

ABRASIVE



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ABRASIVE

Make Easy Work Out Of A Daily Grind

As manufacturing materials advance, so do the requirements for the tools to work on them. This means new speeds and attachments to handle the demands of increased precision and waste reduction.

The right tool for the job

When selecting a grinder and accessories for your application, be sure to choose one with enough horsepower to drive the abrasive wheel you are using. This will allow the grinder's speed to work for you. When the operator bears down on an under-powered tool, it slows the rpm output and reduces overall efficiency.



Industrial Grinders

Sioux has a great selection of inline and right angle grinders with collet sizes from 1/4" to 1/2" & 3 mm – 8 mm for a variety of applications. Speeds range up to 25,000 rpm to get the job done quickly and efficiently. Some models offer a choice of throttle control that is most convenient and comfortable for the operator. We also have extended models that fit into tight, hard to reach places.

Abrasive Grinders Principles of Operation

When wheels, pads or other accessories are attached to the spindle, the tool can be used to remove metal or composites in a variety of ways.

Abrasive Safety

Grinders can cause flying particles. Proper eye protection must be worn at all times by tools user and bystanders.

Under improper use and wear, Air grinders can cause serious injury and death. The following instructions are important and should be followed explicitly but cannot cover all contingencies. Good judgment is always required.

Using a grinder without a guard can cause injury. The grinder is to be operated with an appropriate guard at all times when a grinding wheel is used. Replace a damaged guard. The guard is to be the proper one for the wheel being used.

Damaged grinding wheels can explode. Check the wheel for damage before mounting, such as chips and cracks. Handle wheels carefully to avoid dropping or bumping. Protect wheels from extremes of temperature and humidity. Check wheels immediately after any unusual occurrence that may damage wheels.



Over speeding wheels can explode. Check the speed rating of the accessory or the speed printed on the wheel. This speed must be greater than the name plate speed of the grinder/sander and the actual speed of the grinder/sander as measured with a tachometer.

Unsecured work can move violently when grinding. Secure work; use clamps or vise to hold work.

Grinders may coast for a short time after the trigger is released. Be sure tool has come to a complete stop before setting it aside.

Grinding wheels that malfunction or spin off can cause injury. Be certain that all wheel, flanges, nuts and related equipment are in good shape, the proper ones for the type and size of wheel being used, and are securely fastened.

Exploding wheels can cause injury or death. If the normal sound of the grinder changes, or if it vibrates excessively, shut it off immediately, remove the wheel, and check speed with tachometer.

Unexpected starts can cause injury. Be sure actuator is off before hooking up air.

Breathing grinding dust can cause injury. Do not breathe grinding dust. Use approved mask.

Explosions and fire can cause injury. Only grind metals if the area is free of combustible or explosive materials or vapors.

Contact with rotating grinding wheels can cause injury. Keep hands and other body parts away from grinding wheels and sanding pads and disks to prevent cutting or pinching. Wear protective clothing and gloves to protect hands.

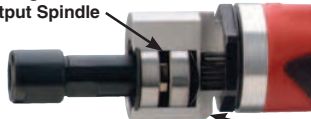
Tools starting unexpectedly can cause injury. Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on the tool.

Flying grinding wheels or accessories can cause injury. Tighten collet securely. Match wheel or accessory shaft diameter to chuck or collet.

Exploding or flying parts can cause injury. Do not use cut off wheels or router bits with die grinders.

SIoux TOOLS INDUSTRIAL CATALOG | ABRASIVE HIGH TORQUE DIE GRINDERS

Double Ball Bearing
Support On Output Spindle



Offset Gear Box For
Increased Torque



SDG10SHT08



SDG10SHT12

High Torque Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – High Torque										
SDG10SHT08	8000	2	0.90	9.5	240	85.1	35	16.5	1/4"	Rear
SDG10SHT08M6	8000	2	0.90	9.5	240	85.6	35	16.5	6 mm	Rear
SDG10SHT12	12,000	2	0.90	9.5	240	81.8	35	16.5	1/4"	Rear
SDG10SHT12M6	12,000	2	0.90	9.5	240	84	35	16.5	6 mm	Rear

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet & Wrenches

Accessories:

Grinder Accessories, see page 50

STRAIGHT DIE GRINDERS



RT1985

Performance:

Power: 1.5 hp (1.1 kW)
Speed: 20,000 rpm
Collet Size: 1/4" – 1/2" & 6 mm

Features:

Twist Throttle
Side Exhaust
Built-in Speed Control

Straight Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1.5 hp (1.1 kW) – Twist Throttle										
RT1985 ¹	20,000	4.3	2	7.6	193	84	38	18	1/4"	Side
1985-1/2	20,000	4.3	2	7.6	193	84	38	18	1/2"	Side
1985A	20,000	4.3	2	7.6	193	84	38	18	3/8"	Side

¹Not CE Certified

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet & Wrenches • Collet Guard (1DS series)

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

STRAIGHT DIE GRINDERS



SDG03S25



SDG05S23



SDG7S25F



SDG10S25F

Performance:

Power: 0.3 hp (0.2 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 25,000 rpm
Collet Size: 1/4" & 6 mm

Features:

Lockoff Lever
Front or Rear Exhaust
Built-in Speed Control

Straight Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
0.3 hp (0.22 kW) – Lever Throttle – 200 Series Collet										
SDG03S25	25,000	1	0.45	6.25	160	84.3	11	5.2	1/4"	Rear
SDG03S25M6	25,000	1	0.45	6.25	160	83.3	11	5.2	6 mm	Rear
0.3 hp (0.22 kW) – Lever Throttle – 300 Series Collet										
SDG03S25S	25,000	1	0.45	6.25	160	83.3	11	5.2	1/4"	Rear
SDG03S25M6S	25,000	1	0.45	6.25	160	83.3	11	5.2	6mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 200 Series Collet										
SDG05S18	18,000	1.2	0.54	7	180	82.4	23	10.9	1/4"	Rear
SDG05S18M6	18,000	1.2	0.54	7	180	87.4	23	10.9	6 mm	Rear
SDG05S23	23,000	1.2	0.54	7	180	87.7	23	10.9	1/4"	Rear
SDG05S23M6	23,000	1.2	0.54	7	180	85.1	23	10.9	6 mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 300 Series Collet										
SDG05S18S	18,000	1.2	0.54	7	180	87.4	23	10.9	1/4"	Rear
SDG05S18M6S	18,000	1.2	0.54	7	180	87.4	23	10.9	6mm	Rear
SDG05S23S	23,000	1.2	0.54	7	180	85.1	23	10.9	1/4"	Rear
SDG05S23M6S	23,000	1.2	0.54	7	180	85.1	23	10.9	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle – 200 Series Collet										
SDG7S18F	18,000	1.2	0.6	6	150	85	25	12	1/4"	Front
SDG7S18M6F	18,000	1.2	0.6	6	150	82	25	12	6 mm	Front
SDG7S25F	25,000	1.2	0.6	6	150	82.3	25	12	1/4"	Front
SDG7S25FS	25,000	1.2	0.6	6	150	82	25	12	1/4"	Front
SDG7S25M6F	25,000	1.2	0.6	6	150	82	25	12	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet										
SDG10S12F	12,000	1.7	0.8	7.5	190	85.1	30	14	1/4"	Front
SDG10S12M6F	12,000	1.7	0.8	7.5	190	78	30	14	6 mm	Front
SDG10S12R	12,000	1.7	0.8	7.5	190	84.4	30	14	1/4"	Rear
SDG10S12M6R	12,000	1.7	0.8	7.5	190	78	30	14	6 mm	Rear
SDG10S18F	18,000	1.7	0.8	7.5	190	81.5	30	14	1/4"	Front
SDG10S18M6F	18,000	1.7	0.8	7.5	190	78	30	14	6 mm	Front
SDG10S18R	18,000	1.7	0.8	7.5	190	81.1	30	14	1/4"	Rear
SDG10S18M6R	18,000	1.7	0.8	7.5	190	78	30	14	6 mm	Rear
SDG10S25F	25,000	1.7	0.8	7.5	190	86.8	30	14	1/4"	Front
SDG10S25M6F	25,000	1.7	0.8	7.5	190	78	30	14	6 mm	Front
SDG10S25R	25,000	1.7	0.8	7.5	190	83.2	30	14	1/4"	Rear
SDG10S25M6R	25,000	1.7	0.8	7.5	190	78	30	14	6 mm	Rear

