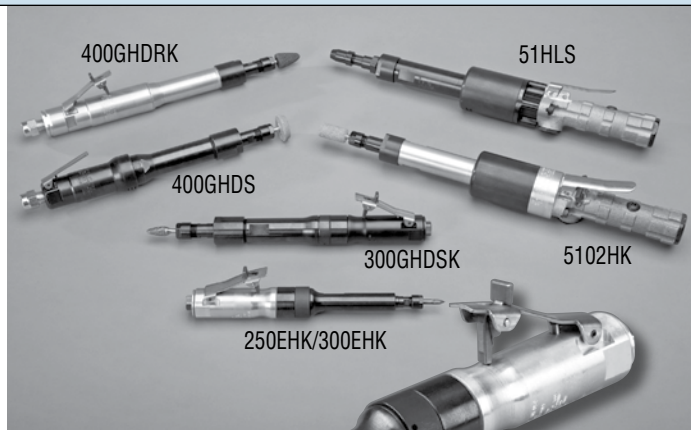


Extended Grinders with Erickson® Style Collets for Carbide Burrs, Mounted Points

SMALL HORIZONTAL GRINDERS



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)

Detail of 250EHK/300EHK

Quick Order Number

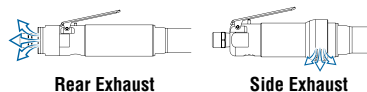
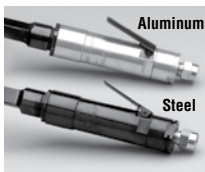
Model Number	Collet Size	Maximum Operating Speed	Case Material	
			Aluminum	Steel
250EH	1/4 Inch	40000 RPM	250EH;1/4	250EHS;1/4
300EH		30000 RPM	300EH;1/4	300EHS;1/4
300GHD		30000 RPM	300GHD;1/4	300GHDS;1/4
400GHD		20000 RPM	400GHD;1/4	400GHDS;1/4
5102H		18000 RPM	5102HL;1/4	5102HLS;1/4

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: **300GHD K S R ; 30000 ; 1/4**

The blue highlighted entries are shown in the Quick Reference Box above.						
Model Number	Lever Style	Case Material	Exhaust Direction	Operating Speed	Collet Size	
250EH	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	40000 - 40000 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	
300EH				30000 - 30000 R.P.M.		
300GHD						
400GHD						
51H	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/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: No Designation - Aluminum Case S - Steel Case	No Designation - Side Exhaust	18000 - 18000 R.P.M.	Please choose one of the following options: 1/4 - 1/4 Inch Collet 3/8 - 3/8 Inch Collet 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	
5102H						



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

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

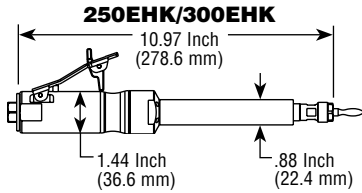


Mounted Stones

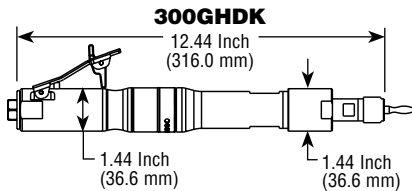


Carbide Burrs

SMALL HORIZONTAL GRINDERS


250EH - 0.4 H.P. (300 W)
300EH - 0.7 H.P. (525 W)

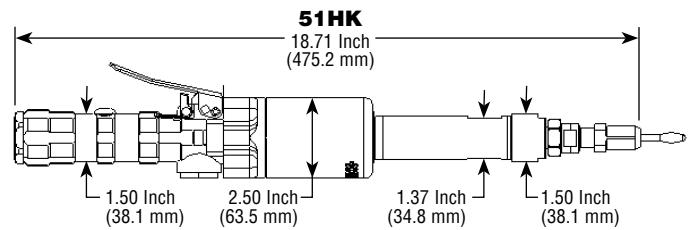

Aluminum	Steel
250EH - 2.0 Lb. (0.9 Kg)	2.5 Lb. (1.1 Kg)
300EH - 2.1 Lb. (1.0 Kg)	2.7 Lb. (1.2 Kg)


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


0.7 H.P. (525 W)

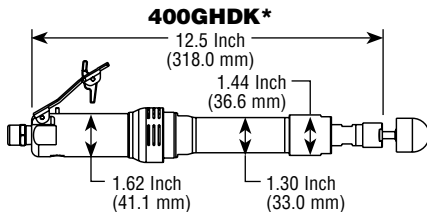

2.4 Lb. (1.1 Kg) Aluminum
3.4 Lb. (1.5 Kg) Steel


25 cfm (11.8 L/s) Max


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

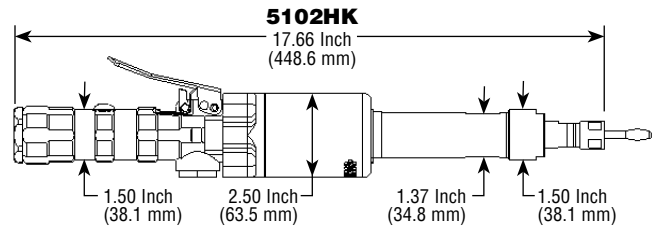


1.2 H.P. (900 W)


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.


