

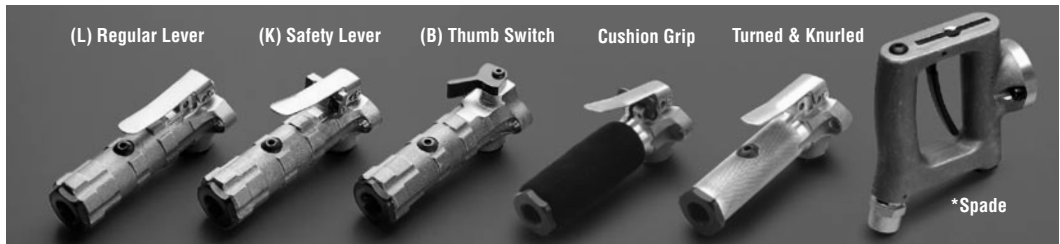
## Extended Grinders

### Section Contents

Page Number	Model Number	Power	Description	
60	400EH		Small Diameter Neck for Space Conscious Applications	
61	400GEH	1.2 H.P.	Rugged Extension and Front End Design	
61	407GEH			
62	520GEH	2.0 H.P.	Smaller Front End-Design	
62	520HGEH		Large Heavy Duty Front-End Design	
63	65GEH	4.0 H.P.	Smaller Front End-Design	
63	65HGEH		Large Heavy Duty Front-End Design	

### Handles

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



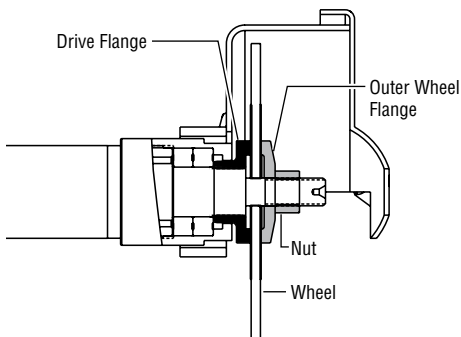
\*Only tools of 1.5 H.P. or larger can accept the spade style handle. Tools of 1.2 H.P. and lower have different handle options.

### Lever Style

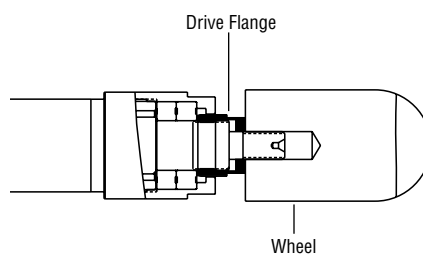


### Mounting of Wheels

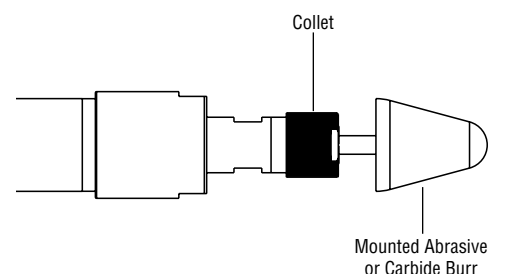
Proper Mounting of Smaller Type 1 Wheels



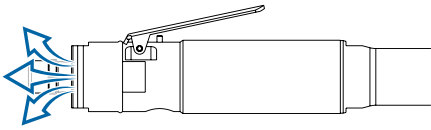
Proper Mounting of Cone Wheels



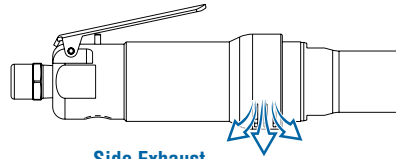
Proper Mounting of Inserted Tooling (Burrs/Mounted Stones)



