

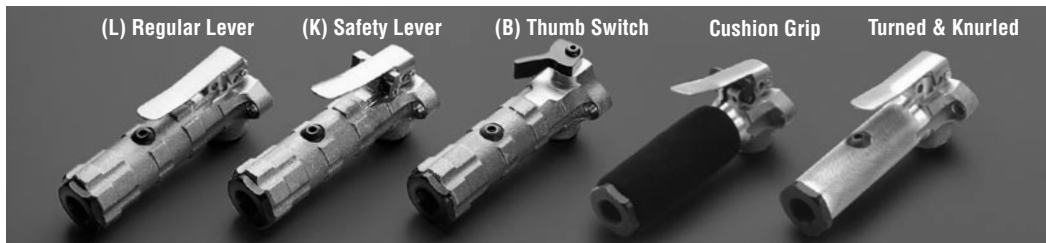
Vertical Grinders

VERTICAL GRINDERS

Page Number	Model Number	Power	Description
5	520V	2.0 H.P.	Vertical Grinders for use with Depressed Center Wheels (Type 27, Type 28 & Type 29)
	54V	3.0 H.P.	
	64V	4.0 H.P.	
6	520V	2.0 H.P.	Vertical Grinders for use with Cup Wheels (Type 6 & Type 11)
	58C	3.0 H.P.	
	68C	4.0 H.P.	
7	56PC	3.0 H.P.	Vertical Pile Cutters for use with Type 1 cut-off (Type 41) or Diamond Wheels
	66PC	4.0 H.P.	
8	510V	1.5 H.P.	Vertical Sanders for use with abrasive sanding discs and surface conditioning abrasives
	520V	2.0 H.P.	
	56S	3.0 H.P.	

Handles

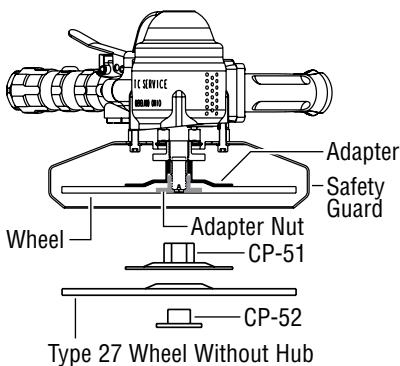
Several different handle styles are offered on our vertical tools. The picture below shows each in detail.



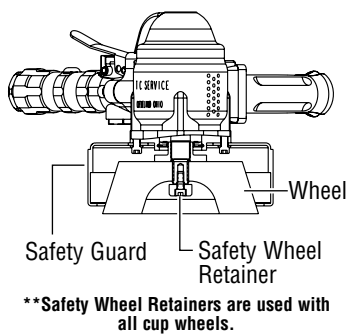
Mounting of Wheels

Each wheel type mounts onto the tool in a specific way. Please consult the diagrams below 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. Mounting wheels in ways other than those shown below are non-compliant and may lead to injury.

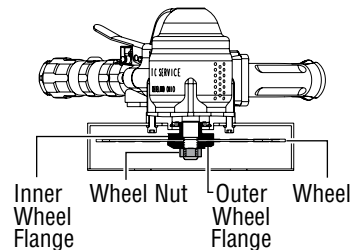
Proper Mounting of Type 27, 28 & 29 Wheels