1.5 H.P.
(1125 W)

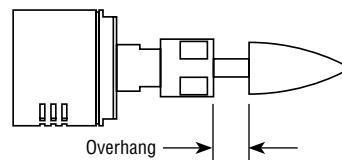
5.9 Lb. (2.7 Kg) Aluminum
7.2 Lb. 3.3 Kg Steel


35 cfm (16.5 L/s) Max

The ER Heavy Duty Collet Is Available On 400GH Series

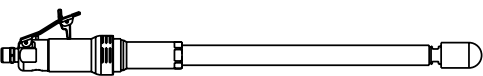
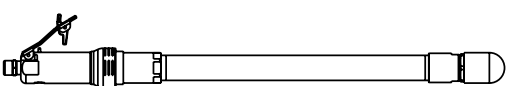
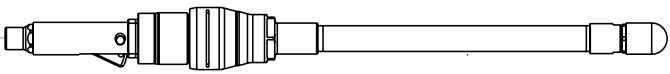
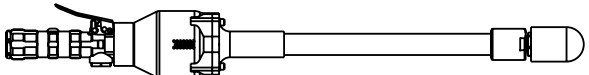


Overhang is the distance between the grinder chuck and the abrasive on the spindle. The larger the overhang, the lower the maximum safe operation speed.



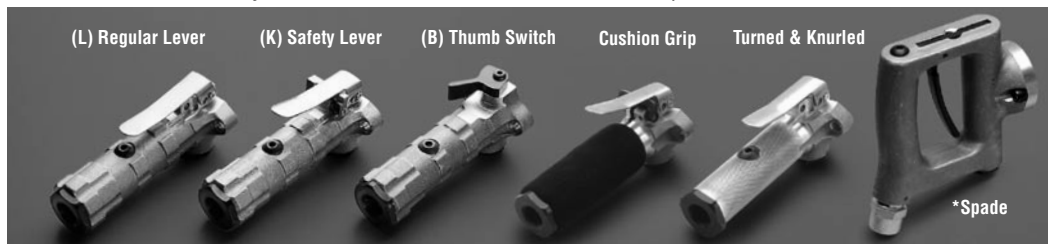
Extended Grinders

Section Contents

Page Number	Model Number	Power	Description	
60	400EH	1.2 H.P.	Small Diameter Neck for Space Conscious Applications	
61	400GEH		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.



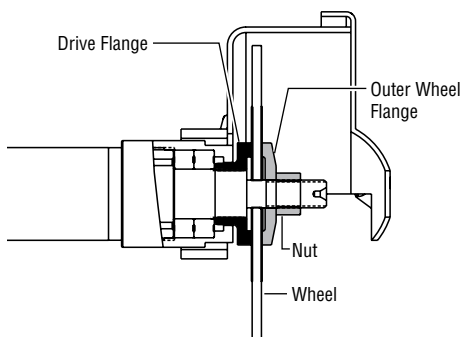
*Only tools of 1.5 H.P. or larger can accept the spade style handle. Tools of 1.2 H.P. and lower have different handle options.

Lever Style

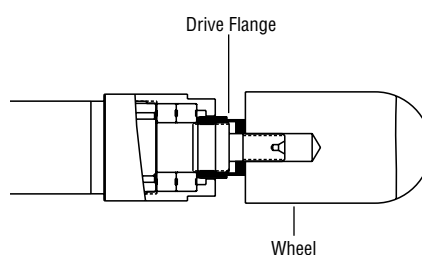


Mounting of Wheels

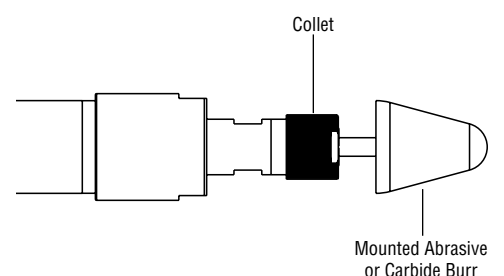
Proper Mounting of Smaller Type 1 Wheels



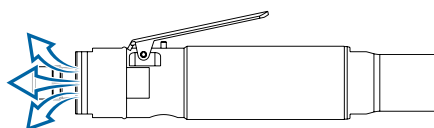
Proper Mounting of Cone Wheels



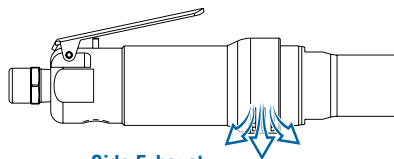
Proper Mounting of Inserted Tooling (Burrs/Mounted Stones)



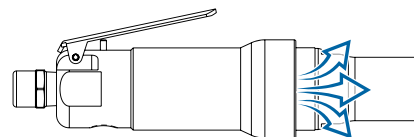
Exhaust Direction



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.

