
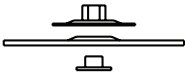
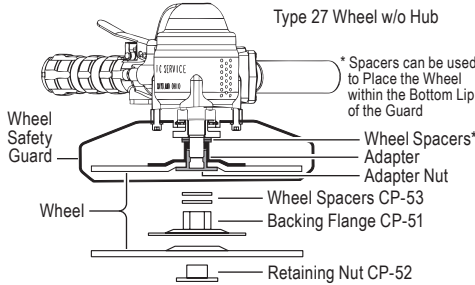

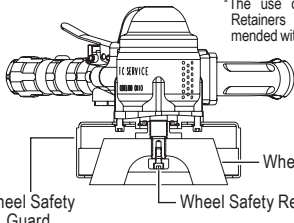

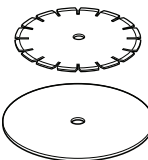
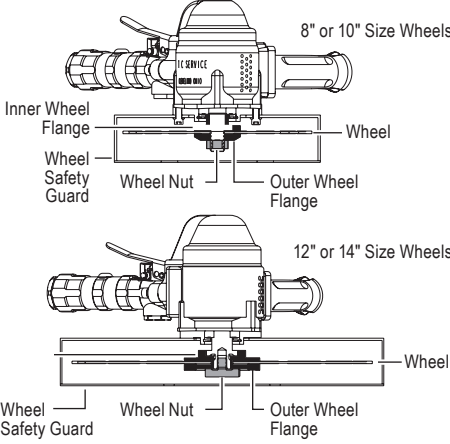
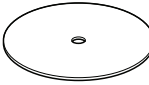
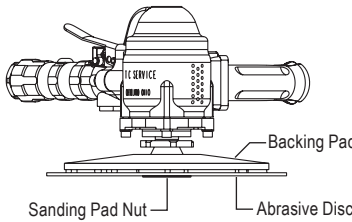


## Vertical Tools

Page Number	Application	Abrasive Size	Model Series	Power Output	Mounting of Abrasives
7	Type 27, Type 27 Cut-Off (Type 42) & 28 Depressed Center Wheels   Type 27 Wheel without Built-in Adapter  	7 Inch (180 mm)	520V	2 H.P. (1.5 kW)	 <p>Type 27 Wheel w/o Hub</p> <p>* Spacers can be used to Place the Wheel within the Bottom Lip of the Guard</p> <p>Wheel Safety Guard</p> <p>Wheel Spacers*</p> <p>Adapter Nut</p> <p>Wheel Spacers CP-53</p> <p>Backing Flange CP-51</p> <p>Retaining Nut CP-52</p>
		9 Inch (230 mm)	54V	3 H.P. (2.3 kW)	
		7 Inch (180 mm)	64V	4 H.P. (3.0 kW)	
		9 Inch (230 mm)			
8	Type 11 Cup Wheels    Cup Wheel Maximum Height is 2.0 inches (50mm).	4 Inch (100 mm)	520V	2 H.P. (1.5 kW)	 <p>*The use of Wheel Safety Retainers is highly recommended with cup wheels.</p> <p>Wheel Safety Guard</p> <p>Wheel</p> <p>Wheel Safety Retainer*</p>
		6 Inch (150 mm)	58C	3 H.P. (2.3 kW)	
				68C	
9	Type 1 Cut-Off (Type 41) Bonded or Diamond Wheels  Reinforced/Bonded Cut-off Wheels    Diamond Plated/Segmented Wheels  	8 Inch (200 mm)	56PC	3 H.P. (2.3 kW)	 <p>8" or 10" Size Wheels</p> <p>Inner Wheel Flange</p> <p>Wheel</p> <p>Wheel Safety Guard</p> <p>Wheel Nut</p> <p>Outer Wheel Flange</p> <p>12" or 14" Size Wheels</p> <p>Wheel</p> <p>Wheel Safety Guard</p> <p>Wheel Nut</p> <p>Outer Wheel Flange</p>
		10 Inch (250 mm)	66PC	4 H.P. (3.0 kW)	
		14 Inch (350 mm)			
10	Surface Conditioning or Sanding Abrasives  Flap Wheels, Sand Paper or Scotch® Discs  	7 Inch (180 mm)	520V	2 H.P. (1.5 kW)	 <p>Backing Pad</p> <p>Sanding Pad Nut</p> <p>Abrasive Disc</p>
			56S	3 H.P. (2.3 kW)	
		9 Inch (230 mm)	56S	3 H.P. (2.3 kW)	

### HANDLES

Several different handle styles are offered on our vertical tools. Pictured below are each in detail.