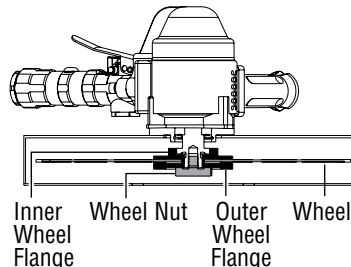
Proper Mounting of Type 6 or 11 Wheels



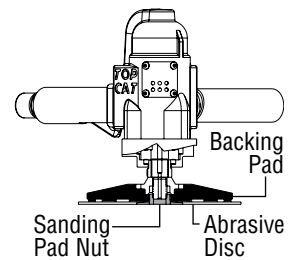
Pile Cutters 8" Size Guards



10"-14" Size Guards



Sanding Disc Mount

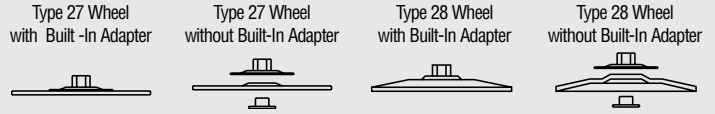


Speed/Guard Size Selection

The operating speed and guard size are closely linked to promote safety and maximize efficiency of the grinding operation. Each model offers various options listed in the Model Number Breakdown and in the chart with each product spread. The choices are based on the characteristics of each model. Please examine the speed/guard size options to select the one that matches the wheel speed/size you are using.

Vertical Grinders for use with Depressed Center Wheels

7" (180 mm) – 9" (230 mm) Type 27, 28 or 29 Wheels
2-4 H.P. (1500–3000 W)



Air Inlet Size: 1/2" NPT
Hose Size Recommendations: 1/2" (13 mm)
Arbor Size: 5/8 x 11

Extra Charge Accessories

- Depressed Center Wheel Adapter Kits
- Sanding Pads

Standard Equipment

- Tool with Wheel Guard of Choice
- Operating Instructions & Service Manual
- Wrench

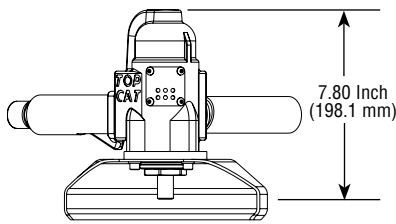
The depressed center wheel adapters are not supplied as standard equipment with the tools. If you are using a wheel that requires the adapters, they must be purchased separately.

VERTICAL GRINDERS

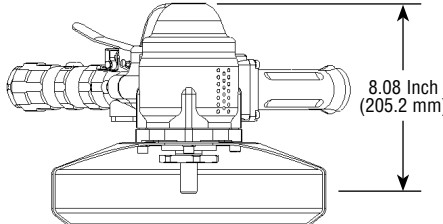
Quick Order Number

Model Number	Guard Size	Maximum Operating Speed	Throttle Handle Type	
			Standard	Safety
520V	7 Inch	8000 RPM	520VXL;727	520VXK;727
			54VL;727	54VK;727
54V	9 Inch	6000 RPM	54VL;927	54VK;927
			64VL;727	64VK;727
64V	9 Inch	6000 RPM	64VL;927	64VK;927

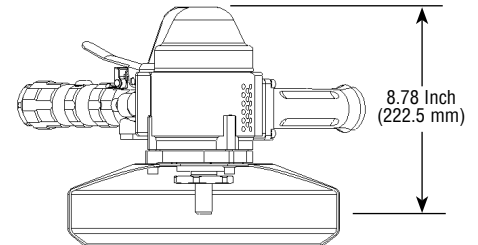
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.



520V Series



54V Series



64V Series



2.0 H.P.
(1500 W)



6.7 Lb.
(3.0 Kg)



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



3.0 H.P.
(2250 W)



8.8 Lb.
(3.9 Kg)



25 cfm (11.8 L/s) Free Speed
60 cfm (28.3 L/s) Max



4.0 H.P.
(3000 W)



11.0 Lb.
(5.0 Kg)



25 cfm (11.8 L/s) Free Speed
75 cfm (35.4 L/s) Max

Example Model Number: **54V L ; 6000;927**

The blue highlighted entries are shown in the Quick Reference Box above.