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet & Wrenches • Collet Guard (1DS series)

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1



SDGS1S18



SDGS1S18G

Performance:

Power: 1 hp (0.75 kW)
Speed: 12,000 rpm – 25,000 rpm
Collet Size: 1/4" & 6 mm

Features:

Lockoff Lever
Front or Rear Exhaust
Built-in Speed Control

Straight Metal Body Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing										
SDGA1S12	12,000	1.5	0.7	6.9	175	90.9	30	14	1/4"	Front
SDGA1S12M6	12,000	1.5	0.7	6.9	175	91	30	14	6 mm	Front
SDGA1S18	18,000	1.5	0.7	6.9	175	87.4	30	14	1/4"	Front
SDGA1S18M6	18,000	1.5	0.7	6.9	175	87	30	14	6 mm	Front
SDGA1S25	25,000	1.5	0.7	6.9	175	86.2	30	14	1/4"	Front
SDGA1S25M6	25,000	1.5	0.7	6.9	175	86	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip										
SDGA1S12G	12,000	1.4	0.6	6.9	175	91.3	30	14	1/4"	Front
SDGA1S12M6G	12,000	1.4	0.6	6.9	175	91	30	14	6 mm	Front
SDGA1S18G	18,000	1.4	0.6	6.9	175	86.8	30	14	1/4"	Front
SDGA1S18M6G	18,000	1.4	0.6	6.9	175	86	30	14	6 mm	Front
SDGA1S25G	25,000	1.4	0.6	6.9	175	85.4	30	14	1/4"	Front
SDGA1S25M6G	25,000	1.4	0.6	6.9	175	85	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing										
SDGS1S12	12,000	2.2	1	6.9	175	90.4	30	14	1/4"	Front
SDGS1S12M6	12,000	2.2	1	6.9	175	90	30	14	6 mm	Front
SDGS1S18	18,000	2.2	1	6.9	175	85.8	30	14	1/4"	Front
SDGS1S18M6	18,000	2.2	1	6.9	175	85	30	14	6 mm	Front
SDGS1S25	25,000	2.2	1	6.9	175	85.1	30	14	1/4"	Front
SDGS1S25M6	25,000	2.2	1	6.9	175	85	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip										
SDGS1S12G	12,000	1.8	0.8	6.9	175	92.8	30	14	1/4"	Front
SDGS1S12M6G	12,000	1.8	0.8	6.9	175	92	30	14	6 mm	Front
SDGS1S18G	18,000	1.8	0.8	6.9	175	86.5	30	14	1/4"	Front
SDGS1S18M6G	18,000	1.8	0.8	6.9	175	86	30	14	6 mm	Front
SDGS1S25G	25,000	1.8	0.8	6.9	175	85.4	30	14	1/4"	Front
SDGS1S25M6G	25,000	1.8	0.8	6.9	175	82	30	14	6 mm	Front

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet & Wrenches

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

EXTENDED DIE GRINDERS



SXG05S23



STXG10S23

Performance:

Power: 0.5 hp (0.37 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 23,000 rpm
Collet Size: 1/4" (6 mm)

Features:

Heavy duty double tapered collet
Ergonomic comfort grip
Teasing throttle for maximum control
Lever throttle with lock-off
Ball bearing construction
Adjustable speed control

Extended Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
0.5 hp (0.37 kW) – Lever Throttle – Extended – 200 Series Collet										
SXG05S18	18,000	2.1	0.95	11	280	85.8	23	10.9	1/4"	Rear
SXG05S18M6	18,000	2.1	0.95	11	280	86.7	23	10.9	6 mm	Rear
SXG05S23	23,000	2.1	0.95	11	280	89.8	23	10.9	1/4"	Rear
SXG05S23M6	23,000	2.1	0.95	11	280	85.9	23	10.9	6 mm	Rear
0.5 hp (0.37 kW) – Extended Die Grinder Lever Throttle – 300 Series Collet										
SXG05S18S	18,000	2.1	0.95	11	280	86.7	23	10.9	1/4"	Rear
SXG05S18M6S	18,000	2.1	0.95	11	280	86.7	23	10.9	6mm	Rear
SXG05S23S	23,000	2.1	0.95	11	280	85.9	23	10.9	1/4"	Rear
SXG05S23M6S	23,000	2.1	0.95	11	280	85.9	23	10.9	6mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – 200 Series Collet										
STXG10S12	12,000	2.2	1	12.1	308	84.5	30	14	1/4"	Rear
STXG10S12M6	12,000	2.2	1	12.1	308	78	30	14	6 mm	Rear
STXG10S18	18,000	2.2	1	12.1	308	82	30	14	1/4"	Rear
STXG10S18M6	18,000	2.2	1	12.1	308	78	30	14	6 mm	Rear
STXG10S23	23,000	2.2	1	12.1	308	78	30	14	1/4"	Rear
STXG10S23M6	23,000	2.2	1	12.1	308	81.6	30	14	6 mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – Cone Wheel										
STXG10S18CW	18,000	2.2	1	12.2	310	82	30	14	N/A	Rear

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet & Wrenches • Collet Guard (1DS series)

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

RIGHT ANGLE DIE GRINDERS



SAG03S20



SAG03S12S



SAG05S23



SAG7S15



SAG10S18

Performance:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
 Speed: 12,000 rpm – 20,000 rpm
 Collet Size: 1/4" & 6 mm

Features:

