

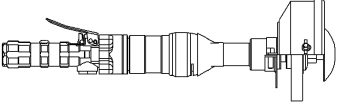
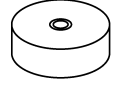

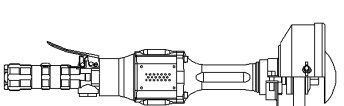
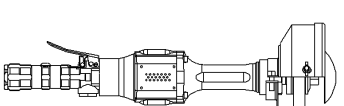


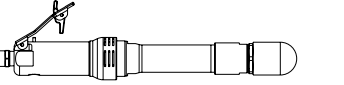
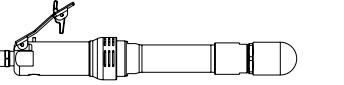


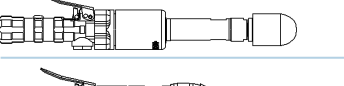
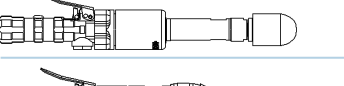

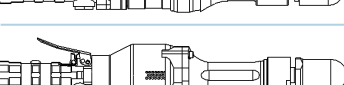
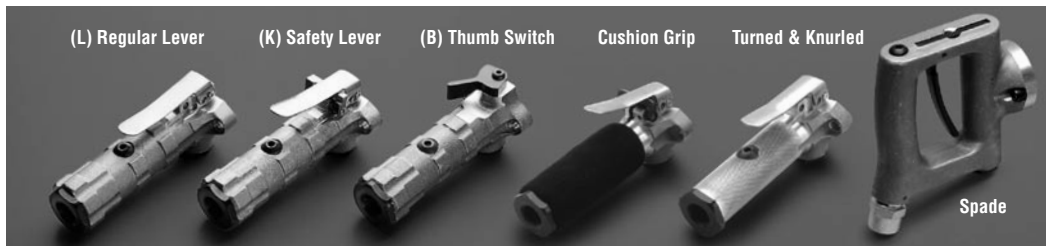


Large Horizontal Grinders

Section Contents

Page Number	Model Number	Power	Description	
47	5201H	2.0 H.P.	Horizontal Grinders for use with Larger (6 Inch - 8 Inch) Type 1 Wheels	 Type 1 Wheel  Circular Flap Wheels 
47	56H	3.0 H.P.	Horizontal Grinders for use with Larger (6 Inch - 8 Inch) Type 1 Wheels	 Surface Finishing Wheels  Circular Wire Wheels 
47	65H	4.0 H.P.	Horizontal Grinders for use with Larger (6 Inch - 8 Inch) Type 1 Wheels	
48	400GH	1.2 H.P.	Horizontal Grinders for use with 5/8-11 Cone Wheels	 Type 16 Cone Wheel  Type 17 Cone Wheel 
48	511H	1.5 H.P.	Horizontal Grinders for use with 5/8-11 Cone Wheels	
48	5201H	2.0 H.P.	Horizontal Grinders for use with 5/8-11 Cone Wheels	 Type 17R Cone Wheel  Type 18 Cone Wheel 
48	56H	3.0 H.P.	Horizontal Grinders for use with 5/8-11 Cone Wheels	
48	65H	4.0 H.P.	Horizontal Grinders for use with 5/8-11 Cone Wheels	 Type 18R Cone Wheel 

Handles



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

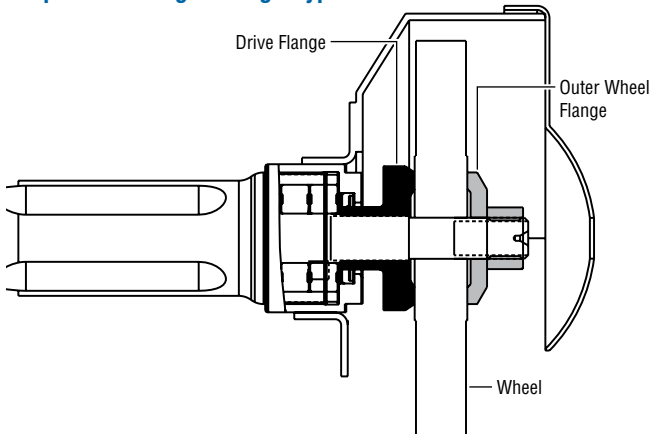
Speed/Guard Size Selection

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.

