

Horizontal Sanders/Polishers

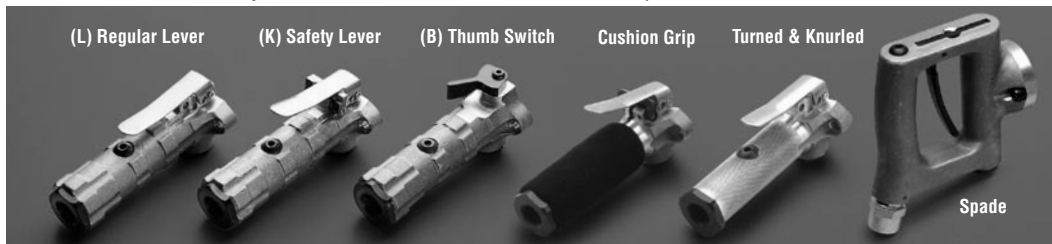
Section Contents

SANDERS (Single Planetary Gear Train)					
Page Number	Model Number	Power	Rated Operating Speed	Description	
43	400HGE3M	1.2 H.P.	5500 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Collet Output 	
	400HGE5M		4000 R.P.M.		
	400HGE8M		2500 R.P.M.		
44	400GT3M	1.2 H.P.	5500 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Threaded or Adapter Output 	
	400GT5M		4000 R.P.M.		
	400GT8M		2500 R.P.M.		
42	400GH3M	1.2 H.P.	5500 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Collet, Threaded or Adapter Output 	
	400GH5M		4000 R.P.M.		
	400GH8M		2500 R.P.M.		
45	500H1M	1.5 H.P.	4000 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Threaded or Adapter Output 	
	507H1M		1750 - 3600 R.P.M.		
		520H1M	2.0 H.P.	1500 - 3000 R.P.M.	<ul style="list-style-type: none"> • Governed Motor • Threaded or Adapter Output

BUFFERS & POLISHERS (Double Planetary Gear Train)					
Page Number	Model Number	Power	Rated Operating Speed	Description	
43	400HGE21M	1.2 H.P.	900 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Collet Output 	
	400HGE36M		525 R.P.M.		
44	400GT21M	1.2 H.P.	900 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Threaded or Adapter Output 	
	400GT36M		525 R.P.M.		
42	400GH21M	1.2 H.P.	900 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Collet, Threaded or Adapter Output 	
	400GH36M		525 R.P.M.		
45	500H2M	1.5 H.P.	1000 R.P.M.	<ul style="list-style-type: none"> • Non-Governed Motor • Threaded or Adapter Output 	
	507H2M		500 - 900 R.P.M.		
		520H2M	2.0 H.P.	375 - 750 R.P.M.	<ul style="list-style-type: none"> • Governed Motor • Threaded or Adapter Output

Handles

Several different handle styles are offered on our vertical 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



Speed Size Selection

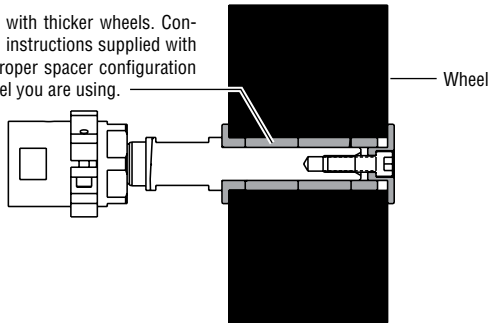
Each model offers various options listed in the Model Number Breakdown and in the chart with each product spread. The choices are based on the characteristics of each model. Please examine the speed size options to select the one that best matches the wheel size you are using.

Mounting of Wheels

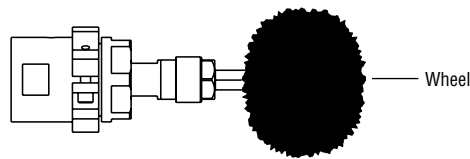
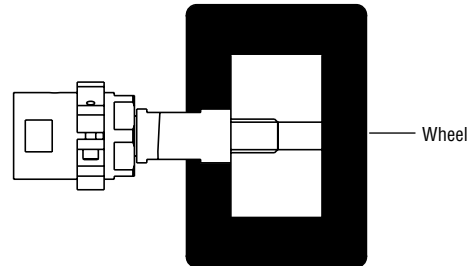
Each wheel type mounts onto the tool in a specific way. Please consult the diagrams below for details on how your particular wheel mounts onto the tool. More details on the mounting of wheels can be found in ANSI B186.1. Mounting wheels in ways other than those shown below are non-compliant and may lead to injury.