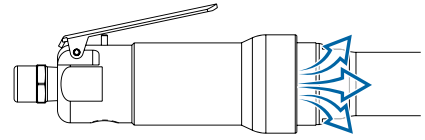
## Exhaust Direction



**Rear Exhaust**  
(0.7 H.P. & 1.2 H.P. tools only)



**Side Exhaust**



**Front Exhaust**

## Case Material

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



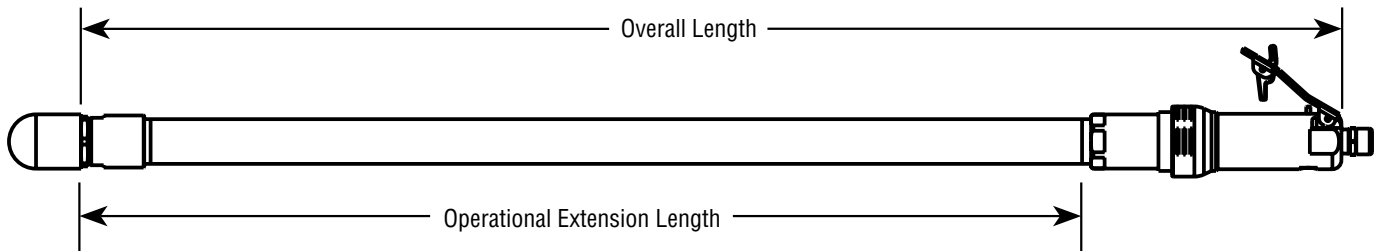
## Speed/Guard Size Selection

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.



## Extension Length

The "+XX" dimension that is designated in the model number is considered the "Operational Extension Length". This dimension is the actual length of the extended housing from the front of the motor forward. The operator should use this dimension as a means to judge the length of necessary extension based on the application. This should not be confused with the "Overall Length" which includes the actual length of the motor and handle.



### Horizontal Extended Grinders For 3/8-24 Cone Wheels, Burrs, Mounted Stones

1.2 H.P. (900W)

#### Powerful 1.2 H.P. Motor



**Air Inlet Size: 3/8" NPT**

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

**Extra Charge Accessories**

- Safety Lever
- Standard Equipment**
- Tool with Wrench/Wrenches (# and size of wrenches based upon output type)
- Operating Instructions and Service Manual

**Special Features**

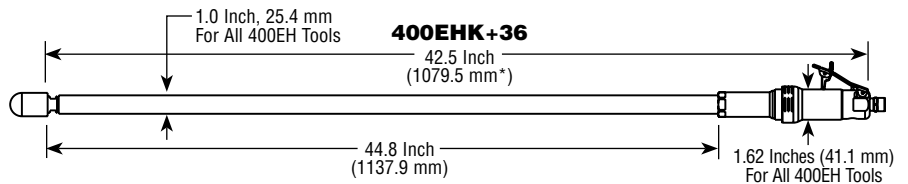
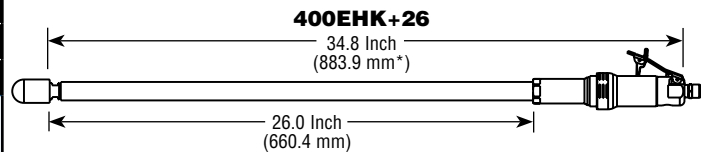
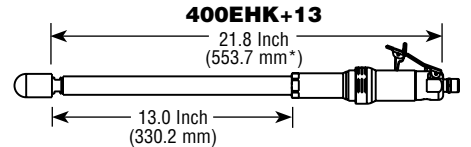
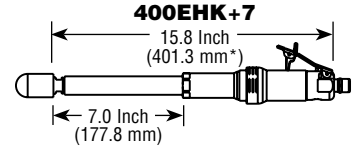
- 1.2 H.P. Motor

#### 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	Extension Length	Output	Maximum Operating Speed	Throttle Handle Type	
				Standard Lever	Safety Lever
400EH	+7	3/8-24 CW	20000 RPM	400EHS1+7	400EHKS1+7
		Collet		400EHS1+7	400EHKS1+7
	+13	3/8-24 CW		400EHS1+13	400EHKS1+13
		Collet		400EHS1+13	400EHKS1+13
	+26	3/8-24 CW		400EHS1+26	400EHKS1+26
		Collet		400EHS1+26	400EHKS1+26
	+36	3/8-24 CW		400EHS1+36	400EHKS1+36
		Collet		400EHS1+36	400EHKS1+36

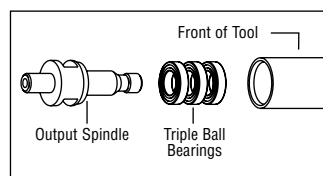
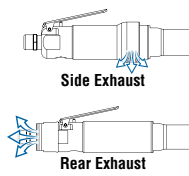
The tools ordered under the numbers in this chart will be supplied with steel case material. Aluminum case material is available for these models. Please see the chart at the bottom of this page.



