
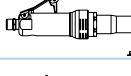



Right Angle Sanders, Buffers & Polishers

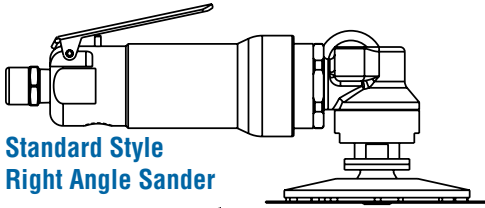
Section Contents

Tool Category	Page Number	Model Number	Power	Sanding Pad Size	Features		
Right Angle Sanders	30	250RA	0.4 H.P.	2 Inch or 3 Inch	Durable Head Design with Small Motor		
	31	250RAE			Durable Head Design & Extended Neck with Small Motor		
	33	270RA			Small Head & Extended Neck with Small Motor		
	32	280RA			Small Head with Small Motor (Lower Speed)		
		290RA	Small Head with Small Motor (Higher Speed)				
	30	300RA	0.7 H.P.		Durable Head Design with Small Motor		
	31	300RAE			Durable Head Design & Extended Neck with Small Motor		
	33	320RA			Small Head & Extended Neck with Small Motor		
	32	330RA		Small Head with Small Motor (Lower Speed)			
		340RA	Small Head with Small Motor (Higher Speed)				
	Right Angle Sanders	30	400RA	1.2 H.P.	4 Inch	Durable Head Design with Powerful Motor	
		31	400RAE			Durable Head Design & Extended Neck with Powerful Motor	
		30	407RA	4 Inch or 5 Inch	Durable Head Design with Powerful Governed Motor		
		31	407RAE		Durable Head Design & Extended Neck with Powerful Governed Motor		
		33	420RA	2 Inch or 3 Inch	Small Head & Extended Neck with Powerful Motor		
		36	520RA	2.0 H.P.	7 Inch or 9 Inch	Larger Right Angle Grinder for Larger Applications	
Right Angle Sanders	34	2601RA	0.4 H.P.	2 Inch	Very Small Head & Extended Neck with Small Motor		
		3101RA	0.7 H.P.		Very Small Head & Extended Neck with Powerful Motor		
	35	4101RA	1.2 H.P.	7 Inch or 9 Inch	Large Head with Powerful Motor (Lower Speed)		
		4520RA			Large Head with Powerful Governed Motor (Lower Speed)		
		4527RA			Large Head with Powerful Motor (Higher Speed)		
		4620RA			Large Head with Powerful Governed Motor (Higher Speed)		
	37	400RA(X)M	1.2 H.P.	Medium Polishing Wheels	Durable Head Design with Powerful Motor (Planetary Gears)		
	37	400RAE(X)M			Durable Head Design & Extended Neck with Powerful Motor (Planetary Gears)		
38	4520RA(X)M	Larger Polishing Wheels		Large Head with Powerful Motor (Lower Speed - Planetary Gears)			
	4620RA(X)M			Large Head with Powerful Motor (Higher Speed - Planetary Gears)			

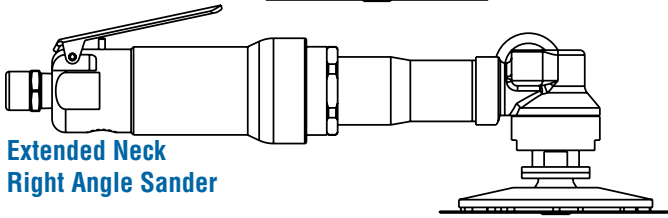
RIGHT ANGLE SANDERS, BUFFERS & POLISHERS

Extend Neck vs Standard

The extended neck option helps in regards to clearance issues when using various types of larger surface finishing abrasives. In these instances, the surface finishing abrasive can interfere with the area around the motor case normally used by the operator to grip the tool. The extended neck option moves the surface finishing abrasive forward which clears the area around the motor case for the operators hand.



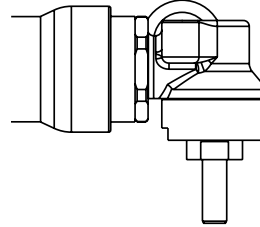
Standard Style Right Angle Sander



Extended Neck Right Angle Sander

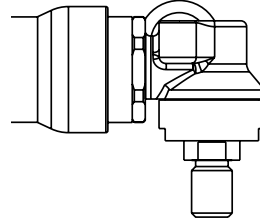
Spindle Options

3/8-24 X 0.980 Inch Spindle (Spindle Size 4)



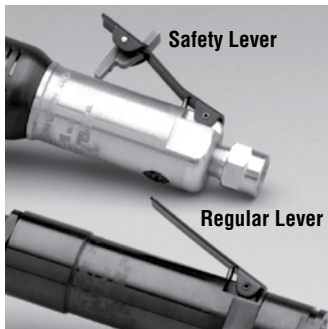
This spindle is the most versatile. Adapters are available which will allow nearly any wheel to mount on this spindle (See chart below.)

5/8-11 X 0.875 Inch Spindle (Spindle Size 2)



This spindle is commonly used with type 27 (depressed center) wheels with either a 7/8" mounting hole or built-in flanges with threads. Adapters are available. (See chart below.)

