

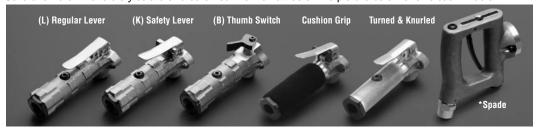
Small Horizontal Grinders

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56	5102H	1.5 H.P.	Non-Governed		

Handles

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



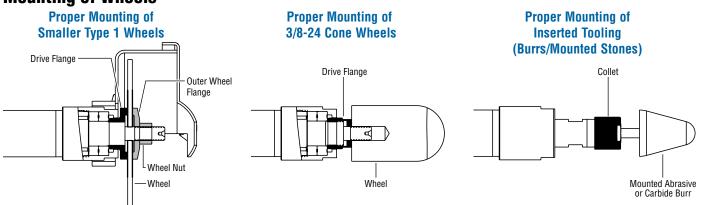
*Only tools of 1.5 H.P. or larger can accept the spade style handle. Tools of 1.2 H.P. and lower have different handle options.

Lever Style





Mounting of Wheels



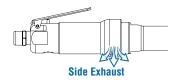


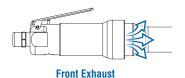
Case Material

The choice of case material affects the weight and durability of the tool. By it's nature, aluminum is lighter in weight than steel. Steel is more durable in aggressive environments.

Exhaust Direction







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.



Governed vs. Non-Governed Tools

A governor on a tool will help to maintain a high level of torque at lower operating speeds. If your application requires a lower operating speed, then a governor may be to your benefit. Tools set to higher rated speeds will not benefit from the use of a governor. The following chart will act as a guide based on the operating speed required by your application.

	Speeds Norm Finis	ally Deemed shing Abrasiv		4 Inch Type 1 Wheels	Speeds Nor	mally Deemed fo	r Burrs/Moun Wheels	ted Stones & S	mall Cut-off
R.P.M.	12000	13000	14000	15000	16000	17000	18000	19000	20000
1.2 H.P.		407GH					400GH		
1.5 H.P.		57H				51H			
	Governed Tool		ernor Rear Endp	olate	Non	-Governed Tool	Rear Endpla	te	_



Grinders For 3/8" I.D. Type 1 Wheels, Flap Wheels And Wire Wheels



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Air Inlet Size:

400GH4 & 407GH4: 3/8" NPT

51H & 57H: 1/2" NPT

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

Extra Charge Accessories

- Cone Wheel Adapters Heavy-Duty 2-pc. Collets
- Erickson Style Collets
 Safety Lever

Standard Equipment

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

Quick Order Number						
Model	Guard	Maximum Case N Operating Speed Aluminum	Case Material			
Number	Size		Steel			
400GH4	3 Inch	18000 RPM	400GH4;301	400GH4S;301		
407GH4	4 Inch	15000 RPM	407GH4;401	407GH4S;401		
51H	3 Inch	18000 RPM	51HL;301	51HLS;301		
57H	4 Inch	15000 RPM	57HL;401	57HLS;401		
407GH4 51H	4 Inch 3 Inch	15000 RPM 18000 RPM	407GH4;401 51HL;301	407GH4S; 51HLS;3		

All the versions listed in the table will be supplied with a standard lever throttle (class 1). A safety lever throttle (class 2) is also available.

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.

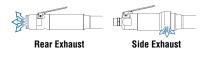
Example Model Number: 400GH4 K S R; 18000

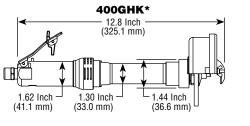
*	★	*	*	*
Model Number	The blue highlighted e Lever Style	ntries are shown in the Quick Case Material	Reference Box above. Exhaust Direction	Operating Speed
400GH4	Please choose one of the following options: L - Standard Lever K - Safety Lever	Please choose one of the	Please choose one of the following options: No Designation - Side Exhaust R - Rear Exhaust	18000 - 18000 R.P.M. with 3 Inch T1 Guard
🤻 407GH4				15000 - 15000 R.P.M. with 4 Inch T1 Guard
51H	Please choose one of the following options:			18000 - 18000 R.P.M. with 3 Inch T1 Guard
₹ 57H	L - Standard Lever K - Safety Lever B - Thumb Switch G - Spade Handle LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Standard Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	following options: No Designation - Aluminum Case S - Steel Case	No Designation - Side Exhaust	15000 - 15000 R.P.M. with 4 Inch T1 Guard