Lockoff Lever
 Rear Exhaust
 Built-in Speed Control

Right Angle Die Grinders


Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
0.3 hp (0.22 kW) – Lever Throttle – 200 Series Collet										
SAG03S12	12,000	1.2	0.55	5.625	140	81.5	11	5.2	1/4"	Rear
SAG03S12M6	12,000	1.2	0.55	5.625	140	82.3	11	5.2	6 mm	Rear
SAG03S20	20,000	1.2	0.55	5.625	140	86.4	11	5.2	1/4"	Rear
SAG03S20M6	20,000	1.2	0.55	5.625	140	85.9	11	5.2	6 mm	Rear
0.3 hp (0.22 kW) – Lever Throttle – 300 Series Collet										
SAG03S12S	12,000	1.15	0.52	5.625	143	82.3	11	5.2	1/4"	Rear
SAG03S12M6S	12,000	1.15	0.52	5.625	143	82.3	11	5.2	6mm	Rear
SAG03S20S	20,000	1.15	0.52	5.625	143	85.9	11	5.2	1/4"	Rear
SAG03S20M6S	20,000	1.15	0.52	5.625	143	85.9	11	5.2	6mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 200 Series Collet										
SAG05S23	23,000	1.4	0.64	6.375	160	86	23	10.8	1/4"	Rear
SAG05S23M6	23,000	1.4	0.64	6.375	160	86	23	10.8	6 mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 300 Series Collet										
SAG05S23S	23,000	1.35	0.61	6.375	162	89.1	23	10.8	1/4"	Rear
SAG05S23M6S	23,000	1.35	0.61	6.375	162	86	23	10.8	6mm	Rear
0.70 hp (0.52 kW) – Lever Throttle – 200 Series Collet										
SAG7S12	12,000	2	0.90	6.500	165	84.3	25	12	1/4"	Front
SAG7S12M6	12,000	2	0.90	6.500	165	84.3	25	12	6mm	Front
SAG7S15	15,000	2	0.90	6.500	165	85.3	25	12	1/4"	Front
SAG7S15M6	15,000	2	0.90	6.500	165	85.3	25	12	6mm	Front
SAG7S18	18,000	2	0.90	6.500	165	85	25	12	1/4"	Front
SAG7S18M6	18,000	2	0.90	6.500	165	85	25	12	6mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet										
SAG10S12	12,000	2.7	1.2	9	230	87.4	30	14	1/4"	Rear
SAG10S12M6	12,000	2.7	1.2	9	230	78	30	14	6 mm	Rear
SAG10S15	15,000	2.7	1.2	9	230	84.2	30	14	1/4"	Rear
SAG10S15M6	15,000	2.7	1.2	9	230	78	30	14	6 mm	Rear
SAG10S18	18,000	2.7	1.2	9	230	83.2	30	14	1/4"	Rear
SAG10S18M6	18,000	2.7	1.2	9	230	78	30	14	6 mm	Rear

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet, Support Handle (1 HP only) & Wrenches

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

RIGHT ANGLE EXTENDED DIE GRINDERS

Performance:

Power: 0.7 hp (0.52 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 18,000 rpm
Collet Size: 1/4" & 6 mm

Features:

Heavy duty double tapered collet
Teasing throttle
Lock-off lever
Heavy Duty spiral bevel gearing for durability and smooth operation
Compact angle head allows access into tight spaces
Adjustable speed control
Grease zerk in gear case



Right Angle Extended Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet										
SAG10AX12	12,000	3.20	1.45	11.25	286	81.6	30	14.2	1/4"	Rear
SAG10AX12M6	12,000	3.20	1.45	11.25	286	79.5	30	14.2	6mm	Rear
SAG10AX15	15,000	3.20	1.45	11.25	286	81.6	30	14.2	1/4"	Rear
SAG10AX15M6	15,000	3.20	1.45	11.25	286	84	30	14.2	6mm	Rear
SAG10AX18	18,000	3.20	1.45	11.25	286	83.7	30	14.2	1/4"	Rear
SAG10AX18M6	18,000	3.20	1.45	11.25	286	80.5	30	14.2	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle										
SAG7AX13	13,000	2.9	1.3	10	254	85	25	12	1/4"	Front
SAG7AX13M6	13,000	2.9	1.3	10	254	85	25	12	6 mm	Front
SAG7AX16	16,000	2.9	1.3	10	254	89.8	25	12	1/4"	Front
SAG7AX16M6	16,000	2.9	1.3	10	254	89.8	25	12	6 mm	Front
SAG7AX20	20,000	2.9	1.3	10	254	89.8	25	12	1/4"	Front
SAG7AX20M6	20,000	2.9	1.3	10	254	89.8	25	12	6 mm	Front

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet, Support Handle (1 HP only) & Wrenches

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

SIOUX TOOLS INDUSTRIAL CATALOG | ABRASIVE RIGHT ANGLE EXTENDED DIE GRINDERS



SAGA1AX12G



SAGA1AX12

Performance:

Power: 1 hp (0.75 kW)
 Speed: 12,000 rpm – 18,000 rpm
 Collet Size: 1/4" & 6 mm

Features:

Lockoff Lever
 Robust Steel or Durable Aluminum Housing
 Available With Comfort Grip
 Head Height 2.28"

Right Angle Extended Metal Body Die Grinders



Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing										
SAGA1AX12	12,000	3.2	1.5	10.5	267	87.4	30	14.2	1/4"	Front
SAGA1AX12M6	12,000	3.2	1.5	10.5	267	87	30	14.2	6mm	Front
SAGA1AX15	15,000	3.2	1.5	10.5	267	87	30	14.2	1/4"	Front
SAGA1AX15M6	15,000	3.2	1.5	10.5	267	87	30	14.2	6mm	Front
SAGA1AX18	18,000	3.2	1.5	10.5	267	87	30	14.2	1/4"	Front
SAGA1AX18M6	18,000	3.2	1.5	10.5	267	87	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip										
SAGA1AX12G	12,000	2.9	1.3	10.5	267	87	30	14.2	1/4"	Front
SAGA1AX12M6G	12,000	2.9	1.3	10.5	267	87	30	14.2	6mm	Front
SAGA1AX15G	15,000	2.9	1.3	10.5	267	87	30	14.2	1/4"	Front
SAGA1AX15M6G	15,000	2.9	1.3	10.5	267	87	30	14.2	6mm	Front
SAGA1AX18G	18,000	2.9	1.3	10.5	267	87	30	14.2	1/4"	Front
SAGA1AX18M6G	18,000	2.9	1.3	10.5	267	87	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing										
SAGS1AX12	12,000	3.8	1.7	10.5	267	86.9	30	14.2	1/4"	Front
SAGS1AX12M6	12,000	3.8	1.7	10.5	267	87	30	14.2	6mm	Front
SAGS1AX15	15,000	3.8	1.7	10.5	267	87	30	14.2	1/4"	Front
SAGS1AX15M6	15,000	3.8	1.7	10.5	267	87	30	14.2	6mm	Front
SAGS1AX18	18,000	3.8	1.7	10.5	267	87	30	14.2	1/4"	Front
SAGS1AX18M6	18,000	3.8	1.7	10.5	267	87	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip										
SAGS1AX12G	12,000	3.4	1.5	10.5	267	87	30	14.2	1/4"	Front
SAGS1AX12M6G	12,000	3.4	1.5	10.5	267	87	30	14.2	6mm	Front
SAGS1AX15G	15,000	3.4	1.5	10.5	267	87	30	14.2	1/4"	Front
SAGS1AX15M6G	15,000	3.4	1.5	10.5	267	87	30	14.2	6mm	Front
SAGS1AX18G	18,000	3.4	1.5	10.5	267	87	30	14.2	1/4"	Front
SAGS1AX18M6G	18,000	3.4	1.5	10.5	267	87	30	14.2	6mm	Front