Example Model Number: **400EH K S R D +36 ; 20000 ; 1/4**

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

Model Number	Lever Style	Case Material	Exhaust Direction	Output Options	Extension Length	Operating Speed	Collet Size*
400EH	Please choose one of the following options: <b>No Designation</b> - Standard Lever <b>K</b> - Safety Lever	Please choose one of the following options: <b>No Designation</b> - Aluminum Case <b>S</b> - Steel Case	Please choose one of the following options: <b>No Designation</b> - Side Exhaust <b>R</b> - Rear Exhaust	Please choose one of the following options: <b>1</b> - 3/8-24 X 0.580 Cone Wheel Spindle <b>D</b> - Insert Style Collet	Please choose one of the following options: <b>+7</b> - 7 Inch Extension <b>+13</b> - 13 Inch Extension <b>+26</b> - 26 Inch Extension <b>+36</b> - 36 Inch Extension	Please choose one of the following options: <b>18000</b> - 18000 R.P.M. <b>20000</b> - 20000 R.P.M.	Please choose one of the following options: <b>1/8</b> - 1/8 Inch Collet <b>1/4</b> - 1/4 Inch Collet <b>3/8</b> - 3/8 Inch Collet <b>3MM</b> - 3mm Collet <b>6MM</b> - 6mm Collet <b>8MM</b> - 8mm Collet



\*An entry from this column is only necessary when the D (Collet Output) option is chosen.

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

EXTENDED GRINDERS

**Horizontal Extended Grinders For 3/8-24 & 5/8-11 Cone Wheels, Burrs, Mounted Stones 1.2 H.P. (900W)**

**Powerful 1.2 H.P. Motor**



**Air Inlet Size: 3/8" NPT**

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

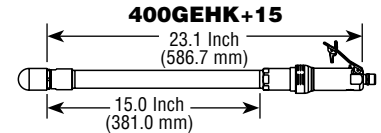
- Safety Lever
- Standard Equipment**
- Tool with Wrench/Wrenches (# and size of wrenches based upon output type)
- Operating Instructions and Service Manual

**Quick Order Number**

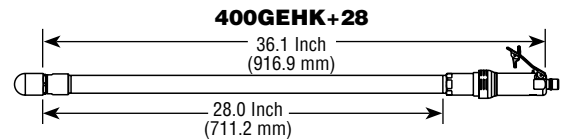
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Extension Length	Output	Maximum Operating Speed	Throttle Handle Type	
				Standard Lever	Safety Lever
400GEH	+15	3/8-24 CW	20000 RPM	400GEHS1+15	400GEHSK1+15
		5/8-11CW		400GEHS2+15	400GEHSK2+15
		Collet		400GEHSD+15;1/4	400GEHSDK+15;1/4
	+28	3/8-24 CW		400GEHS1+28	400GEHSK1+28
		5/8-11CW		400GEHS2+28	400GEHSK2+28
		Collet		400GEHSD+28;1/4	400GEHSDK+28;1/4
	+38	3/8-24 CW		400GEHS1+38	400GEHSK1+38
		5/8-11CW		400GEHS2+38	400GEHSK2+38
		Collet		400GEHSD+38;1/4	400GEHSDK+38;1/4
407GEH	+15	3/8-24 (Type 1)	15000 RPM	407GEHS4+15;401	407GEHSK4+15;401
	+28			407GEHS4+28;401	407GEHSK4+28;401
	+38			407GEHS4+38;401	407GEHSK4+38;401

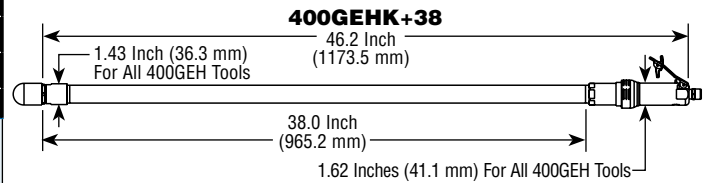
The tools ordered under the numbers in this chart will be supplied with steel case material. Aluminum case material is available for these models. Please see the chart at the bottom of this page.



