

14 inches cutting disc are made of natural or synthetic abrasive minerals bonded together in a matrix to form a wheel. For high-quality cutting disc supplier, cutting disc for stainless steel provides an efficient way to shape and finish metals and other materials. Abrasives are often the only way to create parts with precision dimensions and high-quality surface finishes. Today, 14 inches cutting disc appear in nearly every manufacturing company in the world, where the flat abrasive cutting disc is used to cut steel and masonry block; to sharpen knives, drill bits, and many other tools; or to clean and prepare surfaces for painting or plating.

14 inches cutting disc are made of natural or synthetic abrasive minerals bonded together in a matrix to form a wheel. While such tools may be familiar to those with home workshops, the general public may not be aware of them because most have been developed and used by the manufacturing industry. In this sector, the flat abrasive cutting disc has been important for more than 150 years.

For high-quality cutting disc supplier, cutting disc for stainless steel provides an efficient way to shape and finish metals and other materials. Abrasives are often the only way to create parts with precision dimensions and high-quality surface finishes. Today, 14 inches cutting disc appear in nearly every manufacturing company in the world, where the flat abrasive cutting disc is used to cut steel and masonry block; to sharpen knives, drill bits, and many other tools; or to clean and prepare surfaces for painting or plating. More specifically, the precision of automobile camshafts and jet engine rotors rests upon the use of cutting disc for stainless steel. Quality bearings could not be produced without them, and new materials such as ceramic or material composites would be impossible without 14 inches cutting disc to shape and finish parts.

Sandstone, an organic flat abrasive cutting disc made of quartz grains held together in a natural cement, was probably the earliest abrasive; it was used to smooth and sharpen the flint on axes. By the early nineteenth century, emery (a natural mineral containing iron and corundum) was used to cut and shape metals. However, emery's variable quality and problems with importing it from India prior to its discovery in the United States prompted efforts to find a more reliable abrasive mineral.

By the 1890s, the search had yielded silicon carbide, a synthetic mineral harder than corundum. Eventually, manufacturers figured out how to produce an even better alternative, synthetic corundum or aluminum oxide. In creating this bauxite derivative, they developed an abrasive material more reliable than both natural minerals and silicon carbide. Research into synthetic minerals also led to the production of the so-called super abrasives. Foremost in this category are synthetic diamonds and a mineral known as cubic boron nitride (CBN), second in hardness only to the synthetic diamond. Today, development continues, and a seeded-gel aluminum oxide has just been introduced.

Throughout the history of 14 inches cutting disc for stainless steel, the bond that holds the abrasive grains together has proven as important as the grains themselves. The success of grinding wheels began in the early 1840s when bonds containing rubber or clay were introduced, and by the 1870s a bond with a vitrified or glass-like structure was patented. Since then, bonds used in grinding wheels have been continually refined.

The flat abrasive cutting disc is available in a wide variety of sizes, ranging from less than .25 inch (.63 centimeter) to several feet in diameter. They are also available in numerous shapes: flat disks, cylinders, cups, cones, and wheels with a profile cut into the periphery are just a few. Although many techniques, such as bonding a layer of abrasives to the surface of a metal wheel, are used to make a cutting disc for stainless steel, this discussion is limited to wheels composed of vitrified materials contained in a bonding matrix.

What We Do

Henan Aurora Abrasive Co., LTD. is a professional abrasive manufacturer and fiber cutting disc Chinese supplier. We produce standard and customized metal cutting disc and grinding disc. We mainly produce various grinding wheels like white corundum grinding wheel, brown corundum grinding wheel, green silicon carbide grinding wheel, resin grinding wheel, sandpaper, ceramic grinding wheel, etc. Our company is located in Zhengzhou, the silicon carbide base, which boasts excellent geographical location and integrated road, railway and air transportation network extending to all directions. We always carry through the cooperation principles "customer first, honesty, quality assurance, creating the brilliancy together".