(L) Regular Lever



Safety Lever Latch

(K) Safety Lever



(B) Thumb Switch

### SPEED/GUARD SIZE SELECTION

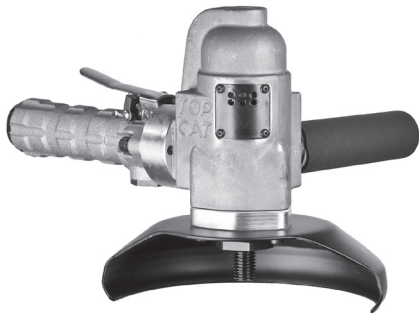
The rated speed and guard size are closely linked to promote safety and maximize efficiency of the grinding operation. Each model offers various options that are specific to the size/type of the abrasive.

### MOUNTING OF ABRASIVES

Each wheel type mounts onto the tool in a specific way. Please consult the diagrams above for details on how your particular wheel mounts onto the tool. More details on the mounting of wheels can be found in ANSI B7.1 and ANSI B186.1. Mounting wheels in ways other than those shown are non-compliant and may lead to injury.

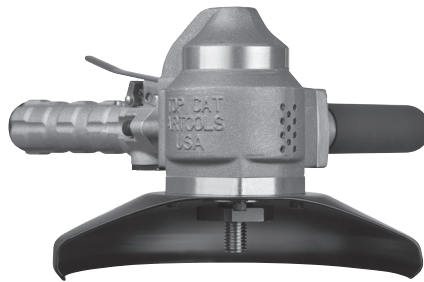
**Vertical Grinders for use with Type 27, Type 27 Cut-Off (Type 42) & 28 Depressed Center Wheels**

**520V Series**



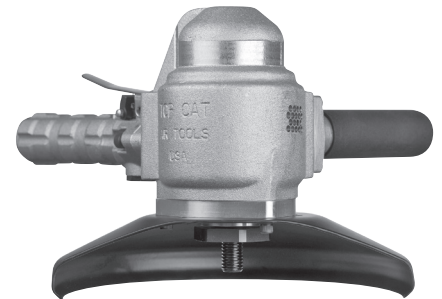
520VK;8000;727

**54V Series**



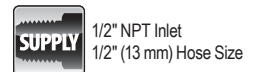
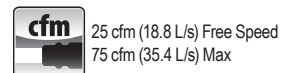
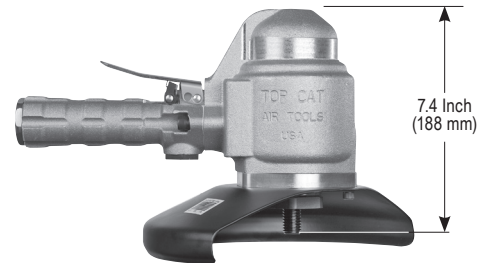
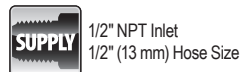
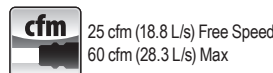
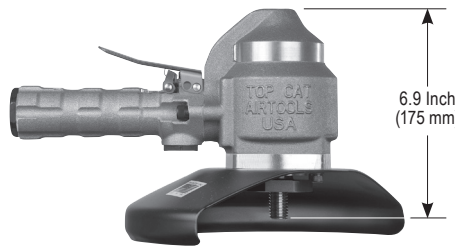
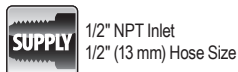
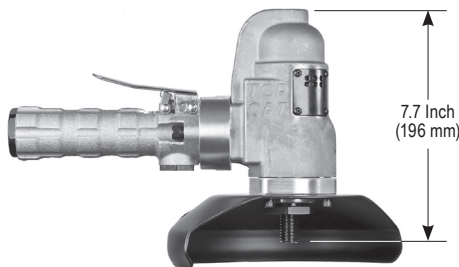
54VK;6000;927

**64V Series**



64VK;6000;927

Wheel Size	Operating Speed	Lever Style	MODEL NUMBER	Wheel Size	Operating Speed	Lever Style	MODEL NUMBER	Wheel Size	Operating Speed	Lever Style	MODEL NUMBER
7 Inch (180 mm)	8000 RPM	Standard Lever	520VL:8000;727	7 Inch (180 mm)	8000 RPM	Standard Lever	54VL:8000;727	7 Inch (180 mm)	8000 RPM	Standard Lever	64VL:8000;727
		Safety Lever	520VK;8000;727			Safety Lever	54VK;8000;727			Safety Lever	64VK;8000;727
				9 Inch (230 mm)	6000 RPM	Standard Lever	54VL:6000;927	9 Inch (230 mm)	6000 RPM	Standard Lever	64VL:6000;927
						Safety Lever	54VK;6000;927			Safety Lever	64VK;6000;927



Piped Away Exhaust Available to Reduce Sound Emissions.