Lever Style



Safety Lever

Regular Lever

Case Material

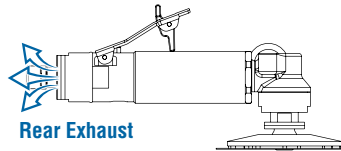


Aluminum Case Material

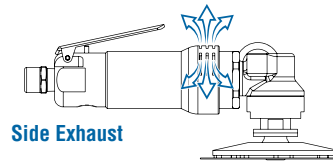
Steel Case Material

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 also more durable in aggressive environments.

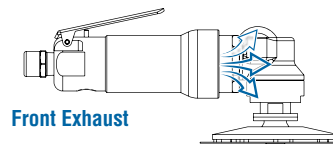
Exhaust Direction



Rear Exhaust



Side Exhaust

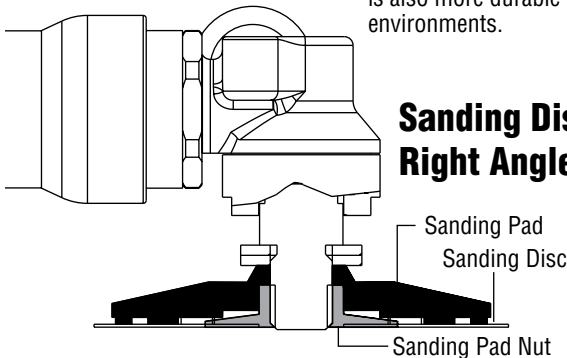


Front Exhaust

Speed/Sanding Pad Selection



The operating speed and sanding pad size are closely linked to promote safety and maximize efficiency of the sanding 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/sanding pad size options that best matches the application.



Sanding Disk Mounting for Right Angle Sanders



Spiralcool® Pads

Part Number	Threads	Size	Description	Maximum Speed
889271-A	3/8-24	4 Inch (100mm)	Sanding Pad	12000 R.P.M.
849848-A	3/8-24	5 Inch (125mm)	Sanding Pad	10000 R.P.M
889271	5/8-11	4 Inch (100mm)	Sanding Pad	12000 R.P.M
849848	5/8-11	5 Inch (125mm)	Sanding Pad	10000 R.P.M
849913	5/8-11	7 Inch (180mm)	Sanding Pad	8500 R.P.M
849914	5/8-11	9 Inch (230mm)	Sanding Pad	6500 R.P.M
849259-A	3/8-24		Sanding Pad Nut	
849259	5/8-11		Sanding Pad Nut	
102-SPWR			Pad Nut Wrench	

RIGHT ANGLE SANDERS, BUFFERS & POLISHERS

Right Angle Sanders for use with Abrasive Discs

1" (25 mm) - 5" (125 mm)
0.4 - 1.2 H.P. (300 - 900 W)



- Air Inlet Size:**
250RA/300RA: 1/4" NPT
400RA/407RA: 3/8" NPT
- Hose Size Recommendations:**
250RA/300RA: 3/8" (10 mm)
400RA/407RA: 1/2" (13 mm)
- Extra Charge Accessories**
- Type 27 Adapters • Safety Lever
- Standard Equipment**
- Tool • Operating Instructions and Service Manual
 - 2 Wrenches (sizes based on options)
- Special Features**
- Dual Position Dead Handle Mount

Quick Order Number

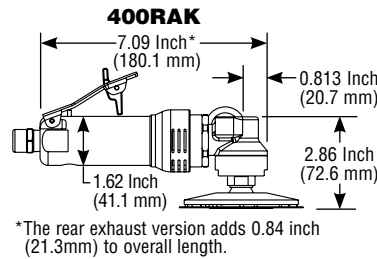
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Spindle Thread	Sanding Pad Size	Maximum Operating Speed	Throttle Type	
				Standard Throttle	Safety Throttle
250RA	1/4-20	Maximum 3" (Not Supplied)	20000 RPM	250RA6	250RA6K
300RA	External		15000 RPM	300RA6	300RA6K
400RA	5/8-11	4"	10000 RPM	400RA2;4SP	400RA2K;4SP
		5"		400RA2;5SP	400RA2K;5SP

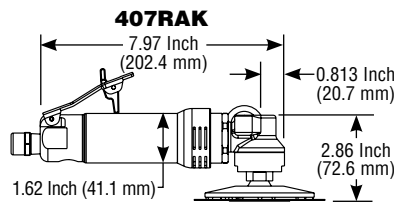
The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.



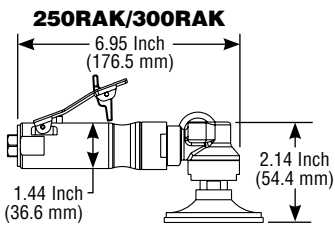
Front view of 250RA/300RA/400RA/407RA Series Tool



- HP** 1.2 H.P. (900 W)
- Lbs** 2.8 Lb. (1.3 Kg) Aluminum, 3.5 Lb. (1.6 Kg) Steel
- cfm** 20 cfm (9.4 L/s) Free Speed, 35 cfm (16.5 L/s) Max



- HP** 1.2 H.P. (900 W)
- Lbs** 2.8 Lb. (1.3 Kg) Aluminum, 3.5 Lb. (1.6 Kg) Steel
- cfm** 20 cfm (9.4 L/s) Free Speed, 35 cfm (16.5 L/s) Max



- HP** 250RA - 0.4 H.P. (300 W), 300RA - 0.7 H.P. (525 W)
- Lbs** Aluminum: 250RA - 2.4 Lbs. (1.1 Kg), 300RA - 2.5 Lbs. (1.1 Kg); Steel: 250RA - 2.9 Lbs. (1.3 Kg), 300RA - 3.0 Lbs. (1.4 Kg)
- cfm** 250RA - 18 cfm (8.5 L/s) Max, 300RA - 25 cfm (11.8 L/s) Max

Example Model Number: **400RA 4 K S R ; 10000;4SP**

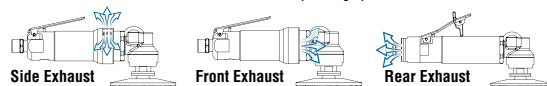
The blue highlighted entries are shown in the Quick Reference Box above.