Proper Mounting of Flap and Surface Conditioning Wheels with a 1 Inch or 5/8 Inch Mounting Hole

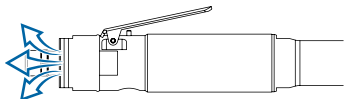
Spacers are used with thicker wheels. Consult the mounting instructions supplied with the tool for the proper spacer configuration based on the wheel you are using.



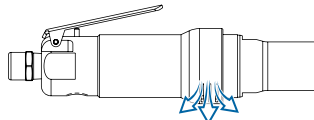
Proper Mounting of Inflatable and Expanding Wheels with a Threaded Mounting (1/2-13 or 5/8-11)



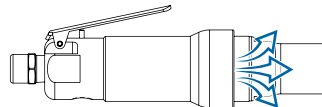
Exhaust Direction



Rear Exhaust
(0.7 HP & 1.2 HP Tools Only)



Side Exhaust



Front Exhaust

Horizontal Sanders & Polishers

525 R.P.M. to 5500 R.P.M.
1.2 H.P. (900 W)



Air Inlet Size: 3/8" NPT (3/8" BSP Available)
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

- Safety Lever
- Standard Equipment**
- Tool • Wheel Flange
- Wheel Nut • Wrench
- Operating Instructions and Service Manual

*The (X) is representative of gear train number (3, 5 or 8).
The outer appearance of the tool is the same regardless of the gear train number.

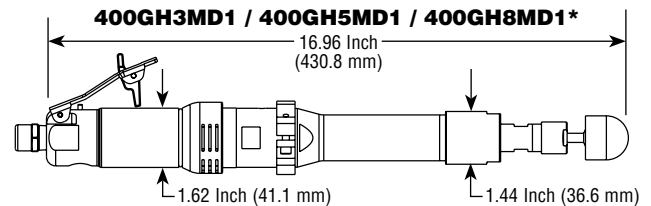
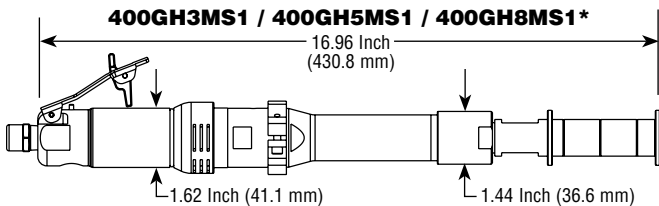
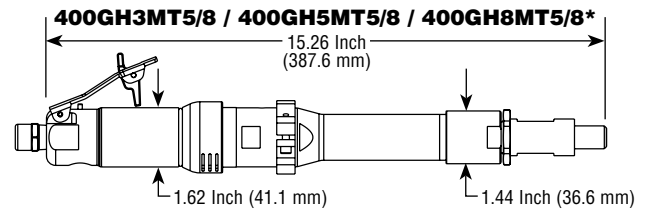


Quick Order Number

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	Rated Speed	Output Type		
		T5/8 - 5/8-11 Spindle	S1 - 1 or 5/8 Inch Adapter	D - Collet
400GH3M	5500 RPM	400GH3MT5/8	400GH3MS1	400GH3MD;1/4
400GH5M	4000 RPM	400GH5MT5/8	400GH5MS1	400GH5MD;1/4
400GH8M	2500 RPM	400GH8MT5/8	400GH8MS1	400GH8MD;1/4
400GH21M	900 RPM	400GH21MT5/8	400GH21MS1	400GH21MD;1/4
400GH36M	525 RPM	400GH36MT5/8	400GH36MS1	400GH36MD;1/4

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.



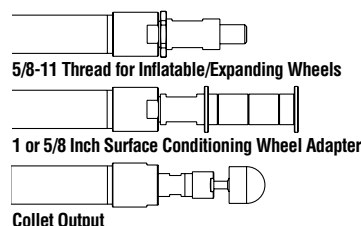
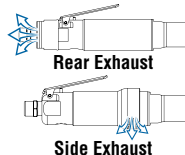
*Versions 400GH21M & 400GH36M add 0.51 Inch (13.0mm) to the overall length.
Rear exhaust adds 0.82 Inch (20.8mm) to overall length.

