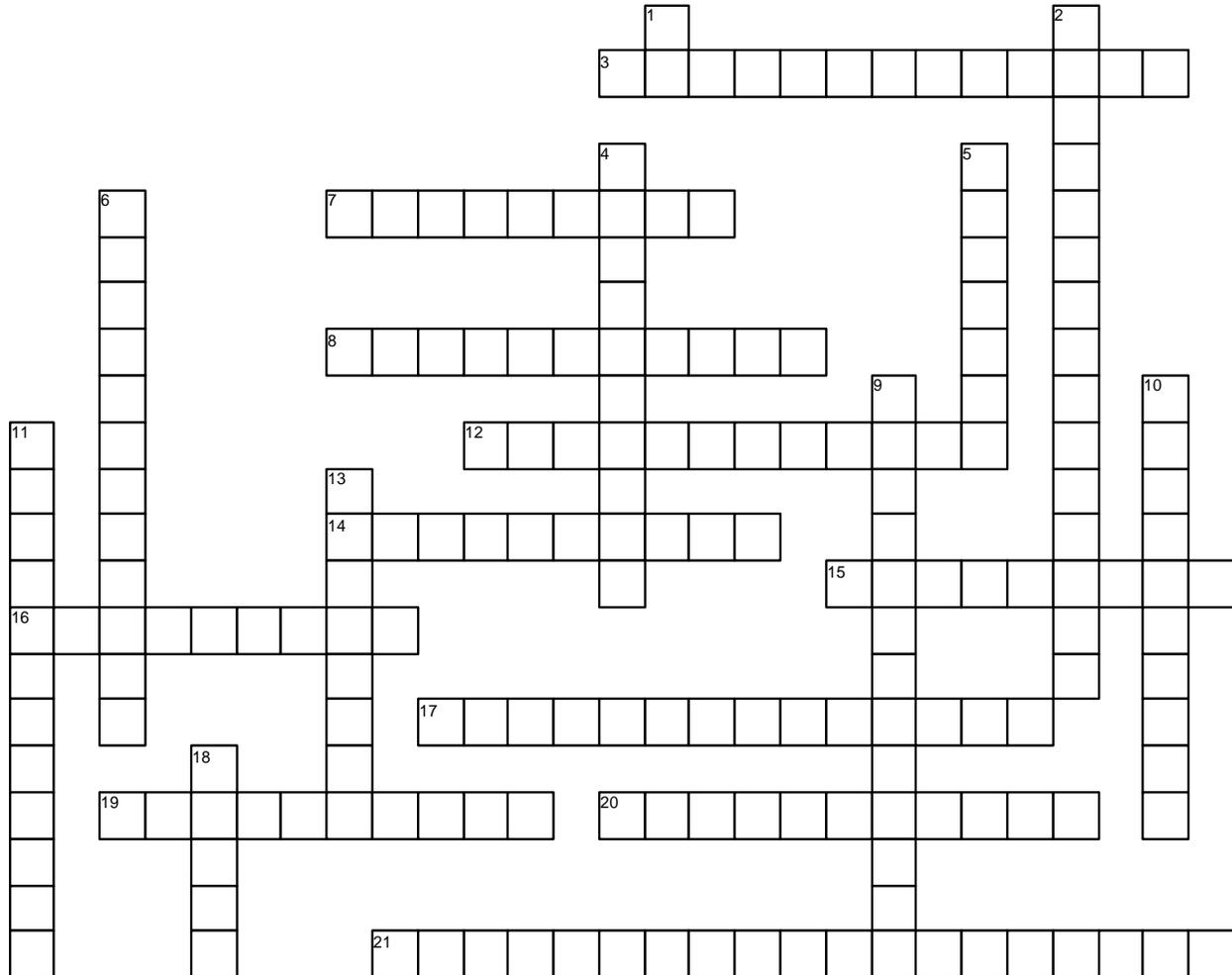


Machining Brake Drums And Rotors

Chapter 108



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ACROSS

- 3 _____ is side-to-side wobble of the rotor as it rotates on the spindle.
- 7 If brake temperatures become too great, localized impurities in the metal can be burned away, altering the structure of the metal and causing _____ to appear.
- 8 Lack of _____ is a variation in the thickness of the rotor when it is measured at several places around its circumference.
- 12 A lesser form of drum and rotor cracking is called _____.
- 14 Uneven heat distribution can sometimes cause _____ distortion in which the drum radius varies when measured at different points around its circumference.
- 15 When an open edge of a brake drum friction surface has a larger diameter than the closed edge, the drum is suffering from _____ distortion.

- 16 _____ variation is another name for lack of parallelism.
- 17 _____ runout is another name for lateral runout.
- 19 Hard spots are also called _____.
- 20 Surface finish is measured in units called _____.
- 21 _____ 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 drum web.

DOWN

- 1 The usual method of expressing surface finish is the arithmetic average roughness height, abbreviated _____.
- 2 _____ use a steel center section with a cast iron wear surface.
- 4 Heat is absorbed by the drum or rotor and travels from the friction surface as the remainder of the drum or rotor by

heat _____.

- 5 _____ is an extreme form of drum and rotor wear consisting of scratches, deep grooves, and a generally rough finish on the friction surface.
- 6 Use a _____ spacer to be assured of even force being applied to the drum by the spindle nut.
- 9 Metal clips called _____ are installed at the factory to keep the brake drums from falling off during vehicle assembly.
- 10 A _____ is when you advance the tool bit manually until it just contacts the drum.
- 11 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.
- 13 _____ are another name for hard spots.
- 18 _____ is another name for rotors.