Model Number	Spindle Options	Lever Style	Case Material	Exhaust Direction	Operating Speed/Sanding Pad Size
250RA	5 - 1/4-28 Internal	Please choose one of the following options: No Designation - Standard Lever K - Safety Lever	Please choose one of the following options: No Designation - Aluminum Case S - Steel Case	No Designation - Rear Exhaust	20000 - 20000 R.P.M.
300RA	6 - 1/4-20 External 7 - 1/2-28 Internal				15000 - 15000 R.P.M.
400RA	2 - 5/8-11 X 0.875 4 - 3/8-24 X 0.980			10000;4SP - 10000 R.P.M. with 4 Inch Sanding Pad 10000;5SP - 10000 R.P.M. with 5 Inch Sanding Pad	
407RA				No Designation - Side Exhaust	5000-9000;4SP - 5000-9000 R.P.M. with 4 Inch Sanding Pad** 5000-9000;5SP - 5000-9000 R.P.M. with 5 Inch Sanding Pad**

- ⚙️ Gearing Tool
- ⚙️ Governor Controlled Tool



**The range offered reflects the minimum to maximum operating speeds that this tool can be set. One must choose a speed within this range that best fits the application. Please examine the abrasive used with the tool for a maximum operating speed. The tool should be set at or below the maximum operating speed listed on the abrasive.



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

RIGHT ANGLE SANDERS, BUFFERS & POLISERS

Right Angle Sanders for use with Abrasive Discs

1" (25 mm) - 5" (125 mm)
0.4 H.P. - 1.2 H.P. (300 - 900 w)



Air Inlet Size:

250RAE/300RAE: 1/4" NPT
400RAE/407RAE: 3/8" NPT

Hose Size Recommendations:
250RAE/300RAE: 3/8" (10 mm)
400RAE/407RAE: 1/2" (13 mm)

Extra Charge Accessories

• Type 27 Adapters • Safety Lever

Standard Equipment

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

Special Features

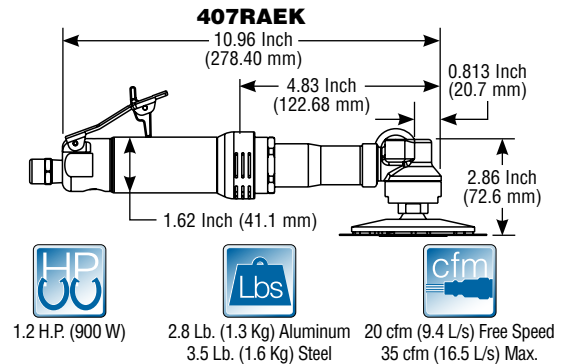
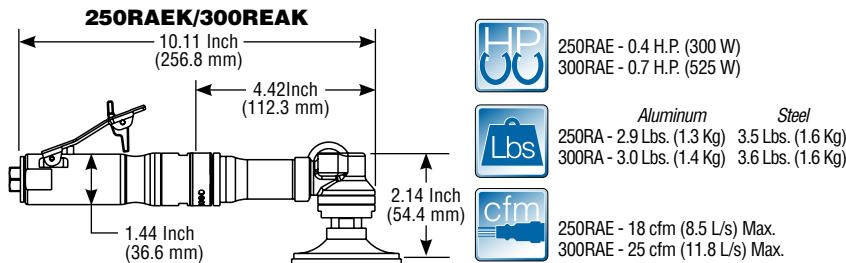
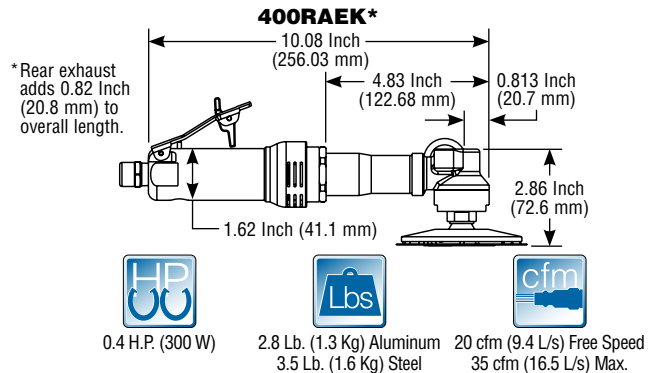
• Dual Position Dead Handle Mount

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	Spindle Thread	Sanding Pad Size	Maximum Operating Speed	Throttle Type	
				Standard Throttle	Safety Throttle
250RAE	1/4-20 External	(Not Supplied)	20000 RPM	250RAE6	250RAE6K
300RAE			15000 RPM	300RAE6	300RAE6K
400RAE	5/8-11	4"	10000 RPM	400RAE2;4SP	400RAE2K;4SP
		5"		400RAE2;5SP	400RAE2K;5SP

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.