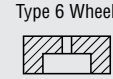
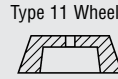
Model Number	Lever Style	Operating Speed/Guard Size
520V	Please choose one of the following options: K - Safety Lever XL - Standard Lever XK - Safety Lever XB - Thumb Switch XLTK - Turned/Knurled Standard Lever XKTK - Turned/Knurled Safety Lever XBTK - Turned/Knurled Thumb Switch XLTKW - Turned/Knurled/Cushioned Standard Lever XKTKW - Turned/Knurled/Cushioned Safety Lever XBTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 8000;727 - 8000 R.P.M. with 7 Inch T27 Guard 8000;728 - 8000 R.P.M. with 7 Inch T28 Guard
54V	Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 6000;727 - 6000 R.P.M. with 7 Inch T27 Guard 6000;728 - 6000 R.P.M. with 7 Inch T28 Guard 6000;927 - 6000 R.P.M. with 9 Inch T27 Guard 6000;928 - 6000 R.P.M. with 9 Inch T28 Guard 8000;727 - 8000 R.P.M. with 7 Inch T27 Guard 8000;728 - 8000 R.P.M. with 7 Inch T28 Guard
64V	Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 6000;727 - 6000 R.P.M. with 7 Inch T27 Guard 6000;728 - 6000 R.P.M. with 7 Inch T28 Guard 6000;927 - 6000 R.P.M. with 9 Inch T27 Guard 6000;928 - 6000 R.P.M. with 9 Inch T28 Guard 8000;727 - 8000 R.P.M. with 7 Inch T27 Guard 8000;728 - 8000 R.P.M. with 7 Inch T28 Guard



Vertical Grinders for use with Cup Wheels

4" (100 mm) – 6" (150 mm) Type 6 or 11 Wheels
2-4 H.P. (1500–3000 W)

VERTICAL GRINDERS



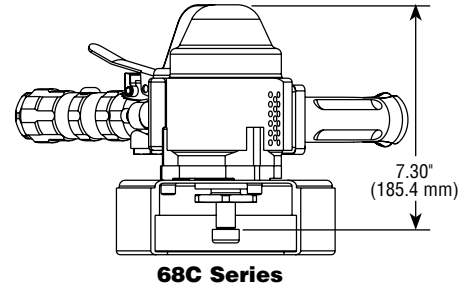
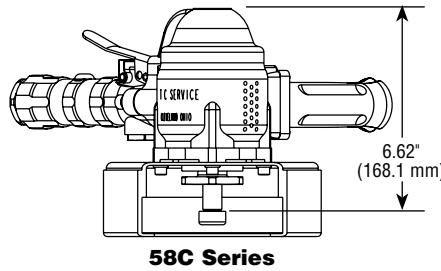
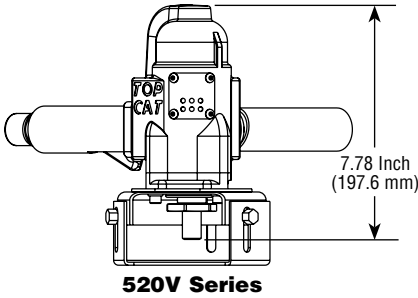
Air Inlet Size: 1/2" NPT
Hose Size Recommendations: 1/2" (13 mm)
Arbor Size: 5/8 x 11
Standard Equipment

- Tool with Wheel Guard of Choice
- Operating Instructions and Service Manual
- Wrench

Quick Order Number

Model Number	Guard Size	Maximum Operating Speed	Throttle Handle Type	
			Standard	Safety
520V	4 Inch	8000 RPM	520VXL;411	520VXK;411
58C	6 Inch	6000 RPM	58CL;611	58CK;611
68C	6 Inch		68CL;611	68CK;611

This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.