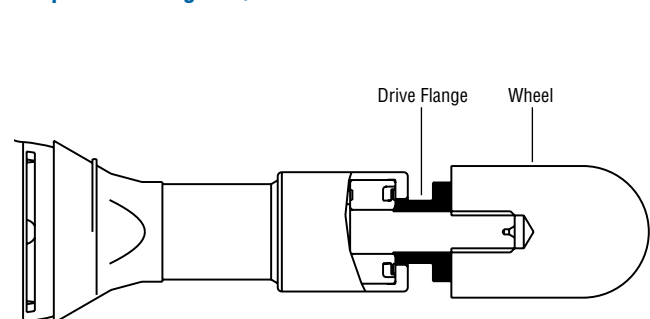
Mounting of Wheels

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 Large Type 1 Wheels

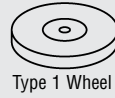


Proper Mounting of 5/8-11 Cone Wheels



Large Horizontal Grinders For Type 1 Wheels, Flap Wheels and Wire Wheels

4" (100 mm) – 8" (200 mm)
2-4 H.P. (1500–3000 W)



Type 1 Wheel



Circular Flap Wheel



Surface Finishing Wheel



Circular Wire Wheel

Air Inlet Size: 1/2" NPT

Hose Size Recommendations: 1/2" (13 mm)

Extra Charge Accessories

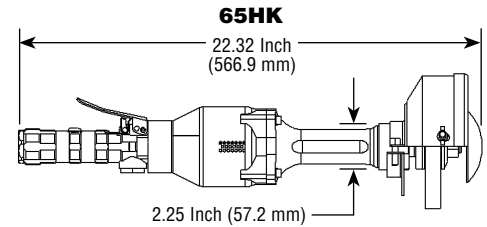
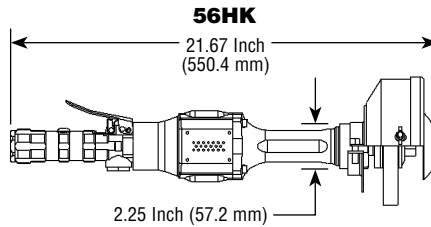
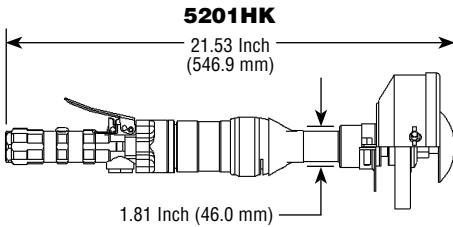
- +2" and +3" spindles for use with wire buffing wheels (56H & 65H Series Only)
- Cone Wheel Adapters • Adapters for Surface Finishing Wheels
- Reinforced Guards (56H & 65H Series Only)

Standard Equipment

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

Quick Order Number					
Model Number	Guard Size	Maximum Operating Speed	Throttle Handle Type		
			Standard	Safety	Spade
5201H	6	8000 RPM	5201HL;601	5201HK;601	5201HG;601
56H	6		56HL;601	56HK;601	56HG;601
	8	6000 RPM	56HL;801	56HK;801	56HG;801
65H	6	8000 RPM	65HL;601	65HK;601	65HG;601
	8	6000 RPM	65HL;801	65HK;801	65HG;801

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.



HP 2.0 H.P. (1500 W)

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

HP 3.0 H.P. (2250 W)

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

HP 4.0 H.P. (3000 W)

cfm 25 cfm (11.8 L/s) Free Speed
75 cfm (35.3 L/s) Max

Lbs 11.7 Lb. (5.3 Kg)

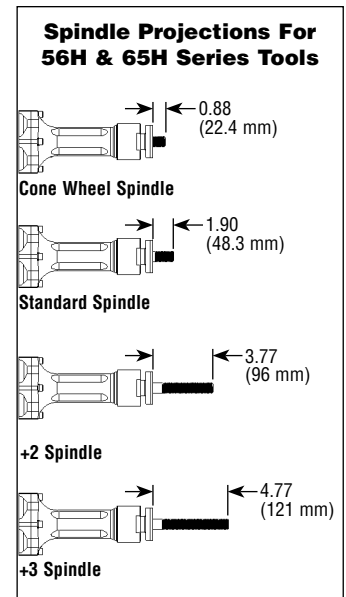
Lbs 12.9 Lb. (5.8 Kg)

Lbs 14.1 Lb. (6.4 Kg)

Example Model Number: **56H G ; 6000;601**

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

Model Number	Lever Style	Operating Speed/Guard Size
5201H	Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch G - Spade Handle	Please choose one of the following options: 12000;401 - 12000 R.P.M. with 4 Inch T1 Wheel Guard 6000;601 - 6000 R.P.M. with 6 Inch T1 Wheel Guard 8000;601 - 8000 R.P.M. with 6 Inch T1 Wheel Guard
56H	LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch	Please choose one of the following options: 6000;601 - 6000 R.P.M. with 6 Inch T1 Wheel Guard 8000;601 - 8000 R.P.M. with 6 Inch T1 Wheel Guard 6000;801 - 6000 R.P.M. with 8 Inch T1 Wheel Guard
65H	LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	



Geared Tool Governor Controlled Tool

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

Large Horizontal Grinders For 5/8-11 Cone Wheels



Air Inlet Size:
400GH: 3/8" NPT
511H, 5201HCW, 56HCW & 65HCW: 1/2" NPT
Hose Size Recommendations: 1/2" (13 mm)
Standard Equipment

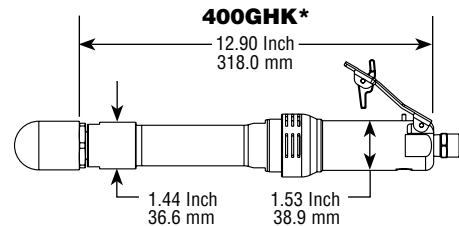
- Tool • Wheel Nut • Wrench
- Operating Instructions and Service Manual

Quick Order Number

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.