Example Model Number: **400GH3M K S R D ; 5500 ; 1/4**

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

Model Number	Lever Style	Case Material	Exhaust Direction	Output Type	Operating Speed	Collet Size*
400GH3M					5500 - 5500 R.P.M.	1/8 - 1/8 Inch
400GH5M	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	T5/8 : 5/8-11 Thread for Inflatable/Expanding Wheels	4000 - 4000 R.P.M.	1/4 - 1/4 Inch
400GH8M	No Designation - Standard Lever	No Designation - Aluminum Case	No Designation - Side Exhaust	S1 : 1 or 5/8 Inch Surface Conditioning Wheel Adapter	2500 - 2500 R.P.M.	3/8 - 3/8 Inch
400GH21M	K - Safety Lever	S - Steel Case	R - Rear Exhaust	D : Collet Output	900 - 900 R.P.M.	3MM - 3 mm
400GH36M					525 - 525 R.P.M.	6MM - 6 mm

Geared 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.

HORIZONTAL SANDERS/POLISHERS

525 R.P.M. to 5500 R.P.M.
1.2 H.P. (900 W)

Horizontal Sanders & Polishers



Air Inlet Size: 3/8" NPT (3/8" BSP Available)
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

- Safety Lever
- Standard Equipment**
- Tool • Wheel Flange
- Wheel Nut • Wrench
- Operating Instructions and Service Manual

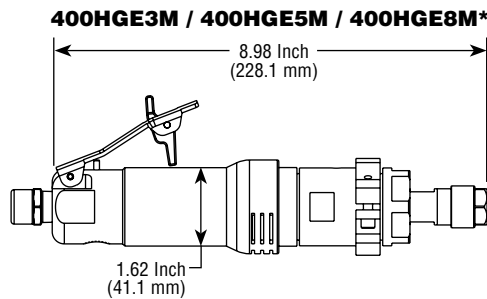
*The (X) is representative of gear train number (3, 5 or 8).
The outer appearance of the tool is the same regardless of the gear train number.

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	Collet Size	Rated Speed	Throttle Type	
			Standard Throttle	Safety Throttle
400HGE3M	1/4 Inch	5500 RPM	400HGE3M;1/4	400HGE3MK;1/4
400HGE5M		4000 RPM	400HGE5M;1/4	400HGE5MK;1/4
400HGE8M		2500 RPM	400HGE8M;1/4	400HGE8MK;1/4
400HGE21M		900 RPM	400HGE21M;1/4	400HGE21MK;1/4
400HGE36M		525 RPM	400HGE36M;1/4	400HGE36MK;1/4

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.



1.2 H.P. (900 W)



3.1 Lb. (1.4 Kg) Aluminum
3.7 Lb. (1.7 Kg) Steel



35 cfm (16.5 L/s) Max

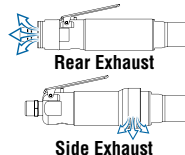
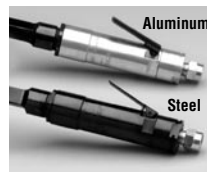
*Versions 400HGE21M & 400HGE36M add 0.51 Inch (13.0mm) to the overall length.
Rear exhaust adds 0.82 Inch (20.8mm) to overall length.

Example Model Number: **400HGE3M K S R ; 5500 ; 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
400HGE3M				5500 - 5500 R.P.M.	1/8 - 1/8 Inch
400HGE5M	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	4000 - 4000 R.P.M.	1/4 - 1/4 Inch
400HGE8M	No Designation - Standard Lever	No Designation - Aluminum Case	No Designation - Side Exhaust	2500 - 2500 R.P.M.	3/8 - 3/8 Inch
400HGE21M	K - Safety Lever	S - Steel Case	R - Rear Exhaust	900 - 900 R.P.M.	3MM - 3 mm
400HGE36M				525 - 525 R.P.M.	6MM - 6 mm
					8MM - 8 mm

⚙️ Geared Tool



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

Horizontal Sanders & Polishers

525 R.P.M. to 5500 R.P.M.
1.2 H.P. (900 W)



*The (X) is representative of gear train number (3, 5 or 8).
The outer appearance of the tool is the same regardless of the gear train number.