Governor Controlled Tool











(900 W)

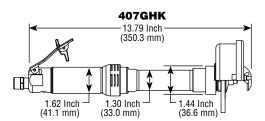
Lbs

3.5 Lb. (1.6 Kg) Aluminum 4.7 Lb. (2.1 Kg) Steel



35 cfm (16.5 L/s) Max

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



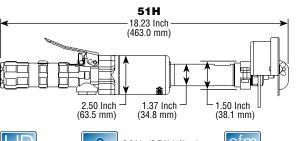




3.6 Lb. (1.6 Kg) Aluminum 4.9 Lb. (2.2 Kg) Steel



20 cfm (9.4 L/s) Free Speed 35 cfm (16.5 L/s) Max





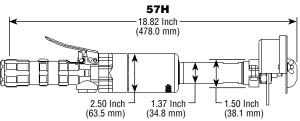
1.5 H.P. (1125W)



6.0 Lb. (2.7 Kg) Aluminum 7.6 Lb. (3.4 Kg) Steel



35 cfm (16.5 L/s) Max



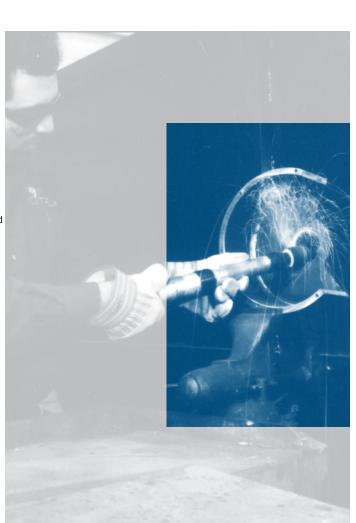




6.1 Lb. (2.8 Kg) Aluminum 7.7 Lb. (3.5 Kg) Steel



20 cfm (9.4 L/s) Free Speed 35 cfm (16.5 L/s) Max





Horizontal Extended Grinders For 3/8-24 Cone Wheels

1.2 - 1.5 H.P. (900-1130 W)



Type 17	









Cone Wheel

Type 16 Cone Wheel

Type 17R Cone Wheel

Type 18 Cone Wheel

Type 18R Cone Wheel

Air Inlet Size:

400GH1: 3/8" NPT 51HCW: 1/2" NPT

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

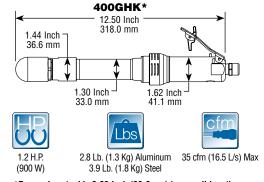
· Safety Lever

Standard Equipment

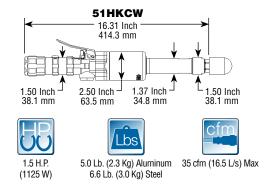
- Tool Operating Instructions and Service Manual
- 2 Wrenches (sizes based on options)

Quick Order Number								
Model	Spindle Size	Maximum	Throttle Type					
Number		Operating Speed	Standard	Safety				
400GH1	3/8-24 X 0.580	20000 RPM	400GH1	400GH1K				
51H	3/0-24 A U.30U	18000 RPM	51HLCW	51HLKCW				
This chart I	nas been provided a	is a means to quick	ly identify a pa	articular tool.				

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.



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

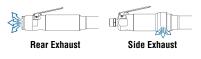


Example Model Number: 400GH1 K S R; 20000

<u> </u>	↓			
Model Number	The blue highlighted en Lever Style	ntries are shown in the Quick Case Material	Reference Box above. Exhaust Direction	Operating Speed
400GH1	Please choose one of the following options: L - Standard Lever K - Safety Lever		Please choose one of the following options: No Designation - Side Exhaust R - Rear Exhaust	20000 - 20000 R.P.M.
51HCW	Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch G - Spade Handle LTK - Turned/Knurled Standard Lever KTK - Turned/KnurledSafety 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: No Designation - Aluminum Case S - Steel Case	No Designation - Side Exhaust	18000 - 18000 R.P.M.