**STANDARD EQUIPMENT**

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

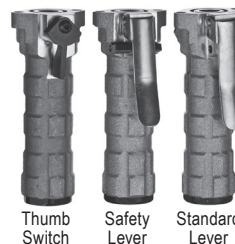
**ALTERNATE OPTIONS**

Operating Speed

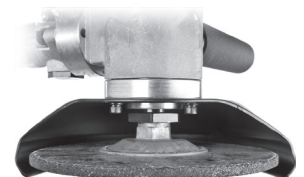


The tools above can be rated at speeds slower than 8000 RPM when used with a 7 Inch (180 mm) wheel.

Handles



**WHEEL MOUNTING**



Type 27 or Type 27 Cut-Off (Type 42)

The depressed center wheel adapters are not supplied as standard equipment with the tools. If you are using a wheel that requires the adapters, they must be purchased separately.



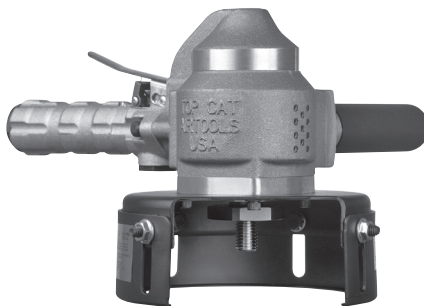
Vertical Grinders for use with Type 11 Cup Wheels

520V Series



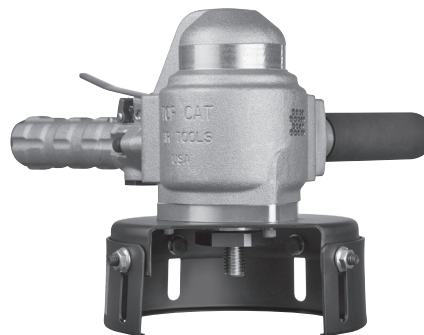
520VK;8000;411

58C Series



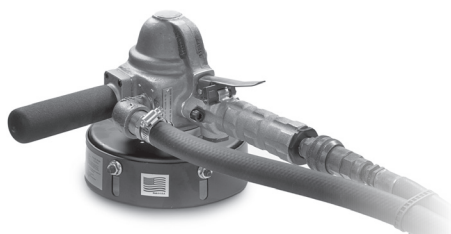
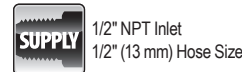
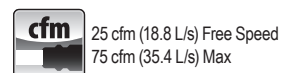
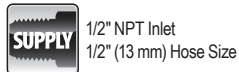
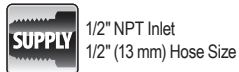
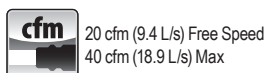
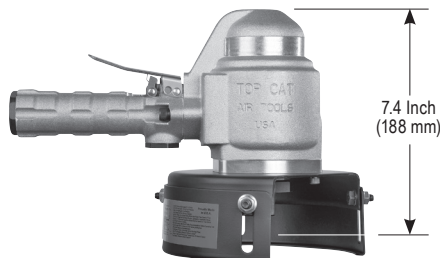
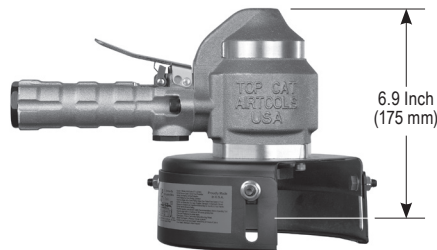
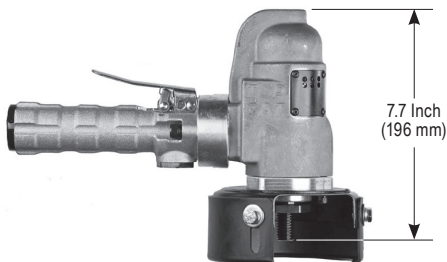
58CK;6000;611