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Collet, Support Handle & Wrenches

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

RIGHT ANGLE TYPE 27 WHEEL GRINDERS

Performance:

Power: 0.7 hp (0.52 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 18,000 rpm
Wheel Capacity: 3" (75 mm) – 5" (127 mm)

Features:

Non-Governed
Lockoff Lever
Adjustable Guard



Right Angle Type 27 Extended Wheel Grinders



Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Free Speed		Spindle Thread	Exhaust
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lockoff Lever Throttle												
SWG10AX124	12,000	4	100	3.6	1.63	11.25	285	91	35	17	3/8" - 24	Rear
SWG10AXL124	12,000	4	100	3.5	1.59	11.25	285	83.7	35	17	3/8" - 24	Rear
SWG10AX1245	12,000	4.5	115	3.7	1.68	11.25	285	86	35	17	5/8" - 11	Rear
SWG10AX125	12,000	5	127	3.8	1.72	11.25	285	83.7	35	17	5/8" - 11	Rear
0.7 hp (0.52 kW) – Lever Throttle												
SWG7AX134	13,300	4	100	3.5	1.6	10	254	87.4	25	12	3/8" - 24	Front
SWG7AX1345	13,300	4.5	115	3.5	1.6	10	254	88	25	12	5/8" - 11	Front
SWG7AX203	20,000	3	75	3.5	1.6	10	254	TBD	25	12	3/8" - 24	Front

General:

1 HP models: Air Inlet Size: 3/8" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
0.7 HP models: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Support Handle • Mounting Flange & Nut

Accessories:

Grinder Accessories, see page 50



Performance:

Power: 1 hp (0.75 kW)
Speed: 12,000 rpm
Wheel Capacity: 4" (100 mm) – 4.5" (115 mm)

Features:

Non-Governed
Lockoff Lever
Adjustable Guard
Robust Steel or Durable Aluminum Housing
Available With Comfort Grip
Head Height 2.28"

Right Angle Type 27 Extended Wheel Grinders



Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Free Speed		Spindle Thread	Exhaust
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing												
SWGA1AX124	12,000	4	100	3.3	1.5	10.5	267	88	35	17	3/8" - 24	Front
SWGA1AX1245	12,000	4.5	115	3.4	1.5	10.5	267	88	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip												
SWGA1AX124G	12,000	4	100	3.2	1.5	10.5	267	86	35	17	3/8" - 24	Front
SWGA1AX1245G	12,000	4.5	115	3.3	1.5	10.5	267	86	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing												
SWGS1AX124	12,000	4	100	3.9	1.8	10.5	267	86	35	17	3/8" - 24	Front
SWGS1AX1245	12,000	4.5	115	4	1.8	10.5	267	86	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip												
SWGS1AX124G	12,000	4	100	3.7	1.7	10.5	267	87	35	17	3/8" - 24	Front
SWGS1AX1245G	12,000	4.5	115	3.8	1.7	10.5	267	87	35	17	5/8" - 11	Front

General:

1 HP models: Air Inlet Size: 3/8" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Support Handle • Mounting Flange & Nut

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

SIOUX TOOLS INDUSTRIAL CATALOG | ABRASIVE RIGHT ANGLE TYPE 27 WHEEL GRINDERS



SWG10A1245



1285L



SWG10S183



SWG10S1245

Performance:

Power: 1 hp (0.75 kW)
 Speed: 6000 rpm – 18,000 rpm
 Wheel Capacity: 3" (75 mm) – 7" (175 mm) diameter

Features:

Governed & Non-Governed
 Lockoff Lever Throttle
 Side Exhaust: 1285L
 Rear Exhaust: SWG Series

Right Angle Type 27 Wheel Grinders



Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
0.7 hp (0.52 kW)													
SWG7S183	18,000	3	7.5	2.1	0.95	6.4	163	TBD	N/A	N/A	25	12	3/8"-24
1 hp (0.75 kW) – Lockoff Lever Throttle													
SWG10S124	12,000	4	100	3	1.6	8.3	210	77	N/A	N/A	35	17	3/8"-24
SWG10S1245	12,000	4.5	115	3	1.6	8.3	210	77	N/A	N/A	35	17	5/8"-11
SWG10S125	12,000	5	127	3.1	1.6	8.3	210	TBD	N/A	N/A	35	17	5/8"-11
SWG10S183	18,000	3	75	2.5	1.1	7.5	190	77	N/A	N/A	35	17	3/8"-24
1 hp (0.75 kW) – Lockoff Lever Throttle													
SWG10A124	12,000	4	100	2.5	1.1	7.75	195	86.4	N/A	N/A	35	17	3/8" - 24
SWG10A1245	12,000	4.5	115	2.6	1.17	7.75	195	84.9	N/A	N/A	35	17	5/8"-11
SWG10A125	12,000	5	127	2.7	1.22	7.75	195	83.7	N/A	N/A	35	17	5/8" - 11
1 hp (0.75 kW) – Governed Speed – Lockoff Lever Throttle													
1285L ¹	6000	7	175	5.9	2.7	12.4	315	85	35	17	18	8	5/8"-11

¹Not CE Certified

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Support Handle • Mounting Flange & Nut

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

VERTICAL TYPE 27 WHEEL GRINDERS

Performance:

Power: 1 hp (0.75 kW) – 3 hp (2.2 kW)
Speed: 4500 rpm – 6000 rpm
Wheel Capacity: 7" (175 mm) – 9" (230 mm) diameter

Features:

Governed & Non-Governed
Lockoff Lever & Thumb Throttle
Side Exhaust



Vertical Type 27 Wheel Grinders

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
1 hp (0.75 kW) – Non-Governer Speed – Thumb Throttle													
1291L	6000	7	175	5	2.3	7.2	183	80	30	14	38	18	5/8"-11
1 hp (0.75 kW) – Non-Governer Speed – Thumb Throttle													
1291	6000	7	175	5	2.3	7.2	183	80	30	14	38	18	5/8"-11
2 hp (1.5 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG20AL-45D9	4500	9	230	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
VG20AL-60D7	6000	7	175	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
VG20AL-60D9	6000	9	230	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
3 hp (2.2 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG30AL-45D7	4500	7	175	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-45D9	4500	9	230	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-60D7	6000	7	175	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-60D9	6000	9	230	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11

General:

Air Inlet Size: 1/4" NPT (1290 series); 1/2" NPT (V series) • Recommended Hose Size: 3/8" (10 mm) (1290 series); 1/2" (13 mm) (V series)
Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Mounting Flange & Nut

Accessories:

Grinder Accessories, see page 50

VERTICAL TYPE 6 & 11 WHEEL GRINDERS

Performance:

Power: 2 hp (1.5 kW) – 3 hp (2.2 kW)
Speed: 6000 rpm
Wheel Capacity: 6" (150 mm)

Features:

Governed Speed
Lockoff Lever
Side Exhaust



Vertical Type 6 & 11 Wheel Grinders

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
2 hp (1.5 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG20AL-60C6	6000	6	150	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
3 hp (2.2 kW) – Class Vertical Grinders – Governed Speed – Lever Throttle													
VG30AL-60C6	6000	6	150	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11