1.2 H.P. (900 W) | 7.2 Lb. (3.3 Kg) Aluminum / 7.5 Lb. (3.4 Kg) Steel | 35 cfm (16.5 L/s) Max



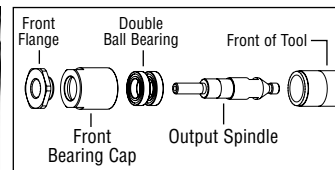
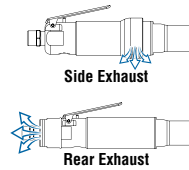
1.2 H.P. (900 W) | 9.2 Lb. (4.2 Kg) Aluminum / 9.5 Lb. (4.3 Kg) Steel | 35 cfm (16.5 L/s) Max



1.2 H.P. (900 W) | 11.4 Lb. (5.2 Kg) Aluminum / 11.7 Lb. (5.3 Kg) Steel | 35 cfm (16.5 L/s) Max

Example Model Number: **400GEH K S R D +38 ; 20000 ; 1/4**

Model Number	Lever Style	Case Material	Exhaust Direction	Output Options	Extension Length	Operating Speed	Collet Size*
400GEH	Please choose one of the following options: <b>No Designation</b> - Standard Lever <b>K</b> - Safety Lever	Please choose one of the following options: <b>No Designation</b> - Aluminum Case <b>S</b> - Steel Case	Please choose one of the following options: <b>No Designation</b> - Side Exhaust <b>R</b> - Rear Exhaust	Please choose one of the following options: <b>1</b> - 3/8-24 X 0.580 Cone Wheel Spindle <b>2</b> - 5/8-11 X 0.580 Cone Wheel Spindle <b>D</b> - Insert Style Collet	Please choose one of the following options: <b>+7</b> - 7 Inch Extension <b>+15</b> - 15 Inch Extension <b>+28</b> - 28 Inch Extension <b>+38</b> - 38 Inch Extension	Please choose one of the following options: <b>18000</b> - 18000 R.P.M. <b>20000</b> - 20000 R.P.M.	Please choose one of the following options: <b>1/8</b> - 1/8 Inch Collet <b>1/4</b> - 1/4 Inch Collet <b>3/8</b> - 3/8 Inch Collet <b>3MM</b> - 3mm Collet <b>6MM</b> - 6mm Collet <b>8MM</b> - 8mm Collet
407GEH			<b>No Designation</b> - Side Exhaust	<b>4</b> - 3/8-24 X 1.1 T1 Wheel Spindle		<b>Operating Speed/Guard Size</b> Please choose one of the following options: <b>15000;401</b> - 15000 R.P.M. with 4 Inch T1 Guard <b>18000;301</b> - 18000 R.P.M. with 3 Inch T1 Guard	



\*An entry from this column is only necessary when the D (Collet Output) option is chosen.

