

## Bonded Abrasives

Bonded abrasive products are used for applications requiring heavy material removal such as rough grinding, weld removal, snagging, cutting and parting.

### Grinding

#### Type 27 Products:



These products range from 4" to 9" diameters and are available in 1/4" thick for grinding and 1/8" thick for light grinding or cutting. Type 27 Wheels are offered in aluminum oxide or zirconium grain with a choice of a 5/8"-11 hub.

### Cutting

#### Type 27 Products:



Type 27 Wheels are offered in .045", .060" and 3/32" wheel thicknesses. Diameters range from 4" to 9" and are available in aluminum oxide or zirconium grain, with a choice of a 5/8"-11 hub.


#### Type 1 Products:



This product category includes wheels ranging from 1-1/2" to 14" diameters in various grit sizes and aluminum oxide and silicon carbide abrasive grains. Type 1 Wheels are for use on electric or air die grinders, tool room grinders, circular saws, stationary machines, portable gas or electric saws and chop saws.

## Wheel Selection Guide

Grain	
<b>A</b>	Aluminum Oxide: for general purpose use on all metals except titanium
<b>C</b>	Silicon Carbide: for cutting non-metallics and titanium (Type 1 only)
<b>CA</b>	Combination Silicon Carbide/Aluminum Oxide: for cutting ductile iron and non-ferrous metals (Type 1 only)
<b>TA</b>	Treated Aluminum Oxide: for extended wheel life and improved performance of large diameter wheels in coarser grits (Type 1 only)
<b>Z</b>	Zirconium: for higher cut rates in high pressure applications (Type 27 only)
Grit	
<b>24</b>	Coarse: for fast, aggressive cutting and maximum wheel life
<b>30</b>	Medium/Coarse: for fast cutting and long wheel life
<b>36</b>	Medium/Coarse: excellent for general purpose cutting
<b>46</b>	Fine/Medium: for a smoother finish and reduced burr
<b>60</b>	Fine: for a burr-free cut
Grade	
<b>T-V</b>	Hard: for maximum wheel life
<b>R</b>	Medium/Hard: for cutting large cross sections and improved rate of stock removal
<b>P</b>	Medium: for cutting very large cross sections and applications demanding very rapid stock removal
<b>N</b>	Soft/Medium: for maximum cut rate

**Safety**  Abrasive users and others in area must wear goggles or face shields over safety glasses. Safety guards must be used. Do not exceed maximum RPM.