General:

Air Inlet Size: 1/2" NPT • Recommended Hose Size: 1/2" (13 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Mounting Flange & Nut

Accessories:

Grinder Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

HORIZONTAL GRINDERS

Performance:

Power: 2 hp (1.5 kW) – 3 hp (2.2 kW)
 Speed: 4500 rpm – 8000 rpm
 Wheel Capacity: 3" (75 mm) – 8" (200 mm)

Features:

Governed Speed
 Lever Throttle
 Side Exhaust



HG30AL-60S6



HG20AL-80P3


Horizontal Wheel Grinders

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	dB(A)	cfm	l/s	cfm	l/s	
2 hp (1.5 kW) – Class Horizontal Grinders – Governed Speed – Lever Throttle													
HG20AL-45S8	4500	8	200	10.5	4.8	20.8	530	85	75	35	26	12	5/8"-11
HG20AL-60S6	6000	6	150	10.5	4.8	20.8	530	85	75	35	26	12	5/8"-11
HG20AL-80P3	8000	3	75	10.5	4.8	20.8	530	85	75	35	26	12	5/8"-11
3 hp (2.2 kW) – Class Horizontal Grinders – Governed Speed – Lever Throttle													
HG30AL-45S8	4500	8	200	12.5	5.6	21.8	550	84	90	42	39	18	5/8"-11
HG30AL-60S6	6000	6	150	12.5	5.6	21.8	550	84	90	42	39	18	5/8"-11
HG30AL-80P3	8000	3	75	12.5	5.6	21.8	550	84	90	42	39	18	5/8"-11

General:

Air Inlet Size: 1/2" NPT • Recommended Hose Size: 1/2" (13 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Wheel Guard • Mounting Flange & Nut

Accessories:

Grinder Accessories, see page 50

MATERIAL REMOVAL TOOL

Performance:

Power: 0.5 hp (0.37 kW)
 Speed: 35000 rpm

Features:

Removable Support Handle
 Lockoff Lever
 Planetary Gear for Increased Torque



SMR05S354


Material Removal Tool

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Exhaust
	rpm	lb	kg	in	mm	dB(A)	cfm	l/s	
SMR05S354	3500	2.4	1.08	12	304.8	85	28	132	Rear

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Fine Belt (68813) • Coarse Belt (68814) • Eraser (68815) • Support Handle

Accessories:

Material Removal Tool Accessories, see page 50



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

Belts and Erasers



Hub Set 68918



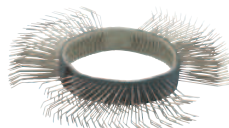
Eraser 68815



Course Wire Belt 68814



Fine Wire Belt 68813



Medium Stainless Steel Wire Belt 68917



Fine Stainless Steel Wire Belt 68915

Part Number	Description
68918	11mm Hub Set
68815	Rubber Eraser
68814	Course Wire Belt, 23 mm Wide
68910	Course Wire Belt, 11 mm Wide
68911	Medium Wire Belt, 23 mm Wide
68912	Medium Wire Belt, 11 mm Wide
68813	Fine Wire Belt, 23 mm Wide
68913	Fine Wire Belt, 11 mm Wide
68916	Medium Stainless Steel Wire Belt, 23 mm Wide
68917	Medium Stainless Steel Wire Belt, 11 mm Wide
68914	Fine Stainless Steel Wire Belt, 23 mm Wide
68915	Fine Stainless Steel Wire Belt, 11 mm Wide

Collets



21126



44440

Style	Capacity	Part Number	For Use On
Sioux	1/8"	44522	2S1940
	3/16"	44523	
	1/4"	44440	
	3 mm	66037	
	6 mm	66038	
100 Series	1/4"	21126B	1985
	3/8"	21125	
	1/2"	21124	

Wheel Guards

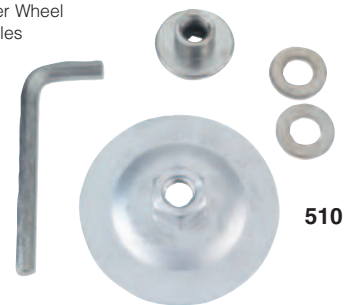


2336

Part Number	Wheel Type	Wheel Diameter		For Use On
		in	mm	
2321	27	7	180	1285, 1285L
2336	27	7	180	1291, 1921L

Mounting Accessories

7" and 9" Type 27 Depressed Center Wheel
For use on 5/8" - 11 threaded spindles



510

Part Number	Description
510	Flange Adapter Kit
	1 1/4" X 21/32" X 3/32" Washers
512	Flange Nut
	3/8" Hex Wrench

Signature Series Collets

200 SERIES

Heavy Duty Double Tapered Collet
Collet Nut Collet Collet Body



Part Number	Description
74071	Collet Nut
74072	Collet (1/8")
74073	Collet (3/16")
74074	Collet (1/4")
68030	Collet (3/8")
74075	Collet (3 mm)
74076	Collet (6 mm)
68056	Collet (8 mm)
77057	Collet Body SDG Series
77057TA	
74070	Collet Body (1 HP)