Example Model Number: **400RA 4 K S R ; 10000;4SP**

Model Number	Spindle Options	Lever Style	Case Material	Exhaust Direction	Operating Speed/Sanding Pad Size
250RAE	5 - 1/4-28 Internal	Please choose one of the following options: No Designation - 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.
300RAE	6 - 1/4-20 External				15000 - 15000 R.P.M.
400RAE	7 - 1/2-28 Internal				10000;4SP - 10000 R.P.M. with 4 Inch Sanding Pad 10000;5SP - 10000 R.P.M. with 5 Inch Sanding Pad
407RAE	2 - 5/8-11 X 0.88				5000-9000;4SP - 5000-9000 R.P.M. with 4 Inch Sanding Pad** 5000-9000;5SP - 5000-9000 R.P.M. with 5 Inch Sanding Pad**
407RAE	4 - 3/8-24 X 0.98				

⚙️ Geared Tool
⚙️ Governor Controlled Tool



**The range offered reflects the minimum to maximum operating speeds that this tool can be set. One must choose a speed within this range that best fits the application. Please examine the abrasive used with the tool for a maximum operating speed. The tool should be set at or below the maximum operating speed listed on the abrasive.

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

Right Angle Sanders for use with Abrasive Discs

2" (50 mm)
0.4 H.P. - 0.7 H.P. (300 - 525 W)



280RAK/290RAK/330RAK/340RAK

Air Inlet Size: 1/4" NPT
Hose Size Recommendations: 3/8" (10mm)
Extra Charge Accessories

- Safety Lever

Standard Equipment

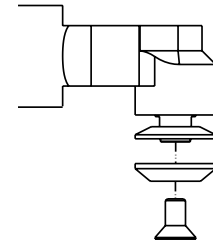
- Tool • Operating Instructions and Service Manual
- 2 Wrenches (sizes based on options)

Special Features

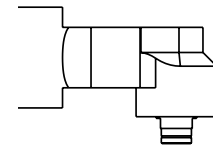
- Small Right Angle Head for Limited Space Sanding



Front view of
280RA/290RA/330RA/340RA
Series Tools



Internal Thread Output w/Flanges to
Mount 1/4" ID Surface Conditioning Discs



Internal Thread Output w/o Flanges to
Mount Cartridge Rolls

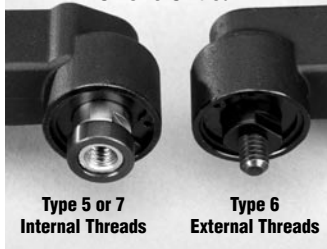
Quick Order Number

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.

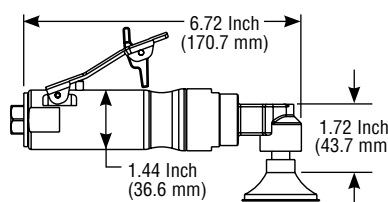
Model Number	Spindle Thread	Rated Speed	Throttle Type	
			Standard Lever	Safety Lever
280RA	1/4-20 External	16000 RPM	280RA6	280RA6K
290RA		26000 RPM	290RA6	290RA6K
330RA		12000 RPM	330RA6	330RA6K
340RA		20000 RPM	340RA6	340RA6K

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.

Very Small RA Head for Applications where Size is Critical



280RAK/290RAK/330RAK/340RAK



280RA/290RA - 0.4 H.P. (300 W)
330RA/340RA - 0.7 H.P. (525 W)



	<i>Aluminum</i>	<i>Steel</i>
280RA - 1.3 Lbs. (0.6 Kg)	1.8 Lbs. (0.8 Kg)	
290RA - 1.3 Lbs. (0.6 Kg)	1.8 Lbs. (0.8 Kg)	
330RA - 1.4 Lbs. (0.6 Kg)	2.0 Lbs. (0.9 Kg)	
340RA - 1.4 Lbs. (0.6 Kg)	2.0 Lbs. (0.9 Kg)	



280RA/290RA - 18 cfm (8.5 L/s) Max.
330RA/340RA - 25 cfm (11.8 L/s) Max.

Example Model Number: **330RA 6 K S ; 12000**

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

Model Number	Spindle Options	Lever Style	Case Material	Operating Speed
280RA				16000 - 16000 R.P.M.
290RA	5 - 1/4-28 Internal	Please choose one of the following options: No Designation - Standard Lever K - Safety Lever	Please choose one of the following options: No Designation - Aluminum Case S - Steel Case	26000 - 26000 R.P.M.
330RA	6 - 1/4-20 External			12000 - 12000 R.P.M.
340RA	7 - 1/2-28 Internal			20000 - 20000 R.P.M.
Geared Tool				



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

Right Angle Sanders for use with Abrasive Discs

2" (50 mm)
0.4 H.P. - 1.2 H.P. (300 - 900 W)



- Air Inlet Size:**
270RA/320RA: 1/4" NPT
420RA: 3/8" NPT
- Hose Size Recommendations:**
270RA/320RA: 3/8" (10mm)
420RA: 1/2" (13mm)
- Extra Charge Accessories**
- Safety Lever

- Standard Equipment**
- Tool with Wrench • Operating Instructions and Service Manual

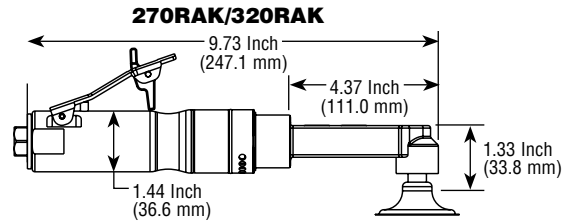
- Special Features**
- Small Right Angle Head for Limited Space Sanding

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.