Governor Controlled Tool

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

**EXTENDED GRINDERS**

## Horizontal Extended Grinders For 3/8-24 & 5/8-11 Cone Wheels & Inserted Tooling 2 H.P. (1500W)

### Powerful 2.0 H.P. Motor



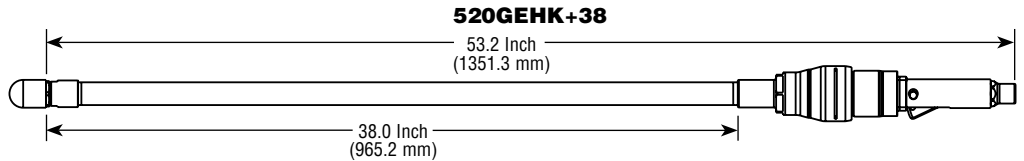
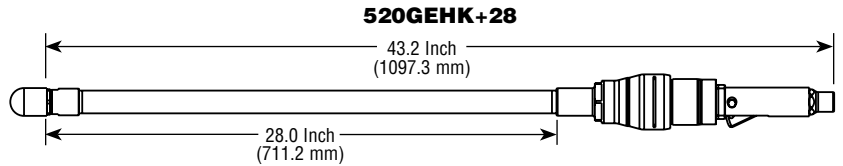
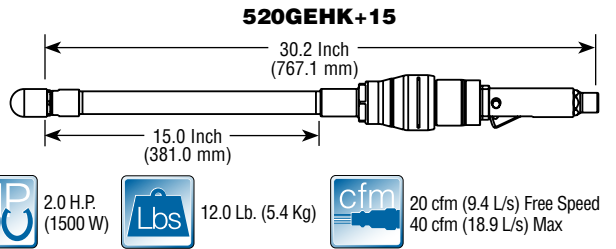
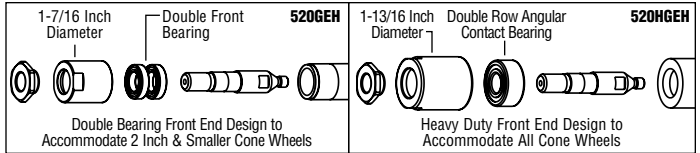
**Air Inlet Size: 1/2" NPT**  
**Hose Size Recommendations: 1/2" (13 mm)**  
**Standard Equipment**

- Tool • Wrench(es) (Amount and size based upon options)
- 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	Extension Length	Output	Maximum Operating Speed	Throttle Handle Type	
				Regular Lever	Safety Lever
520GEH	+15	5/8-11CW	12000 RPM	520GEHXL2+15	520GEHXK2+15
	+28			520GEHXL2+28	520GEHXK2+28
	+38			520GEHXL2+38	520GEHXK2+38
520HGEH	+15			520HGEHXL2+15	520HGEHXK2+15
	+28			520HGEHXL2+28	520HGEHXK2+28
	+38			520HGEHXL2+38	520HGEHXK2+38



2.0 H.P. (1500 W) | 14.0 Lb. (6.3 Kg) | 20 cfm (9.4 L/s) Free Speed, 40 cfm (18.9 L/s) Max

2.0 H.P. (1500 W) | 16.0 Lb. (7.2 Kg) | 20 cfm (9.4 L/s) Free Speed, 40 cfm (18.9 L/s) Max

Example Model Number: **520GEH XK D +15 ; 9000 ; 1/4**

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

Model Number	Lever Style	Output Options	Extension Length	Operating Speed	Collet Size*
520GEH	Please choose one of the following options: K - Safety Lever XL - Standard Lever XK - Safety Lever XB - Thumb Switch XG - Spade Handle XLTK - Turned/Knurled Standard Lever XKTK - Turned/Knurled Safety Lever XBTK - Turned/Knurled Thumb Switch	Please choose one of the following options: 1 - 3/8-24 X 0.580 Cone Wheel Spindle 2 - 5/8-11 X 0.580 Cone Wheel Spindle D - Insert Style Collet	Please choose one of the following options: +15 - 15 Inch Extension +28 - 28 Inch Extension +38 - 38 Inch Extension	Please choose one of the following options: 9000 - 9000 R.P.M. 12000 - 12000 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
520HGEH	XLTKW - Turned/Knurled/Cushioned Standard Lever XKTKW - Turned/Knurled/Cushioned Safety Lever XBTKW - Turned/Knurled/Cushioned Thumb Switch	2 - 5/8-11 X 0.580 Cone Wheel Spindle			

Governor Controlled Tool



\*An entry from this column is only necessary when the D (Collet Output) option is chosen.