300 SERIES

Heavy Duty Double Tapered Collet
Collet Nut Collet Collet Body

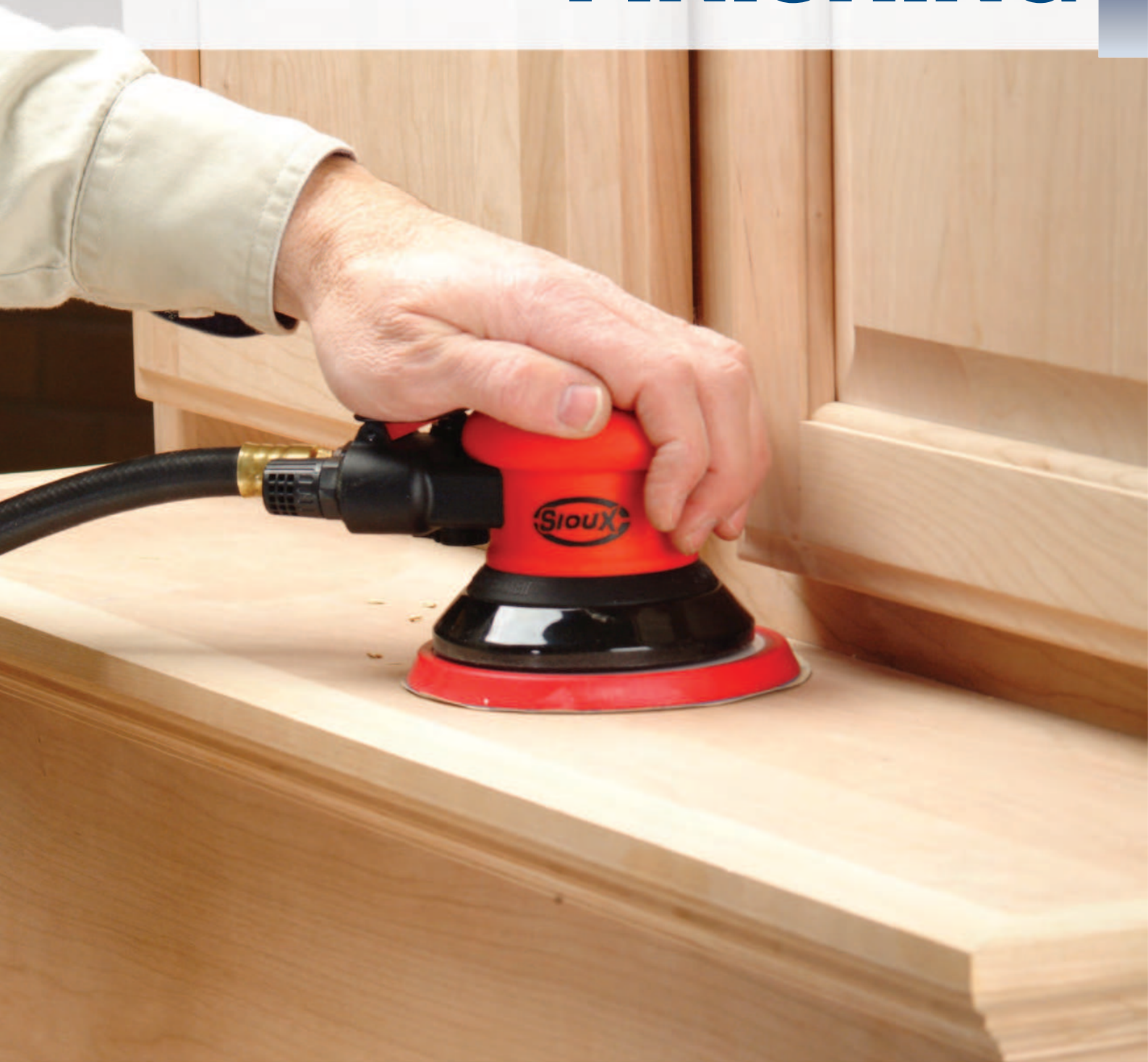


Part Number	Description
74128	Collet Nut
74124	Collet (3/32")
74121	Collet (1/8")
74120	Collet (1/4")
74122	Collet (3 mm)
74123	Collet (6 mm)
77505	Collet Body SAS Series
74125	Collet Body SDG Series



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

FINISHING



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FINISHING

The Best Way To A Great Finish

Today's manufacturing techniques are constantly changing and improving. This has increased the demands for sanders, polishers and buffers, making them a key segment of the process. Improvements in the industry now result in less waste on castings and molded parts, which shifts the emphasis from material removal to surface finishing. Sioux Tools offers a complete line of state-of-the-art orbital sanders, polishers and buffers that will produce the quality finish you require on your final product.

Sioux sanders are engineered to cover the full range of applications in metal, composite, and wood finishing. Our innovative, lightweight designs ensure they perform to the highest standards while still being comfortable to operate. Each delivers unsurpassed power and performance, resulting in the perfect finish.

Fit to your application

Different applications require different finishing tools. That's why Sioux Tools offers a variety of sanders and polishers with a wide range of configurations.

The RO2512 Series Random Orbital Sanders come with an orbit diameter of either 3/8" (10 mm), 3/16" (5 mm) or 3/32" (3 mm) and a choice of non-vacuum, self-contained Venturi vacuum or remote vacuum ready.

Variety to choose from

We also offer pistol grip, right angle, vertical, and straight sanders and polishers. Many of these come with your choice of throttle controls that allow the operator to work the way that's most comfortable.



Finishing Safety

Flying particles can cause eye injury. Proper eye protection must be worn at all times by tools user and bystanders.

A grinding wheel that bursts can cause injury or death. Never mount a grinding wheel or a cutoff wheel on a sander or polisher.

Breathing grinding dust can cause injury. Do not breathe grinding dust. Use approved mask.

Sanders and polishers that do not come to a complete stop before setting aside can cause injury. Be sure the tool has come to a complete stop before setting it aside.

Explosions and fires can cause injury. Only sand metal if the area is free of combustible or explosive materials or vapors.

Contact with sanding disks can cause injury. Wear protective clothing and gloves to protect hands. Keep hands and other body parts away from sanding pads and disks to prevent cutting or pinching.

Sanding or polishing pads, disks or accessories that burst can cause injury. Make sure disks or accessories have a higher speed rating than the tool. Do not exceed rated air pressure.

Prolonged exposure to vibration or an excessive exposed portion of the edge of a disk can cause injury. When using self adhesive sanding disks, make sure to mount them concentrically on the pad.

Tools starting unexpectedly can cause injury. Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on tool.

Tools that perform unpredictably can cause injury. Use only sanding and polishing pads, disks and accessories provided or specified by Sioux Tools.

FINISHING | SIOUX TOOLS INDUSTRIAL CATALOG

SIGNATURE SERIES RANDOM ORBITAL SANDERS



RO2512-50SNP



RO2512-50SRP



RO2512-50FVP

Performance:

Power: 0.25 hp (0.19 kW)
Speed: 12,000 rpm

Features:

3/32" (3 mm), 3/16" (5 mm) & 3/8" (10 mm) Orbit Diameters
Built-in Speed Control
Ergonomic 24-Position Indexable Grip
Non-Vacuum, Venturi Vacuum & Remote Vacuum

RO2512 Series Random Orbital Sanders



Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption		Sound Level
PSA Pad	H & L Pad	rpm	in	mm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Non-Vacuum													
RO2512-30FNP	RO2512-30FNH	12,000	3	75	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-30SNP	RO2512-30SNH	12,000	3	75	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-35FNP	RO2512-35FNH	12,000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-35SNP	RO2512-35SNH	12,000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50FNP	RO2512-50FNH	12,000	5	125	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-50SNP	RO2512-50SNH	12,000	5	125	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50CNP	RO2512-50CNH	12,000	5	125	3/8	10	1.5	0.7	3.3	83	13	6	81
RO2512-60FNP	RO2512-60FNH	12,000	6	150	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-60SNP	RO2512-60SNH	12,000	6	150	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-60CNP	RO2512-60CNH	12,000	6	150	3/8	10	1.5	0.7	3.3	83	13	6	81
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Remote Vacuum Ready													
RO2512-30FRP	RO2512-30FRH	12,000	3	75	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-30SRP	RO2512-30SRH	12,000	3	75	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-35FRP	RO2512-35FRH	12,000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-35SRP	RO2512-35SRH	12,000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50FRP	RO2512-50FRH	12,000	5	125	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-50SRP	RO2512-50SRH	12,000	5	125	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50CRP	RO2512-50CRH	12,000	5	125	3/8	10	1.5	0.7	3.3	83	13	6	81
RO2512-60FRP	RO2512-60FRH	12,000	6	150	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-60SRP	RO2512-60SRH	12,000	6	150	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-60CRP	RO2512-60CRH	12,000	6	150	3/8	10	1.5	0.7	3.3	83	13	6	81
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Self-contained Venturi Vacuum													
RO2512-30FVP	RO2512-30FVH	12,000	3	75	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-30SVP	RO2512-30SVH	12,000	3	75	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-35FVP	RO2512-35FVH	12,000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-35SVP	RO2512-35SVH	12,000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50FVP	RO2512-50FVH	12,000	5	125	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-50SVP	RO2512-50SVH	12,000	5	125	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-50CVP	RO2512-50CVH	12,000	5	125	3/8	10	1.5	0.7	3.3	83	13	6	81
RO2512-60FVP	RO2512-60FVH	12,000	6	150	3/32	3	1.5	0.7	3.3	83	13	6	81
RO2512-60SVP	RO2512-60SVH	12,000	6	150	3/16	5	1.5	0.7	3.3	83	13	6	81
RO2512-60CVP	RO2512-60CVH	12,000	6	150	3/8	10	1.5	0.7	3.3	83	13	6	81