Extended Grinders with Erickson® Style Collets for Carbide Burrs, Mounted Points



Air Inlet Size: 250EH, 300EH & 300GHD: 1/4" NPT 400GHD: 3/8" NPT 5102H: 1/2" NPT

Hose Size Recommendations: 250EH, 300EH & 300GHD: 3/8" (10 mm) 400GHD & 5102H: 1/2" (13 mm)

Extra Charge Accessories

· Safety Lever

Standard Equipment

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

Quick Order Number Model Number **Case Material** Maximum **Collet Size Operating Speed Aluminum** Steel 250EH 40000 RPM 250EH:1/4 250EHS:1/4 300EH 30000 RPM 300EH;1/4 300EHS:1/4 300GHD 1/4 Inch 30000 RPM 300GHD;1/4 300GHDS;1/4 **400GHD** 20000 RPM 400GHD;1/4 400GHDS;1/4 5102H 18000 RPM 5102HL;1/4 5102HLS;1/4

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.

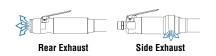
All the versions listed in the table will be supplied with a standard lever throttle (class 1). A safety lever throttle (class 2) is also available.

Example Model Number: <u>300GHD K S R</u>; <u>30000</u>; <u>1/4</u>

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Model Number	The blue high Lever Style	lighted entries are shown in Case Material	the Quick Reference Box ab Exhaust Direction	ove. Operating Speed	Collet Size	
250EH			Please choose one of the following options: No Designation - Side Exhaust R - Rear Exhaust	40000 - 40000 R.P.M.	Please choose one of the following options:	
300EH	Please choose one of the following options: L - Standard Lever			30000 - 30000 R.P.M.	1/8 - 1/8 Inch Collet 1/4 - 1/4 Inch Collet 3/8 - 3/8 Inch Collet 3MM - 3mm Collet 6MM - 6mm Collet 8MM - 8mm Collet	
300GHD	K - Safety Lever			30000 - 30000 N.F.IVI.		
400GHD				20000 - 20000 R.P.M.		
51H	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: 1/4 - 1/4 Inch Collet 3/8 - 3/8 Inch Collet	
5102H	B - Thumb Switch G - Spade Handle LTK - Turned/Knurled Standard Lever KTK - Turned/KnurledSafety Lever BTK - Turned/Knurled Thumb Switch LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch		No Designation - Side Exhaust	18000 - 18000 R.P.M.	Please choose one of the following options: 1/8 - 1/8 Inch Collet 1/4 - 1/4 Inch Collet 3/8 - 3/8 Inch Collet 3MM - 3mm Collet 6MM - 6mm Collet 8MM - 8mm Collet	

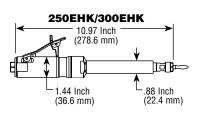






0.4-1.5 H.P. (300-1130 W)





1.44 Inch

(36.6 mm)

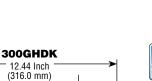


300EH - 0.7 H.P. (525 W)

Aluminum 250EH - 2.0 Lb. (0.9 Kg) 2.5 Lb. (1.1 Kg) 300EH - 2.1 Lb. (1.0 Kg) 2.7 Lb. (1.2 Kg)



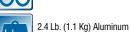
250EH - 18 cfm (8.5 L/s) Max 300EH - 25 cfm (11.8 L/s)



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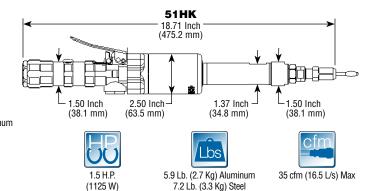
1.44 Inch (36.6 mm)

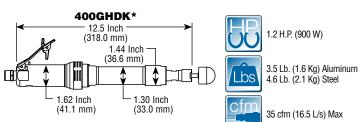




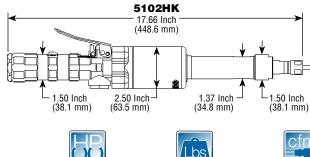
3.4 Lb. (1.5 Kg) Steel







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



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



Overhang is the distance between the grinder chuck and the abrasive on the spindle. The larger the overhang, the lower the maximum safe operation speed.