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

EXTENDED GRINDERS

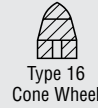
**Horizontal Extended Grinders For Cone Wheels**

4 H.P. (3000W)

**Powerful 4.0 H.P. Motor**

65HGEHG+38

65HGEHL+15

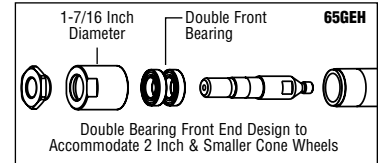
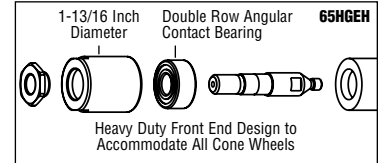


**Air Inlet Size: 1/2" NPT**  
**Hose Size Recommendations: 1/2" (13 mm)**  
**Arbor Size: 5/8 x 11**  
**Standard Equipment**

- Tool • 1 Wrench
- Operating Instructions and Service Manual

Quick Order Number					
Model Number	Extension Length	Output	Maximum Operating Speed	Throttle Handle Type	
				Standard	Safety
65GEH	+15	5/8-11CW	8000 RPM	65GEHL2+15	65GEHK2+15
	+28			65GEHL2+28	65GEHK2+28
	+38			65GEHL2+38	65GEHK2+38
65HGEH	+15			65HGEHL2+15	65HGEHK2+15
	+28			65HGEHL2+28	65HGEHK2+28
	+38			65HGEHL2+38	65HGEHK2+38

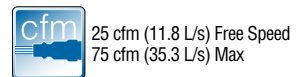
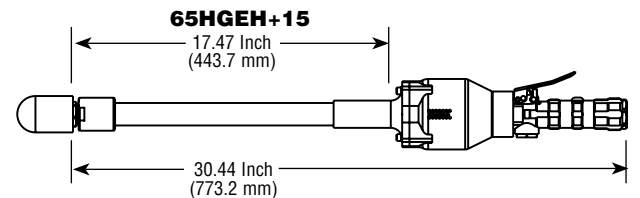
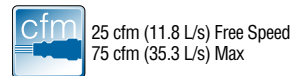
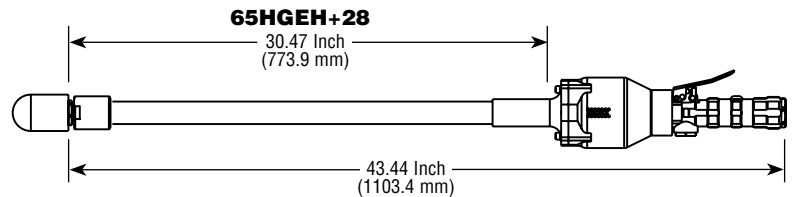
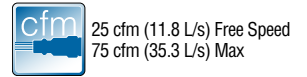
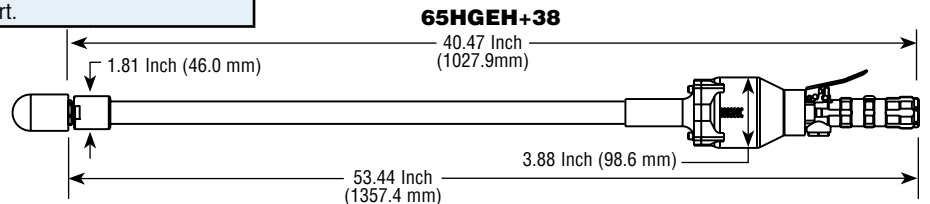
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.



**Special Note:**  
 Versions of this tool can be made with additional extensions. This allows for tools with a variety of extremely long extension lengths. Contact us for details.

Example Model Number:

**65GEH K +15 ; 9000**



Model Number	The blue highlighted entries are shown in the Quick Reference Box above.	Lever Style	Extension Length
65GEH		Please choose one of the following options: L - Standard Lever K - Safety Lever B - Thumb Switch G - Spade Handle	
65HGEH		LTK - Turned/Knurled Standard Lever KTK - Turned/Knurled Safety Lever BTK - Turned/Knurled Thumb Switch	Please choose one of the following options: +15 - 15 Inch Extension +28 - 28 Inch Extension +38 - 38 Inch Extension
Governor Controlled Tool		LTKW - Turned/Knurled/Cushioned Standard Lever KTKW - Turned/Knurled/Cushioned Safety Lever BTKW - Turned/Knurled/Cushioned Thumb Switch	



**EXTENDED GRINDERS**

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