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Comfort Grip • Backing Pad & Wrench

Accessories:

Sander Accessories, see pages 59 – 61



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

ORBITAL JITTERBUG SANDERS



RO2510-44FNC

Performance:

Power: 0.25 hp (0.19 kW)
Speed: 10,000 rpm

Features:

Built-in Speed Control
Ergonomic 24-Position Indexable Grip

Orbital Jitterbug Sanders

Model Number	Paper Size		Orbit Diameter		Weight		Height		Air Consumption Free Speed		Sound Level
	in	mm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.25 hp (0.19 kW)											
	3-3/4 x 4-1/4	95 x 105	3/32	3	1.8	0.8	3.5	90	13	6	81

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual

Accessories:

Sander Accessories, see pages 59 – 61

GEARED ORBITAL SANDERS



GO459-60SNP



GO459-80SRP

Performance:

Power: 0.45 hp (0.34 kW)
Speed: 900 rpm

Features:

3/16" (5 mm) Orbit Diameter
Built-in Speed Control
Lever Throttle
Vacuum & Remote Vacuum
Ergonomic 24-Position Indexable Grip

Geared Orbital Sanders

Model Number		Free Speed	Pad Size		Weight		Height		Air Consumption		Sound Level
PSA Pad	H & L Pad	rpm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.45 hp (0.34 kW) Non-Vacuum											
GO459-60SNP	GO459-60SNH	900	6	150	4.4	2	5	127	15	7	82
GO459-80SNP	GO459-80SNH	900	8	200	4.4	2	5	127	15	7	82
0.45 hp (0.34 kW) Remote Vacuum											
GO459-60SRP	GO459-60SRH	900	6	150	4.4	2	5	127	15	7	82
GO459-80SRP	GO459-80SRH	900	8	200	4.4	2	5	127	15	7	82

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual

Accessories:

Sander Accessories, see pages 59 – 61



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

FINISHING | SIOUX TOOLS INDUSTRIAL CATALOG

600 SERIES RANDOM ORBITAL SANDERS

Performance:

Power: 0.40 hp (0.30 kW)
Speed: 10,000 rpm

Features:

3/16" (5 mm) Orbit Diameter
Built-in Speed Control
Aluminum Housing
Palm & Lever Throttle



658

600 Series Random Orbital Sanders

Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption		Sound Level
PSA Pad	H & L Pad	rpm	in	mm	in	mm	lb	kg	in	mm	cfm	l/s	dB(A)
0.40 hp (0.30 kW) – Palm Throttle													
PS690 ¹		10,000	5	125	3/16	5	2.9	1.3	4.2	107	20	9	85
697 ¹		10,000	6	150	3/16	5	2.9	1.3	4.2	107	20	9	85
0.40 hp (0.30 kW) – Dual Action – Lever Throttle													
658 ¹		10,000	5	125	3/16	5	3.2	1.5	4.2	107	20	9	85

For remote vacuum ready add suffix V

¹Not CE Certified

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Backing Pad & Wrench

Accessories:

Sander Accessories, see pages 59 – 61

PISTOL GRIP SANDERS



SPS10P18



SDG10P18

Performance:

Power: 1 hp (0.75 kW)
Speed: 6000 rpm – 21,000 rpm

Features:

Trigger Start
Down-Handle Exhaust
Comfort Grip

Pistol Grip Sanders



Model Number	Free Speed	Weight		Height		Air Consumption		Sound Level
	rpm	lb	kg	in	mm	cfm	l/s	dB(A)
1 hp (0.75 kW) – 5" (125 mm) Diameter Backing Pad								
SPS10P6	6000	1.7	0.8	4.5	115	35	17	80
SPS10P18	18,000	1.7	0.8	4.5	115	35	17	80
1 hp (0.75 kW) – 1/4" Collet								
SDG10P18	18,000	1.7	0.8	5.8	145	35	17	86.2
SDG10P21	21,000	1.7	0.8	5.8	145	35	17	86.3

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Comfort Grip

Accessories:

Sander Accessories, see pages 59 – 61



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

RIGHT ANGLE SANDERS



SAS03S122-20



SAS05S232-20



SAS10A182-20



77016 Threaded Arbor



300 Series Collet

Performance:

Power: 0.33 hp (0.25 kW) –
1 hp (0.75 kW)
Speed: 12,000 rpm – 23,000 rpm

Features:

Lockoff Lever Throttle
Front, Rear, and Vacuum Exhaust
Comfort Grip

Right Angle Disc Sanders



Model Number	Free Speed	Weight		Length		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	lb	kg	in	mm	cfm	l/s	dB(A)	
0.3 hp (0.22 kW) – Lever Throttle									
SAS03S122-20	12,000	1.1	0.5	5.625	143	11	5.2	82.2	1/4"-20
SAS03S202-20	20,000	1.1	0.5	5.625	143	11	5.2	82.9	1/4"-20
0.5 hp (0.37 kW) – Lever Throttle									
SAS05S232-20	23,000	1.3	0.59	5.625	143	23	10.3	88.6	1/4"-20
1 hp (0.75 kW) – Lever Throttle									
SAS10A122-20	12,000	2.15	0.98	7.5	190	30	14	84.6	1/4"-20
SAS10A152-20	15,000	2.15	0.98	7.5	190	30	14	TBD	1/4"-20
SAS10A182-20	18,000	2.15	0.98	7.5	190	30	14	83.4	1/4"-20
SAS10A324	3200	TBD	TBD	TBD	TBD	35	17	TBD	3/8"-24

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Support Handle (1 hp Models) • Spindle Wrenches, 300 Series Collet, 1/4"-20 Threaded Arbor

Accessories:

Sander Accessories, see pages 59 – 61



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

RIGHT ANGLE SANDERS



SAS10S125



SAS10A125



SAS10AX125



1287L


Performance:

Power: 1 hp (0.75 kW)
Speed: 6000 rpm – 12,000 rpm

Features:

Governed & Non-Governed
Lockoff Lever Throttle
Rear Exhaust on SAS Series

Right Angle Sanders

Model Number	Free Speed	Pad Diameter		Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Lockoff Lever Throttle – Rear Exhaust													
SAS10S125	12,000	5	125	3.5	1.6	8.3	210	N/A	N/A	35	17	77	5/8"-11
SAS10A125	12,000	5	125	2.2	1	7.75	134	N/A	N/A	35	17	84.1	5/8"-11
SAS10AX125	12,000	5	125	3.2	1.45	11.25	285	N/A	N/A	35	17	83.2	5/8"-11
1 hp (0.75 kW) – Governed Speed Control – Lockoff Lever Throttle													
1287L ¹	6000	7	175	5.9	2.7	11.3	287	35	17	18	8	85	5/8"-11

¹Not CE certified.