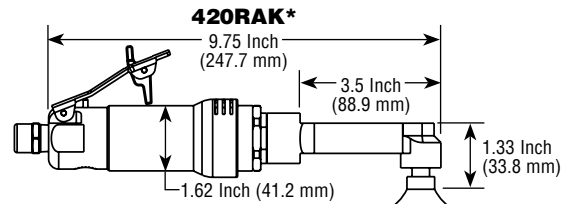
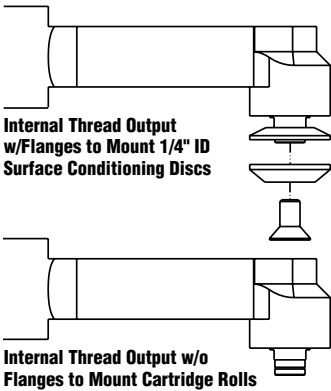
Model Number	Spindle Thread	Rated Speed	Throttle Type	
			Standard Lever	Safety Lever
270RA	1/4-20 External	26000 RPM	270RA6	270RA6K
320RA		20000 RPM	320RA6	320RA6K
420RA		13000 RPM	420RA6	420RA6K

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.



	270RA - 0.4 H.P. (300 W)		Aluminum	Steel
	320RA - 0.7 H.P. (525 W)		270RA - 2.0 Lbs. (0.9 Kg)	2.5 Lbs. (1.1 Kg)
			320RA - 2.1 Lbs. (1.0 Kg)	2.6 Lbs. (1.2 Kg)

	270RA - 18 cfm (8.5 L/s) Max
	320RA - 25 cfm (11.8 L/s) Max



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

	1.2 H.P. (900 W)		2.7 Lb. Aluminum		35 cfm (16.5 L/s) Max
			3.2 Lb. Steel		

RIGHT ANGLE SANDERS, BUFFERS & POLISHERS

Example Model Number: **320RA 6 K S R ; 20000**

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

Model Number	Spindle Options	Lever Style	Case Material	Exhaust Direction	Operating Speed
270RA	5 - 1/4-28 Internal	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	26000 - 26000 R.P.M.
320RA	6 - 1/4-20 External	No Designation - Standard Lever	No Designation - Aluminum Case	No Designation - Side Exhaust	20000 - 20000 R.P.M.
420RA	7 - 1/2-28 Internal	K - Safety Lever	S - Steel Case	R - Rear Exhaust	13000 - 13000 R.P.M.

Geared Tool



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

Right Angle Sanders for use with Abrasive Discs

1" (25 mm) - 2" (50 mm)
0.4 H.P. - 1.2 H.P. (300 - 900 W)



Air Inlet Size:
2601RA/3101RA: 1/4" NPT
4101RA: 3/8" NPT
Hose Size Recommendations:
2601/3101RA: 3/8" (10mm)
4101RA: 1/2" (13mm)
Extra Charge Accessories

- Safety Lever
- Standard Equipment**
- Tool with Wrench • Operating Instructions and Service Manual

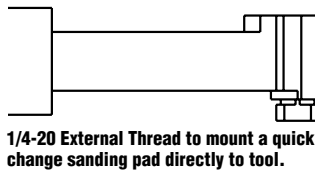
- Special Features**
- Small Right Angle Head for Limited Space Sanding
 - Extended Neck for Better Reach

Quick Order Number

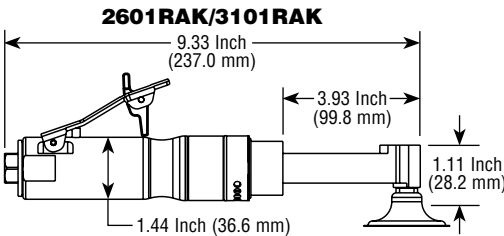
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Spindle Thread	Rated Speed	Throttle Type	
			Standard Lever	Safety Lever
2601RA	1/4-20 External	30000 RPM	2601RA6	2601RA6K
3101RA		23000 RPM	3101RA6	3101RA6K
4101RA		15000 RPM	4101RA6	4101RA6K

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.



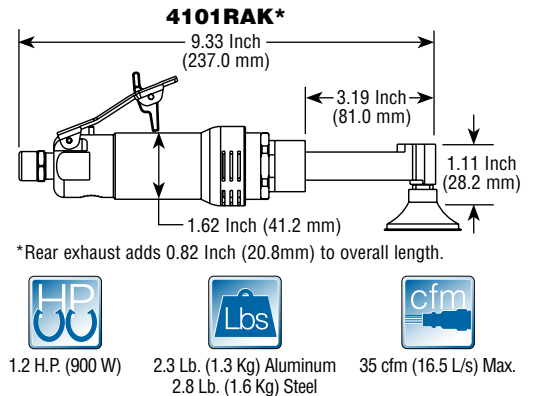
RIGHT ANGLE SANDERS, BUFFERS & POLISERS



HP 2601RA - 0.4 H.P. (300 W)
3101RA - 0.7 H.P. (525 W)

Lbs Aluminum 2601RA - 1.8 Lbs. (0.8 Kg) Steel 2601RA - 2.3 Lbs. (1.0 Kg)
3101RA - 1.9 Lbs. (0.9 Kg) 3101RA - 2.4 Lbs. (1.1 Kg)

cfm 2601RA - 18 cfm (8.5 L/s) Max.
3101RA - 25 cfm (11.8 L/s) Max.

