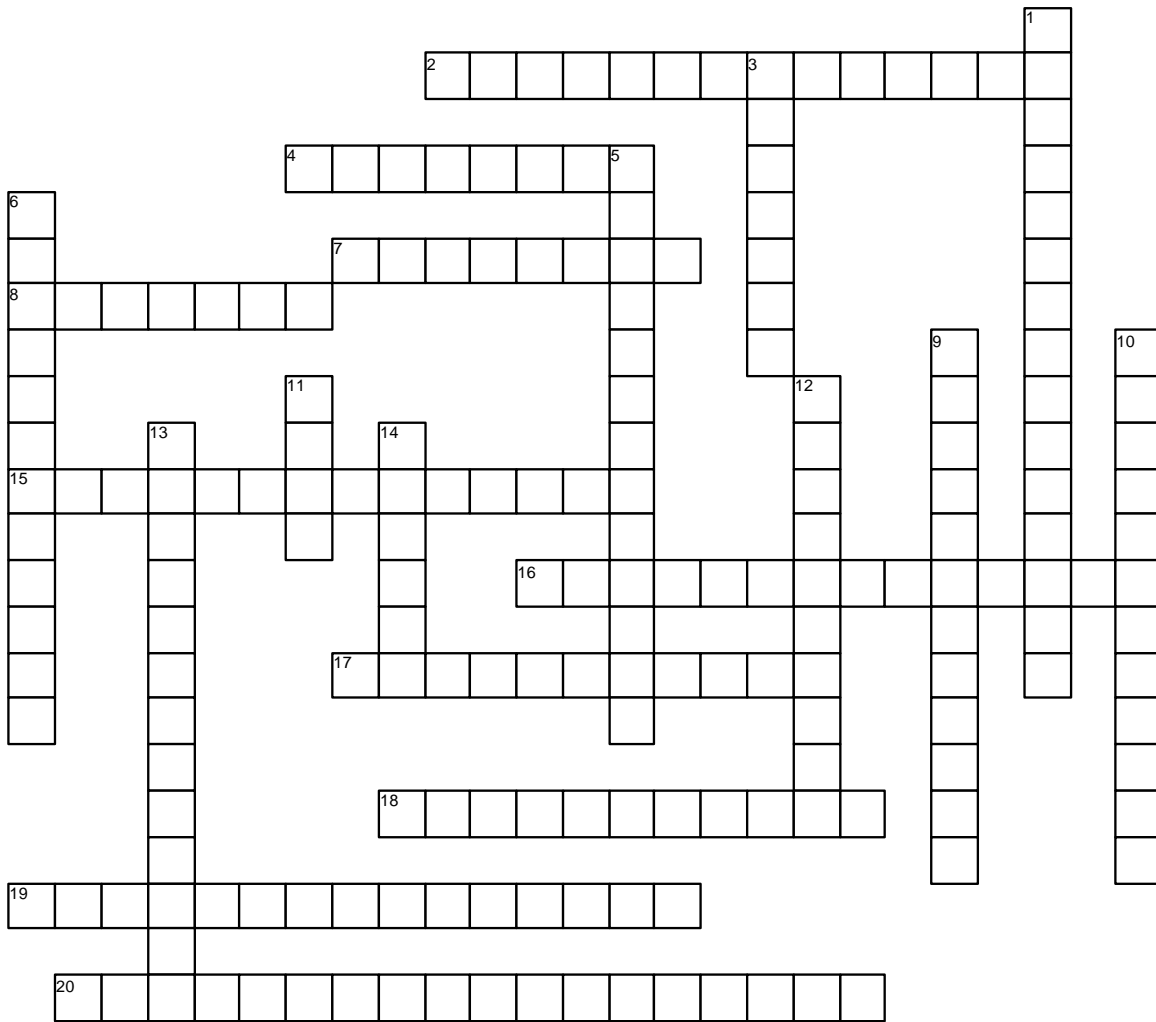


# Measuring Systems And Tools

## Chapter 12



<http://jameshalderman.com>

### ACROSS

- 2 Another name for a feeler gauge is a \_\_\_\_\_.
- 4 All micrometers should be checked and calibrated as needed using a \_\_\_\_\_.
- 7 2.2 pounds equals 1 \_\_\_\_\_.
- 8 The \_\_\_\_\_ rotates over the sleeve on a screw that has 40 threads per inch.
- 15 Another name for a small-hole gauge is a \_\_\_\_\_-\_\_\_\_\_.
- 16 A \_\_\_\_\_-\_\_\_\_\_ is used with a micrometer to measure the inside diameter of small holes such as a valve guide in a cylinder head.
- 17 A \_\_\_\_\_ is an accurately manufactured strip of metal that is used to determine the gap or clearance between two components.
- 18 1 meter has 1,000 \_\_\_\_\_.

- 19 A \_\_\_\_\_ is similar to a conventional micrometer except that it is designed to measure the depth from a flat surface.

- 20 A \_\_\_\_\_ is normally used to measure length, inside and outside diameters, and depth.

### DOWN

- 1 A \_\_\_\_\_ is used with a micrometer to measure the inside diameter of a hole or bore.
- 3 Every revolution of the thimble moves the \_\_\_\_\_ 0.025 in.
- 5 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.
- 6 Most of the world uses the \_\_\_\_\_

\_\_\_\_\_ of measure.

- 9 A \_\_\_\_\_ is a precision ground metal measuring gauge that is used to check the flatness of engine components when used with a feeler gauge.
- 10 \_\_\_\_\_ are units of measure, except for base units, that are a combination of units of measure.
- 11 A dollar bill or a small paper clip equals approximately 1 \_\_\_\_\_.
- 12 A \_\_\_\_\_ is the most commonly used measuring instrument in engine service repair.
- 13 A \_\_\_\_\_ is a precision measuring instrument used to measure crankshaft end play, crankshaft runout, and valve guide wear.
- 14 Another name for the barrel of a micrometer is a \_\_\_\_\_.