Model Number	Maximum Operating Speed	Throttle Handle Type	
		Standard	Safety
400GH2*	20000 RPM	400GH2S	400GH2SK
511H*	18000 RPM	511HLS	511HKS
5201H*	12000 RPM	5201HLCW	5201HKCW
56H	9000 RPM	56HLCW	56HKCW
65H	8000 RPM	65HLCW	65HKCW

*The 400GH2 and 511H tools ordered under the numbers in this chart will be supplied with steel case material. Aluminum case material is available for these models. Please see the chart at the bottom of this page.



1.2 H.P.
(900 W)



3.5 Lb. (1.6 Kg) Aluminum
 4.6 Lb. (2.1 Kg) Steel



35 cfm (16.5 L/s) Max

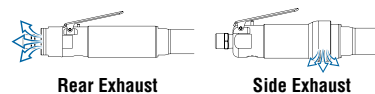
*Rear exhaust adds 0.82 Inch (20.8mm) to overall length.

Example Model Number: **400GH2 K S R ; 20000**

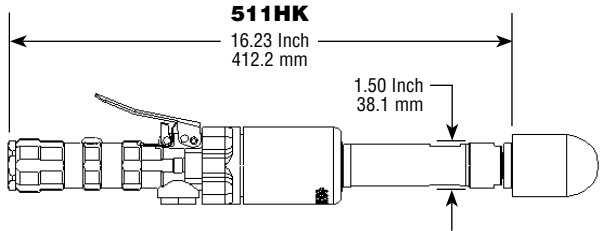
The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Lever Style	Case Material	Exhaust Direction	Operating Speed
400GH2	Please choose one of the following options: L - Standard Lever K - Safety Lever	Please choose one of the following options: No Designation - Aluminum Case S - Steel Case	Please choose one of the following options: No Designation - Side Exhaust R - Rear Exhaust	20000 - 20000 R.P.M.
511H	Please choose one of the following options: L - Standard Lever K - Safety Lever	Steel	Side	18000 - 18000 R.P.M.
5201HCW	Please choose one of the following options: B - Thumb Switch G - Spade Handle LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever			Please choose one of the following options: 9000 - 9000 R.P.M. 12000 - 12000 R.P.M.
56HCW	Please choose one of the following options: BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever	Aluminum	Side	9000 - 9000 R.P.M.
65HCW	Please choose one of the following options: BTKW - Turned/Knurled/Cushioned Thumb Switch			8000 - 8000 R.P.M.

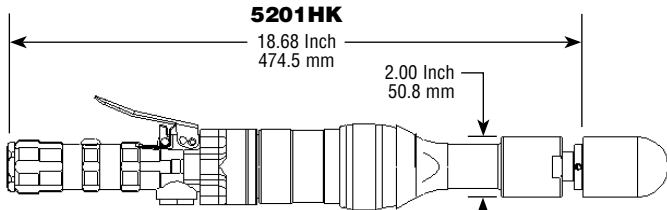
Governor Controlled Tool



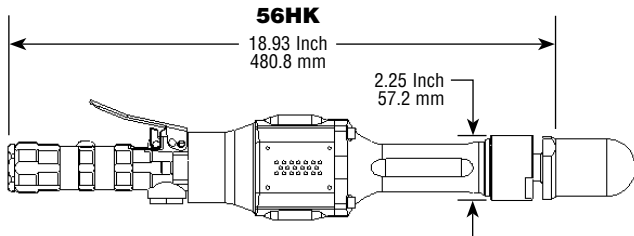
WARNING: Follow all recommendations from component and abrasive manufacturers for speeds and proper usage.



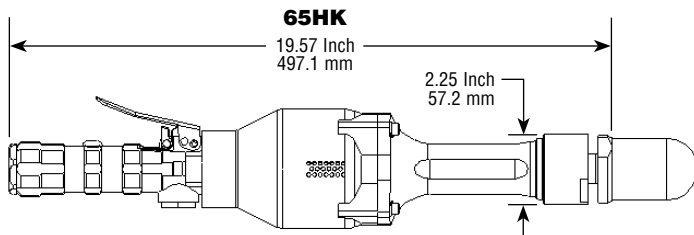
511HK
 1.5 H.P. (1125 W) | 5.9 Lb. (2.7 Kg) Aluminum / 7.2 Lb. (3.3 Kg) Steel | 35 cfm (16.5 L/s) Max



5201HK
 2.0 H.P. (1500 W) | 8.6 Lb. (3.9 Kg) | 20 cfm (9.4 L/s) Free Speed / 35 cfm (18.9 L/s) Max



56HK
 3.0 H.P. (2250 W) | 9.6 Lb. (4.3 Kg) | 25 cfm (11.8 L/s) Free Speed / 60 cfm (28.3 L/s) Max



65HK
 4.0 H.P. (3000 W) | 10.8 Lb. (4.9 Kg) | 25 cfm (11.8 L/s) Free Speed / 75 cfm (35.3 L/s) Max