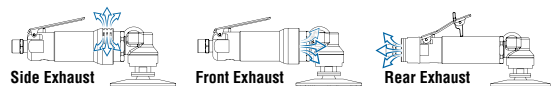


Example Model Number: **4101RA 6 K S R ; 15000**

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

Model Number	Spindle Options	Lever Style	Case Material	Exhaust Direction	Operating Speed/Sanding Pad Size
2601RA	5 - 1/4-28 Internal	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	30000 - 30000 R.P.M.
3101RA	6 - 1/4-20 External	No Designation - Standard Lever	No Designation - Aluminum Case	No Designation - Side Exhaust	23000 - 23000 R.P.M.
4101RA	7 - 1/2-28 Internal	K - Safety Lever	S - Steel Case	R - Rear Exhaust	15000 - 15000 R.P.M.

⚙️ Geared Tool



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

5" (125 mm) - 9" (230 mm)
1.2 H.P. (900 W)

Right Angle Sanders for use with Abrasive Discs

Powerful 1.2 H.P. Motor w/ Large, Durable RA Head



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

- Safety Lever
- Standard Equipment**
- Tool • Operating Instructions and Service Manual
- 1 Wrench and 1 Pad Nut Wrench
- SPECIAL FEATURES**
- 1.2 H.P. Motor
- Dual Position Dead Handle Mount

Quick Order Number

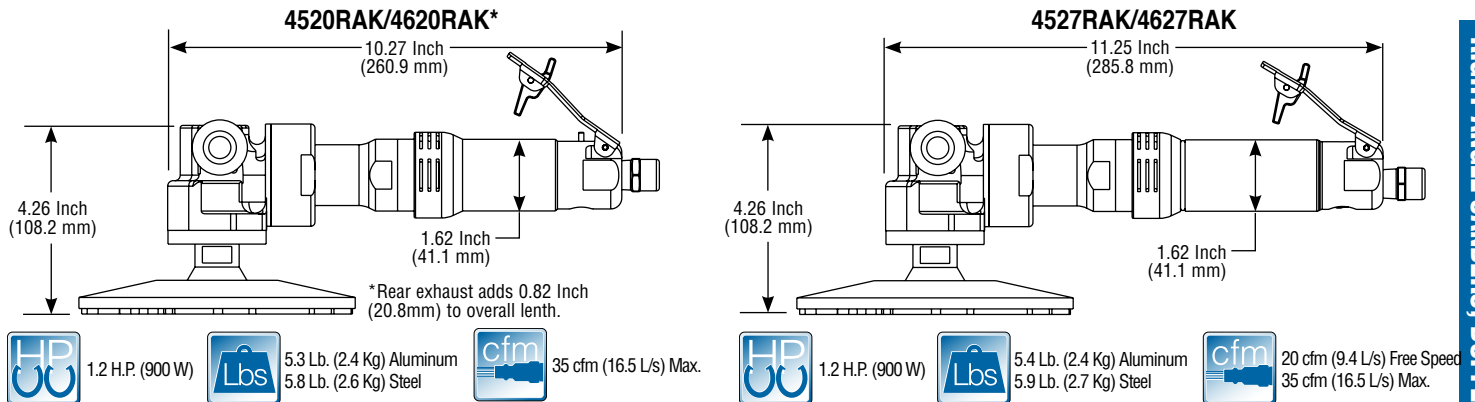
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Spindle Thread	Sanding Pad Size	Maximum Operating Speed	Throttle Type	
				Standard Throttle	Safety Throttle
4520RA	5/8-11	7 Inch	6000 RPM	4520RA;7SP	4520RAK;7SP
4620RA		5 Inch	10000 RPM	4620RA;5SP	4620RAK;5SP

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.



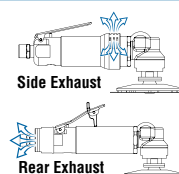
Front view of 4520RA/4527/4620RA/4627RA Series Tools



Example Model Number: **4101RA 2 K S R ; 15000**

Model Number	Spindle Options	Lever Style	Case Material	Exhaust Direction	Operating Speed/Sanding Pad Size
4520RA				Please choose one of the following options: No Designation - Side Exhaust R - Rear Exhaust	6000 - 7SP - 6000 R.P.M.with 7 Inch Sanding Pad 6000 - 9SP - 6000 R.P.M.with 9 Inch Sanding Pad
4527RA	2 - 5/8-11 X 0.875	Please choose one of the following options: No Designation - Standard Lever K - Safety Lever	Please choose one of the following options: No Designation - Aluminum Case S - Steel Case	No Designation - Side Exhaust	6000-5000 - 7SP - 3000-5000 R.P.M.with 7 Inch Sanding Pad** 6000-5000 - 9SP - 3000-5000 R.P.M.with 9 Inch Sanding Pad**
4620RA				No Designation - Side Exhaust R - Rear Exhaust	12000 - 5SP - 12000 R.P.M.with 5 Inch Sanding Pad
4627RA				No Designation - Side Exhaust	9000-11000 - 5SP - 9000-11000 R.P.M.with 5 Inch Sanding Pad**

- ⚙️ Geared Tool
- ⚙️ Governor Controlled Tool



**The range offered reflects the minimum to maximum operating speeds that this tool can be set. One must choose a speed within this range that best fits the application. Please examine the abrasive used with the tool for a maximum operating speed. The tool should be set at or below the maximum operating speed listed on the abrasive.