2.0 H.P.
(1500 W)



6.7 Lb.
(3.0 Kg)



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



3.0 H.P.
(2250 W)



8.8 Lb.
(3.9 Kg)



25 cfm (11.8 L/s) Free Speed
60 cfm (28.3 L/s) Max



4.0 H.P.
(3000 W)



11.0 Lb.
(5.0 Kg)



25 cfm (11.8 L/s) Free Speed
75 cfm (35.4 L/s) Max

Example Model Number: **58C L ; 6000;611**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Operating Speed/Guard Size
520V	Please choose one of the following options: K - Safety Lever XL - Standard Lever XK - Safety Lever XB - Thumb Switch XLTK - Turned/Knurled Standard Lever XKTK - Turned/Knurled Safety Lever XBTK - Turned/Knurled Thumb Switch XLTKW - Turned/Knurled/Cushioned Standard Lever XKTKW - Turned/Knurled/Cushioned Safety Lever XBTKW - Turned/Knurled/Cushioned Thumb Switch	8000;411 - 8000 R.P.M. with 4 Inch T11 Guard
58C	Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 6000;611 - 6000 R.P.M. with 6 Inch T11 Guard 7000;511 - 7000 R.P.M. with 5 Inch T11 Guard 8000;411 - 8000 R.P.M. with 4 Inch T11 Guard
68C	Please choose one of the following options: LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 6000;611 - 6000 R.P.M. with 6 Inch T11 Guard 7000;511 - 7000 R.P.M. with 5 Inch T11 Guard



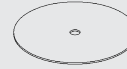
Pile Cutters

8" (200 mm) – 14" (350 mm)
3-4 H.P. (2250–3000 W)



Reinforced Cut-Off Wheels

Diamond Wheels



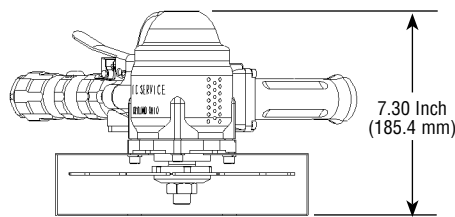
Air Inlet Size: 1/2" NPT
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

- Wet Cutting Attachment
- Standard Equipment**
- Tool
- 2 Inch Wrench
- Operating Instructions and Service Manual

VERTICAL GRINDERS

Quick Order Number				
Model Number	Guard Size	Maximum Operating Speed	Throttle Handle Type	
			Standard	Safety
56PC	8 Inch	6000 RPM	56PCL;841	56PCK;841
66PC	12 Inch	5000 RPM	66PCL;1241	66PCK;1241
66PC	14 Inch	4000 RPM	66PCL;1441	66PCK;1441

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56PCK



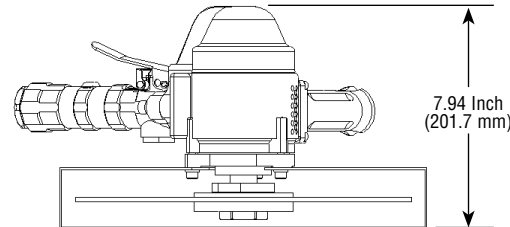
3.0 H.P.
(2250 W)



8.8 Lb.
(3.9 Kg)



25 cfm (11.8 L/s) Free Speed
60 cfm (28.3 L/s) Max



66PCK



4.0 H.P.
(3000 W)



11.0 Lb.
(5.0 Kg)



25 cfm (11.8 L/s) Free Speed
75 cfm (35.4 L/s) Max

Example Model Number: **56PC L ; 6000;841**

Model Number	Lever Style	Operating Speed/Guard Size
56PC	<i>Please choose one of the following options:</i> L - Standard Lever K - Safety Lever B - Thumb Switch	6000;841 - 6000 R.P.M. with 8 Inch T1 Guard
66PC	LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	<i>Please choose one of the following options:</i> 6000;1041 - 6000 R.P.M. with 10 Inch T1 Guard (5/8" ID Mount) 5000;1241 - 5000 R.P.M. with 12 Inch T1 Guard (Bonded Abrasive) 6000;1241 - 6000 R.P.M. with 12 Inch T1 Guard (Segmented Diamond) 4000;1441 - 4000 R.P.M. with 14 Inch T1 Guard (Bonded Abrasive) 5000;1441 - 5000 R.P.M. with 14 Inch T1 Guard (Segmented Diamond)

Governor Controlled Tool

WARNING: Follow all recommendations from component and abrasive manufacturers for speeds and proper usage.

