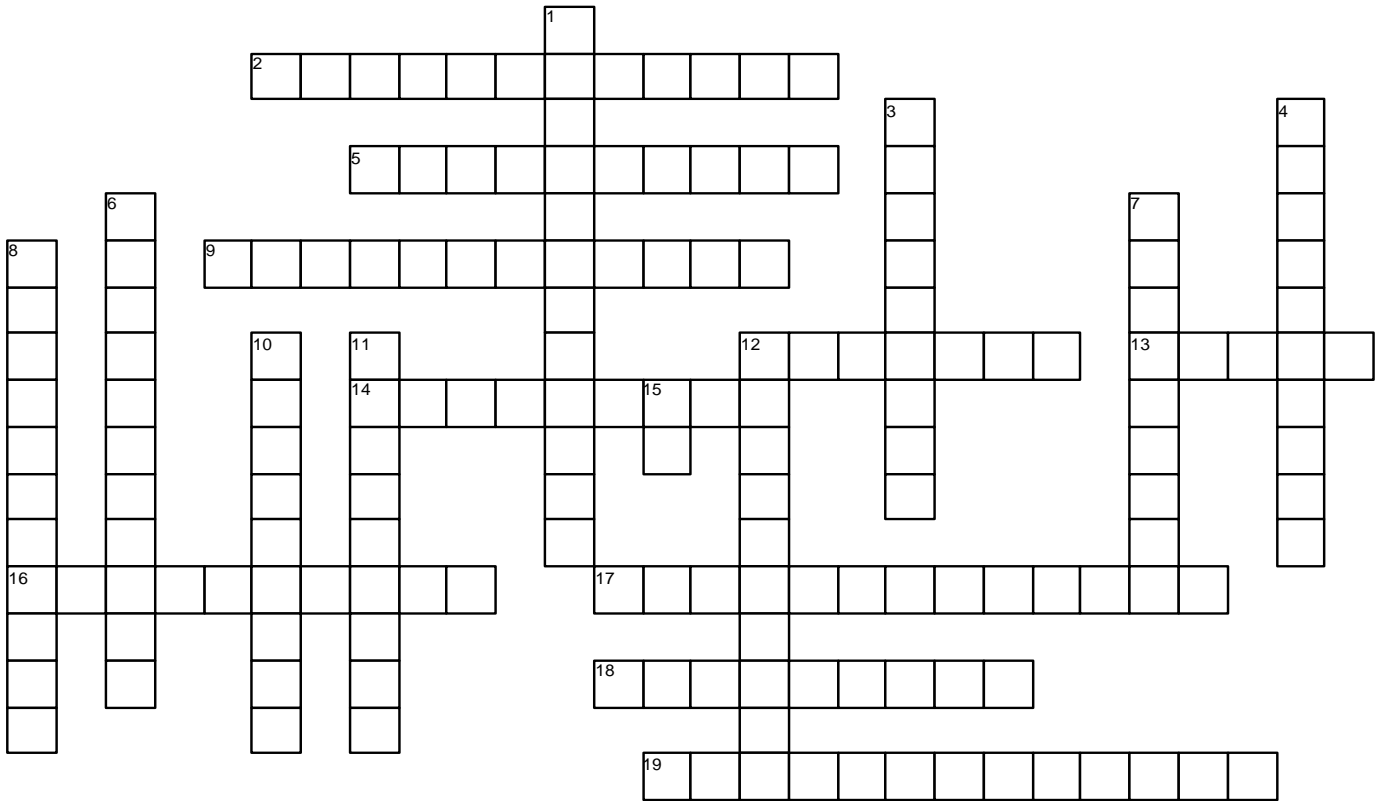


# Machining Brake Drums And Rotors

## Chapter 16



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### ACROSS

- 2 A lesser form of drum and rotor cracking is called \_\_\_\_\_, which consist of many small, interlaced cracks on the friction surface.
- 5 Uneven heat distortion can sometimes cause \_\_\_\_\_ distortion in which the drum radius varies when measured at different points around its circumference.
- 9 When the brakes are applied harder to compensate for the fade, the shoes distort the open edge of the drum so far outward that the \_\_\_\_\_ of its metal is exceeded.
- 12 \_\_\_\_\_ is an extreme form of drum and rotor wear consisting of scratches, deep grooves, and a generally rough finish on the friction surface.
- 13 Rotors, also called \_\_\_\_\_ have mass (weight) that absorb heat.
- 14 \_\_\_\_\_ distortion exists when the geometric center of the circle described by the brake drum friction surface is other than the center of the axle or the bolt circle of the web.
- 16 Hard spots are also called \_\_\_\_\_.
- 17 A variation in thickness of the rotor is commonly called \_\_\_\_\_ variation (DTV).
- 18 Parallelsim is also called \_\_\_\_\_ variation (TV).
- 19 \_\_\_\_\_ is side-to-side wobble of the rotor as it rotates on the spindle.

### DOWN

- 1 Use a \_\_\_\_\_ spacer (SAS) to be assured of even force being applied to the drum by the spindle nut.
- 3 Metal clips called \_\_\_\_\_ nuts are installed at the factory to keep the brake drums from falling off during assembly.
- 4 Heat is absorbed by the drum or rotor and travels from the friction surface to the remainder of the drum or rotor by heat \_\_\_\_\_.
- 6 The lack of \_\_\_\_\_ is a variation in the thickness of the rotor when it is measured at several places around the circumference.
- 7 If brake temperatures become too great, localized impurities in the metal can be burned away, altering the structure of the metal and causing \_\_\_\_\_.
- 8 Surface finish is measured in units called \_\_\_\_\_.
- 10 \_\_\_\_\_ rotors use a steel center section with cast-iron wear surface.
- 11 When an open edge of a brake drum friction surface has a larger diameter than the closed edge, the drum is suffering from \_\_\_\_\_ distortion.
- 12 A \_\_\_\_\_ is performed on a lathe by advancing the tool bit manually until it just contact the drum.
- 15 \_\_\_\_\_ is the average of all peaks and valleys from the mean (average) line.