Air Inlet Size: 3/8" NPT (3/8" BSP Available)
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

- Safety Lever
- Standard Equipment**
- Tool • Wheel Flange
- Wheel Nut • Wrench
- Operating Instructions and Service Manual

Quick Order Number

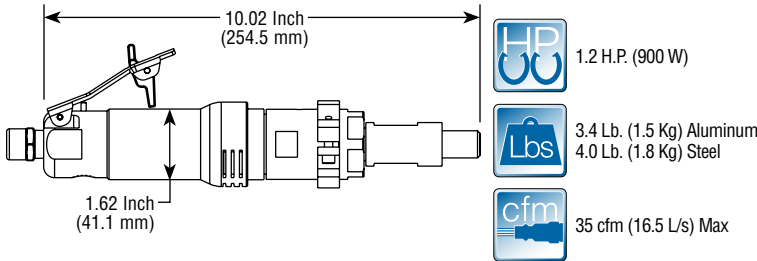
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Rated Speed	Output Type	
		T5/8 - 5/8-11 Spindle	S1 - 1 or 5/8 Inch Adapter
400GT3M	5500 RPM	400GT3MT5/8	400GT3MS1
400GT5M	4000 RPM	400GT5MT5/8	400GT5MS1
400GT8M	2500 RPM	400GT8MT5/8	400GT8MS1
400GT21M	900 RPM	400GT21MT5/8	400GT21MS1
400GT36M	525 RPM	400GT36MT5/8	400GT36MS1

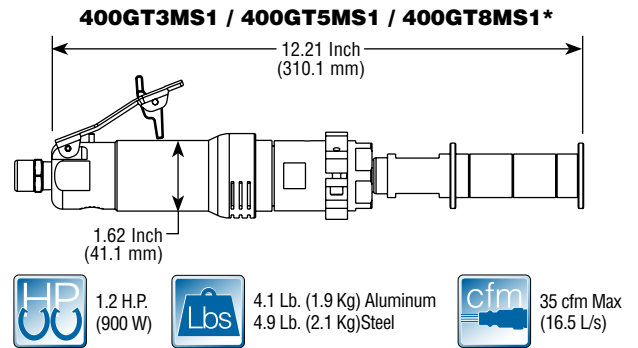
All the versions listed in the table will be supplied with a standard lever throttle (class 1).
A safety lever throttle (class 2) is also available.



400GT3MT5/8 / 400GT5MT5/8 / 400GT8MT5/8*



*Versions 400GT21M & 400GT36M add 0.51 Inch (13.0mm) to the overall length.
Rear exhaust adds 0.82 Inch (20.8mm) to overall length.

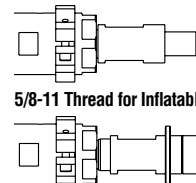
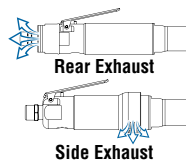


Example Model Number: **400GT3M K S R ; T5/8 ; 5500**

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

Model Number	Lever Style	Case Material	Exhaust Direction	Output Type	Operating Speed
400GT3M					5500 - 5500 R.P.M.
400GT5M	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	T5/8 - 5/8-11 Thread for Inflatable/Expanding Wheels	4000 - 4000 R.P.M.
400GT8M	No Designation - Standard Lever	No Designation - Aluminum Case	No Designation - Side Exhaust	S1 - 1 or 5/8 Inch Surface Conditioning Wheel Adapter	2500 - 2500 R.P.M.
400GT21M	K - Safety Lever	S - Steel Case	R - Rear Exhaust		900 - 900 R.P.M.
400GT36M					525 - 525 R.P.M.

Geared Tool



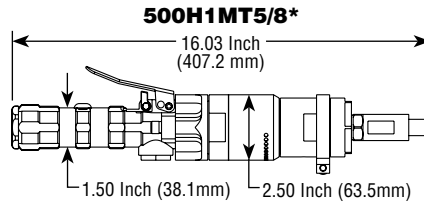
WARNING: Follow all recommendations from component and abrasive manufacturers for speeds and proper usage.