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

Right Angle Sanders for use with Abrasive Discs

7" (180 mm) - 9" (230 mm)
2 H.P. (1500 W)



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

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

Quick Reference

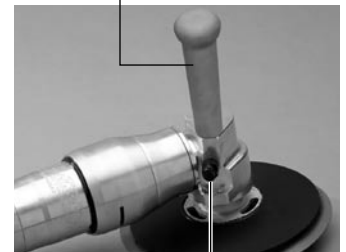
Quick Order Number

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.

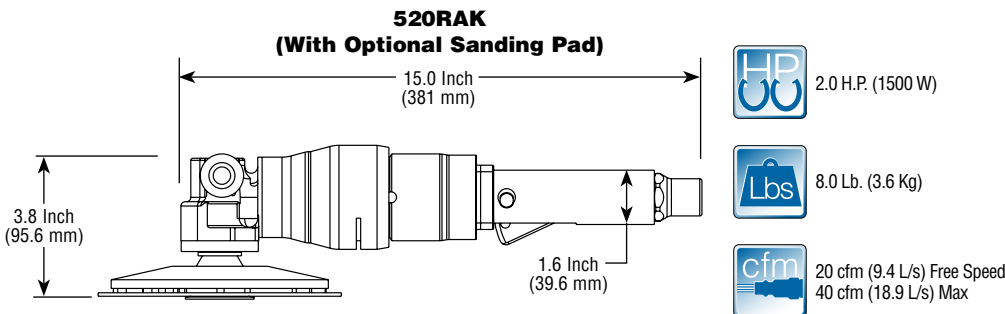
Model Number	Spindle Thread	Sanding Pad Size	Maximum Operating Speed	Throttle Type	
				Standard Throttle	Safety Throttle
520RA	5/8-11 X 0.9 Inch	7 Inch	8000 RPM	520RAXL;7SP	520RAXK;7SP

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.

Back Mountable Dead Handle



Spindle Lock



Example Model Number: **520RA 2 XLTKW ; 8000;7SP**

Model Number	Spindle Options	Lever Style	Operating Speed/Sanding Pad Size
520RA	1 - 5/8-11 0.9 Inch 2 - 5/8-11 1.1 Inch	Please choose one of the following options: K - Safety Lever XL - Standard Lever XK - Safety Lever XB - Thumb Switch XLTK - Turned/Knurled Standard Lever XKTK - Turned/Knurled Safety Lever XBTK - Turned/Knurled Thumb Switch XLTKW - Turned/Knurled/Cushioned Standard Lever XKTKW - Turned/Knurled/Cushioned Safety Lever XBTKW - Turned/Knurled/Cushioned Thumb Switch	6000;7SP - 6000 R.P.M. with 7 Inch Sanding Pad 6000;9SP - 6000 R.P.M. with 9 Inch Sanding Pad 8000;7SP - 8000 R.P.M. with 7 Inch Sanding Pad

Governor Controlled Tool Geared Tool

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

RIGHT ANGLE SANDERS, BUFFERS & POLISHERS

Low Speed Right Angle Sanders for use with Abrasive Discs

7" (180 mm)
1.2 H.P. (900 w)

**Powerful
1.2 H.P. Motor**

400RAE(X)ML*

400RA(X)ML*



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

Extra Charge Accessories

- Type 27 Adapters • Safety Lever

Standard Equipment

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

Special Features

- 1.2 H.P. Motor • Dual Position Dead Handle Mount

*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

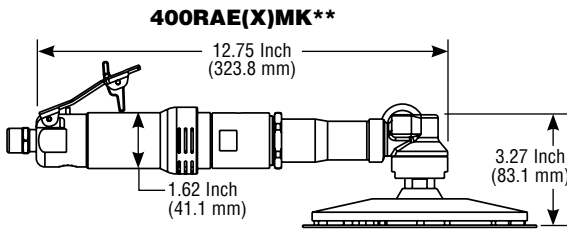
This chart has been provided as a means to quickly identify a particular tool. The ordering numbers listed represent the most common versions of our tools. If more specialized versions are required, please build your model number per the following model number flow chart.

Model Number	Spindle Thread	Sanding Pad Size	Maximum Operating Speed	Throttle Type	
				Standard Throttle	Safety Throttle
400RA3M	5/8-11	7 Inch	2700 RPM	400RA3M;7SP	400RA3MK;7SP
400RA5M			2000 RPM	400RA5M;7SP	400RA5MK;7SP
400RA8M			1200 RPM	400RA8M;7SP	400RA8MK;7SP
400RAE3M			2700 RPM	400RAE3M;7SP	400RAE3MK;7SP
400RAE5M			2000 RPM	400RAE5M;7SP	400RAE5MK;7SP
400RAE8M			1200 RPM	400RAE8M;7SP	400RAE8MK;7SP

The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.