Vertical Sanders for use with Sanding Discs & Surface Conditioning Abrasives

4" (100 mm) – 9" (230 mm)
1.5-3 H.P. (1130–2250 W)

VERTICAL GRINDERS

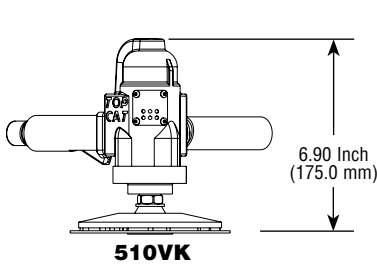


- Air Inlet Size: 1/2" NPT**
Hose Size Recommendations: 1/2" (13 mm)
Arbor Size: 5/8 x 11
Standard Equipment
- Tool with Sanding Pad of Choice
 - Operating Instructions and Service Manual
 - Wrench

Quick Order Number

Model Number	Sanding Pad Size	Maximum Operating Speed	Throttle Handle Type	
			Standard	Safety
510V	7 Inch	4000 RPM	510VXL;7SP	510VXK;7SP
520V		8000 RPM	520VXL;7SP	520VXK;7SP
56S	9 Inch	6000 RPM	56SL;9SP	56SK;9SP

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510VK



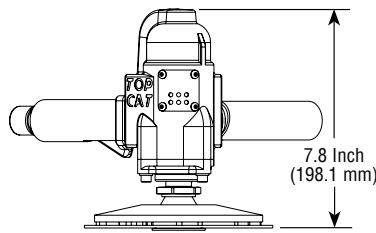
1.5 H.P.
(1125 W)



6.0 Lb.
(2.7 Kg)



35 cfm (16.5 L/s) Max



520VK



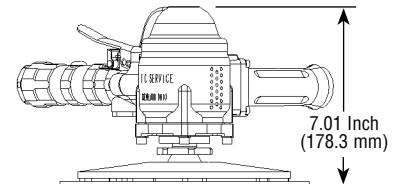
2.0 H.P.
(1500 W)



6.7 Lb.
(3.0 Kg)



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



56SK - Sander



3.0 H.P.
(2250 W)



7.9 Lb.
(3.6 Kg)



25 cfm (11.8 L/s) Free Speed
60 cfm (28.3 L/s) Max

Example Model Number: **520V XL ; 8000;7SP**

The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Operating Speed/Sanding Pad Size
510V	Please choose one of the following options: K - Safety Lever XL - Standard Lever XK - Safety Lever XB - Thumb Switch XLTK - Turned/Knurled Standard Lever XKTK - Turned/Knurled Safety Lever XBTK - Turned/Knurled Thumb Switch	Please choose one of the following options: 4000;4SP - 4000 R.P.M. with 4 Inch Sanding Pad 4000;5SP - 4000 R.P.M. with 5 Inch Sanding Pad 4000;7SP - 4000 R.P.M. with 7 Inch Sanding Pad 4000;9SP - 4000 R.P.M. with 9 Inch Sanding Pad
520V	Please choose one of the following options: XLTKW - Turned/Knurled/Cushioned Standard Lever XKTKW - Turned/Knurled/Cushioned Safety Lever XBTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 12000;4SP - 12000 R.P.M. with 4 Inch Sanding Pad 10000;5SP - 10000 R.P.M. with 5 Inch Sanding Pad 8000;7SP - 8000 R.P.M. with 7 Inch Sanding Pad 6000;9SP - 6000 R.P.M. with 9 Inch Sanding Pad
56S	Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	Please choose one of the following options: 8000;7SP - 8000 R.P.M. with 7 Inch Sanding Pad 6000;9SP - 6000 R.P.M. with 9 Inch Sanding Pad



Governor Controlled Tool Geared Tool

WARNING: Follow all recommendations from component and abrasive manufacturers for speeds and proper usage.