Horizontal Sanders & Polishers

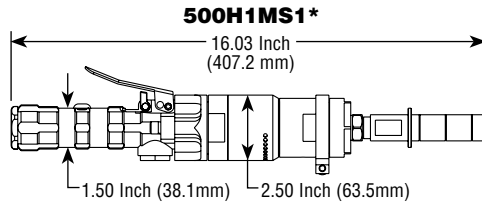


Air Inlet Size: 1/2" NPT (1/2" BSP Available)
Hose Size Recommendations: 1/2" (13 mm)
Extra Charge Accessories

- Safety Lever
- Standard Equipment**
- Tool • Wheel Flange • Wheel Nut • Wrench
- Operating Instructions and Service Manual
- Side Handle



HP 1.5 H.P. (1500 W)
Lbs 6.5 Lb. (2.9 Kg)
cfm 35 cfm Max (16.5 L/s)



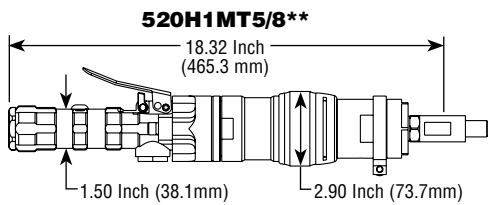
HP 1.5 H.P. (1500 W)
Lbs 6.5 Lb. (2.9 Kg)
cfm 35 cfm Max (16.5 L/s)

*The Spade Handle (G) Adds 1 Lb. (0.45 Kg) To Weight Of Tool

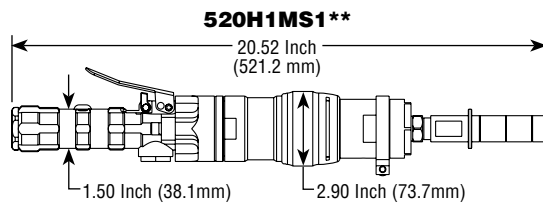
Quick Order Number

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	Rated Speed	Output Type	
		T5/8 - 5/8-11 Spindle	S1 - 1 or 5/8 Inch Adapter
500H1M	4000 RPM	500H1MT5/8	500H1MS1
500H2M	1000 RPM	500H2MT5/8	500H2MS1



HP 2.0 H.P. (2250 W) **Lbs** 8.5 Lb. (3.8 Kg) **cfm** 20 cfm (9.4 L/s) Free Speed 40 cfm (18.9 L/s) Max



HP 2.0 H.P. (2250 W) **Lbs** 8.5 Lb. (3.8 Kg) **cfm** 20 cfm (9.4 L/s) Free Speed 40 cfm (18.9 L/s) Max

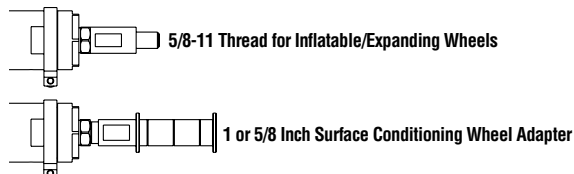
** The 520H2 double planetary geared tools adds 2.15 Inch (54.6mm) to overall length.
The Spade Handle (G) Adds 1 Lb. (0.45 Kg) To Weight Of Tool

Example Model Number: **500H1M K S1 ; 4000**

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

Model Number	Lever Style	Output Type	Operating Speed
500H1M	Please choose one of the following options: L - Standard Lever	Please choose one of the following options: T5/8 - 5/8-11 Thread for Inflatable/Expanding Wheels S1 - 1 or 5/8 Inch Surface Conditioning Wheel Adapter	4000 - 4000 R.P.M.
500H2M	K - Safety Lever		1000 - 1000 R.P.M.
507H1M	B - Thumb Switch		1750 - 3600 - 1750 - 3600 R.P.M.
507H2M	G - Spade Handle		500 - 900 - 500 - 900 R.P.M.
520H1M	LTK - Turned/Knurled Standard Lever		1500 - 3000 - 1500 - 3000 R.P.M.
520H2M	KTKW - Turned/Knurled/Cushioned Safety Lever		375 - 750 - 375 - 750 R.P.M.

- Geared Tool
- Governor Controlled Tool



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