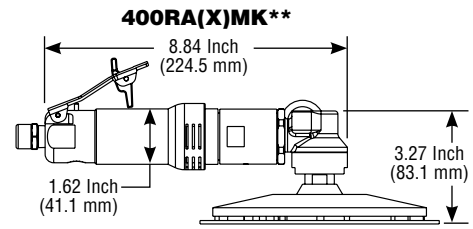
Front view of
400RA(X)M Series Tools



HP 1.2 H.P. (900 W)

Lbs Aluminum 4.7 Lb. (2.1 Kg)
Steel 5.3 Lb. (2.4 Kg)

cfm 35 cfm (16.5 L/s) Max



HP 1.2 H.P. (900W)

Lbs Aluminum 4.2 Lb. (1.9 Kg)
Steel 4.8 Lb. (2.2 Kg)

cfm 35 cfm Max (16.5 L/s)

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

Example Model Number: **400RA3M K S R ; 3500-7SP**

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

Model Number	Lever Style	Case Material	Exhaust Direction	Operating Speed
400RA3M	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	2700 - 7SP - 2700 R.P.M. with 7 Inch Sanding Pad
400RA5M				2000 - 7SP - 2000 R.P.M. with 7 Inch Sanding Pad
400RA8M				1200 - 7SP - 1200 R.P.M. with 7 Inch Sanding Pad
400RAE3M	No Designation - Standard Lever K - Safety Lever	No Designation - Aluminum Case S - Steel Case	No Designation - Side Exhaust R - Rear Exhaust	2700 - 7SP - 2700 R.P.M. with 7 Inch Sanding Pad
400RAE5M				2000 - 7SP - 2000 R.P.M. with 7 Inch Sanding Pad
400RAE8M				1200 - 7SP - 1200 R.P.M. with 7 Inch Sanding Pad

Geared Tool



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

Low Speed Right Angle Sanders for use with Abrasive Discs

7" (180 mm)
1.2 H.P. (900 w)



**Powerful
1.2 H.P. Motor**

4520RA(X)MRK/4620RA(X)MRK*

4520RA(X)M/4620RA(X)M*

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

- Type 27 Adapters • Safety Lever

Standard Equipment

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

Special Features

- Front, Side or Rear Exhaust Available
- 1.2 H.P. Motor • Dual Position Dead Handle Mount

*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	Spindle Thread	Sanding Pad Size	Maximum Operating Speed	Throttle Type	
				Standard Throttle	Safety Throttle
4520RA3M	5/8-11	7 Inch	2000 RPM	4520RA3M;7SP	4520RA3MK;7SP
4520RA5M			1200 RPM	4520RA5M;7SP	4520RA5MK;7SP
4520RA8M			750 RPM	4520RA8M;7SP	4520RA8MK;7SP
4620RA3M			4000 RPM	4620RA3M;7SP	4620RA3MK;7SP
4620RA5M			2400 RPM	4620RA5M;7SP	4620RA5MK;7SP
4620RA8M			1500 RPM	4620RA8M;7SP	4620RA8MK;7SP



Front view of
4520RA(X)M/4620RA(X)M Series Tools

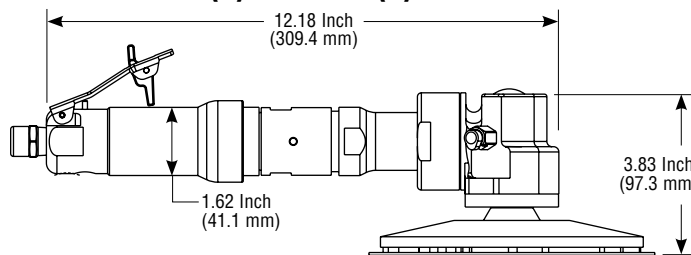
The tools listed in this chart will be provided with an aluminum housing. Steel housing material is available. See information below for the entire spectrum of options available.

4520RA(X)MK/4620RA(X)MK**

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

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.



1.2 H.P. (900 W)



	Aluminum	Steel
4520RA(X)MK	6.1 Lbs. (2.8 Kg)	6.7 Lbs. (3.0 Kg)
4620RA(X)MK	6.2 Lbs. (2.8 Kg)	6.8 Lbs. (3.1 Kg)



35 cfm (16.5 L/s) Max

Example Model Number: **4520RA3M K S R ; 2000;7SP**

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

Model Number	Lever Style	Case Material	Exhaust Direction	Operating Speed
4520RA3M				2000;7SP - 2000 R.P.M.with 7 Inch Sanding Pad
4520RA5M	Please choose one of the following options:	Please choose one of the following options:	Please choose one of the following options:	1200;7SP - 1200 R.P.M.with 7 Inch Sanding Pad
4520RA8M				750;7SP - 750 R.P.M.with 7 Inch Sanding Pad
4620RA3M	No Designation - Standard Lever	No Designation - Aluminum Case	No Designation - Side Exhaust	4000;7SP - 4000 R.P.M.with 7 Inch Sanding Pad
4620RA5M	K - Safety Lever	S - Steel Case	R - Rear Exhaust	2400;7SP - 2400 R.P.M.with 7 Inch Sanding Pad
4620RA8M				1500;7SP - 1500 R.P.M.with 7 Inch Sanding Pad

⚙️ Geared Tool



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

RIGHT ANGLE SANDERS, BUFFERS & POLISHERS