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Support Handle • Spindle Wrenches • Backing Pad & Nut

Accessories:

Sander Accessories, see pages 59 – 61

VERTICAL SANDERS



1290



1290L



VS20AL-727

Performance:

Power: 1 hp (0.75 kW) – 2 hp (1.5 kW)
Speed: 6000 rpm – 7200 rpm

Features:

Governed & Non-Governed
Lever & Thumb Throttle
Side Exhaust
Overspeed Shutoff Protection (V Series)

Vertical Sanders

Model Number	Free Speed	Pad Diameter		Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Thumb Throttle													
1290	6000	7	175	4.1	1.9	7.2	183	30	14	38	18	80	5/8"-11
1 hp (0.75 kW) – Lever Throttle													
1290L	6000	7	175	4.1	1.9	7.2	183	30	14	38	18	80	5/8"-11
2 hp (1.5 kW) Class Vertical Sanders – Governed Speed Control – Lockoff Lever Throttle													
VS20AL-609	6000	9	230	7.4	3.3	5.5	145	75	35	26	12	85	5/8"-11
VS20AL-727	7200	7	175	7.4	3.3	5.5	145	75	35	26	12	85	5/8"-11

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Backing Pad & Nut

Accessories:

Sander Accessories, see pages 59 – 61



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

RIGHT ANGLE POLISHERS

Performance:

Power: 1 hp (0.75 kW)
Speed: 3000 rpm

Features:

Governed Speed Control
Lockoff Lever Throttle
Spindle Lock
Remote Exhaust



1238L

Right Angle Polishers



Model Number	Free Speed	Pad Diameter		Weight¹		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Lockoff Lever Throttle													
1238L	3000	8	200	7.9	3.6	11.3	287	33	16	16	8	75	5/8"-11

¹ Weight includes pad & holder.

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Remote Exhaust • Support Handle • Backing Pad & Nut • Wool Polishing Pad

Accessories:

Polisher Accessories, see pages 59 – 61

VERTICAL POLISHERS

Performance:

Power: 1 hp (0.75 kW)
Speed: 2000 rpm – 3000 rpm

Features:

Lever & Thumb Throttle
Side Exhaust
Comfort Grips



1292L



1292

Vertical Polishers



Model Number	Free Speed	Pad Diameter		Weight¹		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	dB(A)	
1 hp (0.75 kW) – Thumb Throttle													
1296	2000	8	200	4.1	1.9	7.1	180	30	14	38	18	80	5/8"-11
1292	3000	8	200	4.1	1.9	7.1	180	30	14	38	18	80	5/8"-11
1 hp (0.75 kW) – Lever Throttle													
1292L	3000	8	200	4.1	1.9	7.1	180	30	14	38	18	80	5/8"-11

¹ Weight includes pad & holder.

General:

Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Spindle Wrenches • Backing Pad & Nut • Polishing Pad

Accessories:

Polisher Accessories, see pages 59 – 61



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

Comfort Grips



66667

Part Number	Description	For Use On
66667	Cushion Grip	690 series

Support Handle

Part No 2362

For use on 2L series straight sanders



Speed-Lok Backing Pads

For use on 1DA series sanders



587M



588M

Part Number	Diameter		Hex Size
	in	mm	
587M	2	50	1/4"
588M	3	75	1/4"

Fibre Backing Discs

Part No 586

For use on SPS10P series sanders

Packaged in cartons of 6

Qty 3 – 3" (75 mm)

Qty 3 – 4-1/2" (110 mm)



Backing Pads

For use on SPS10P series sanders



2344

Part Number	Thread	Diameter	
		in	mm
2344*	(3/8-24)	5	125
2364*	(5/8-11)	5	125

* Includes disc nut 563

7" (175 mm) or 9" (230 mm) Sanding Kits

For use on 1287, 1287L, 1290, 1290L & VS20 Series



545H

Part Number	Description
545 Standard Kit	
544	Disc holder
548	Backing disc
542	Retainer
524	Retaining nut
545H Heavy-Duty Kit	
544	Disc holder
548H	Heavy-duty backing disc
542	Retainer
524	Retaining nut

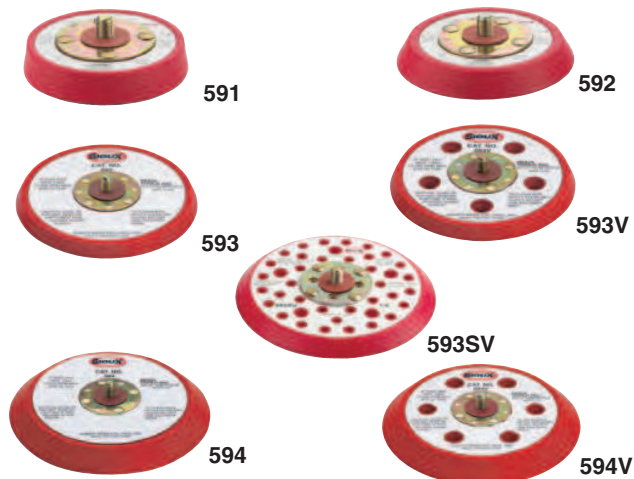


SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

Orbital Sander Backing Pads

Sioux random orbital backing pads are medium density, urethane pads rated for speeds up to 13,000 rpm. The 5" pads are a 3/8" thick with low profile design, while the 6" pads are 5/8" thick with tapered profile for fine feathering in corners or around edges.

5/16" - 24 Spindle Thread



Part Number	Diameter		Backing	Profile	Style
	in	mm			
591	3	75	PSA ¹	Low	Vac/Non-Vac
591J	3	75	H & L ²	Low	Vac/Non-Vac
592	3.5	90	PSA ¹	Tapered	Vac/Non-Vac
592J	3.5	90	H & L ²	Tapered	Vac/Non-Vac
593	5	125	PSA ¹	Low	Non-Vac
593V	5	125	PSA ¹	Low	Vacuum
593J	5	125	H & L ²	Low	Non-Vac
593JV	5	125	H & L ¹	Low	Vacuum
593SV	5	125	PSA ¹	Low	Screen Vac
594	6	150	PSA ¹	Tapered	Non-Vac
594V	6	150	PSA ¹	Tapered	Vacuum
594J	6	150	H & L ²	Tapered	Non-Vac
594JV	6	150	H & L ²	Tapered	Vacuum
594SV	6	125	PSA ¹	Low	Screen Vac

¹ PSA – Vinyl face for pressure sensitive adhesive sanding discs

² H & L – Hook and loop face

Polishing Accessories



Part Number	Grit	Grit
846C*	Backing pad (Includes 524)	
1211B*	Wool polishing pad	
524*	Retaining nut	
847	Hook & loop backing pad	1238, 1238L
1220	Hook & loop polishing pad	1292, 1292L
843	Tie-on wool bonnet (pkg 10)	

* Standard equipment on polishers

Vacuum Conversion Kits



Part Number	For Use On
665	658, 690, 758, 790



SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1