68C Series



68CK;6000;611

Wheel Size	Rated Speed	Lever Style	MODEL NUMBER	Wheel Size	Rated Speed	Lever Style	MODEL NUMBER	Wheel Size	Rated Speed	Lever Style	MODEL NUMBER
4 Inch (100 mm)	9000 RPM	Standard Lever	520VL;9000;411	4 Inch (100 mm)	9000 RPM	Standard Lever	58CL;9000;411	6 Inch (150 mm)	6000 RPM	Standard Lever	68CL;6000;611
		Safety Lever	520VK;9000;411			Safety Lever	58CK;9000;411			Safety Lever	68CK;6000;611

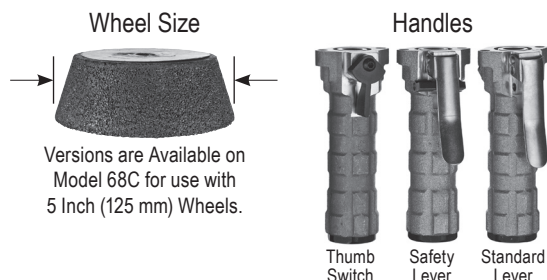


Piped Away Exhaust Available to Reduce Sound Emissions.

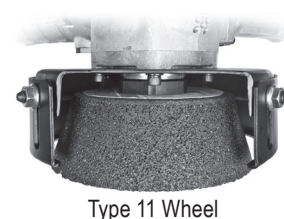
STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

ALTERNATE OPTIONS

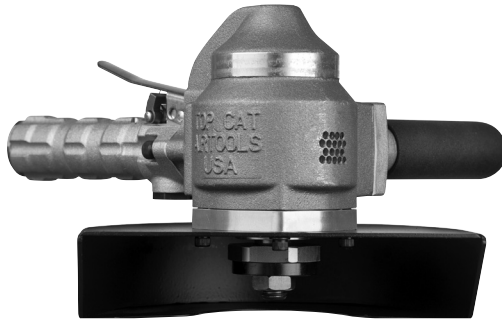


WHEEL MOUNTING



Pile Cutters for use with Bonded Type 1 Cut-off (Type 41) or Diamond Wheels

56PC Series



56PCK;6000;841

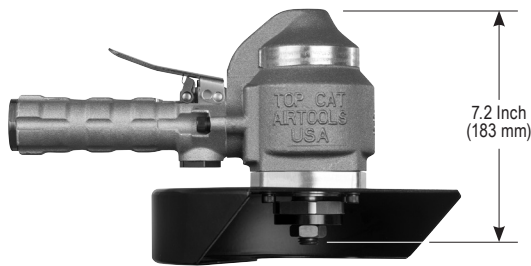
66PC Series



66PCK;4000;1441

Wheel Size	Rated Speed	Lever Style	MODEL NUMBER
8 Inch X 5/8 ID (200 mm)	6000 RPM	Standard Lever	56PCL;6000;841
		Safety Lever	56PCK;6000;841

Wheel Size	Rated Speed	Lever Style	MODEL NUMBER
10 Inch X 5/8 ID (250 mm)	6000 RPM	Standard Lever	66PCL;6000;1041
		Safety Lever	66PCK;6000;1041
12 Inch X 1.0 ID (300 mm)	5000 RPM	Standard Lever	66PCL;5000;1241
		Safety Lever	66PCK;5000;1241
14 Inch X 1.0 ID (350 mm)	4000 RPM	Standard Lever	66PCL;4000;1441
		Safety Lever	66PCK;4000;1441

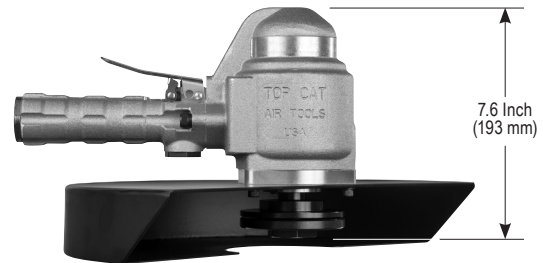


**HP** 3.0 H.P.  
(2.3 kW)

**cfm** 25 cfm (18.8 L/s) Free Speed  
60 cfm (28.3 L/s) Max

**Lbs** 11.3 Lbs.  
(5.1 Kg)

**SUPPLY** 1/2" NPT Inlet  
1/2" (13 mm) Hose Size



**HP** 4.0 H.P.  
(3.0 kW)

**cfm** 25 cfm (18.8 L/s) Free Speed  
75 cfm (35.4 L/s) Max

**Lbs** 15.8 Lbs.  
(7.2 Kg)

**SUPPLY** 1/2" NPT Inlet  
1/2" (13 mm) Hose Size

STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

ALTERNATE OPTIONS



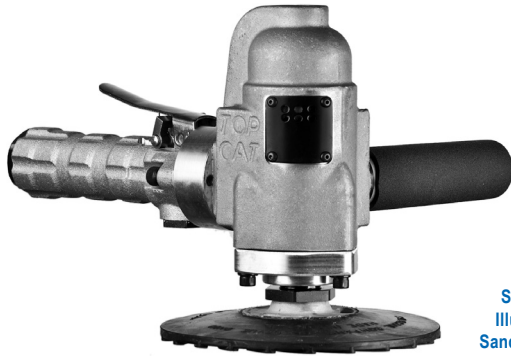
WHEEL MOUNTING





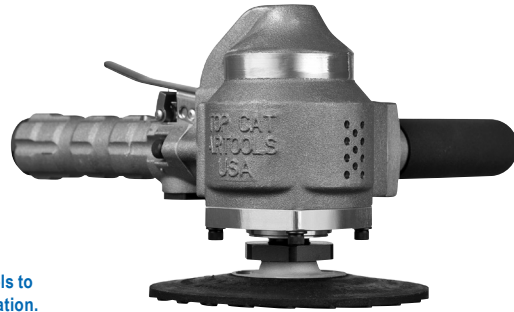
## Vertical Sanders for use with Surface Conditioning Abrasives

### 520V Series



520VK;8000;SP

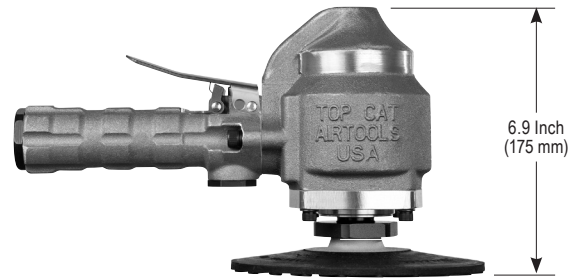
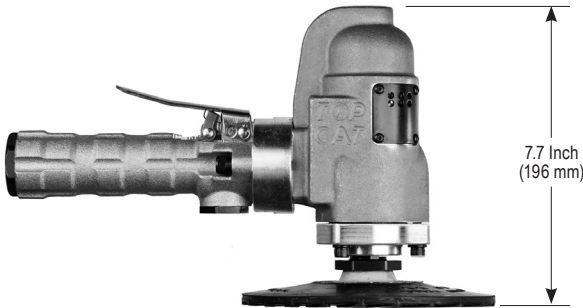
### 56S Series



56SK;6000;SP

Sanding Pads Shown on Tools to Illustrate the Sanding Application. Sanding Accessories are Not Supplied as Standard Equipment with Tools.

Recommended Maximum Sanding Pad Size	Rated Speed	Lever Style	MODEL NUMBER	Recommended Maximum Sanding Pad Size	Rated Speed	Lever Style	MODEL NUMBER
7 Inch or 9 Inch (180 mm) (230 mm)	6000 RPM	Standard Lever	520VL;6000	7 Inch or 9 Inch (180 mm) (230 mm)	6000 RPM	Standard Lever	56SL;6000
		Safety Lever	520VK;6000			Safety Lever	56SK;6000
7 Inch (180 mm)	8000 RPM	Standard Lever	520VL;8000	7 Inch (180 mm)	8000 RPM	Standard Lever	56SL;8000
		Safety Lever	520VK;8000			Safety Lever	56SK;8000



**HP** 2.0 H.P.  
(1.5 kW)

**cfm** 20 cfm (9.4 L/s) Free Speed  
40 cfm (18.9 L/s) Max

**Lbs** 6.8 Lbs.  
(3.1 Kg)

**SUPPLY** 1/2" NPT Inlet  
1/2" (13 mm) Hose Size

**HP** 3.0 H.P.  
(2.3 kW)

**cfm** 25 cfm (18.8 L/s) Free Speed  
60 cfm (28.3 L/s) Max

**Lbs** 8.8 Lbs.  
(4.0 Kg)

**SUPPLY** 1/2" NPT Inlet  
1/2" (13 mm) Hose Size

Verify the Maximum Rated Speed of the Sanding Accessory is Higher than the Maximum Rated Speed of the Tool.

#### STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

#### ALTERNATE OPTIONS



#### ABRASIVE MOUNTING

