

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.

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		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
0.3 hp (0.22 kW) – Lever Throttle – 200 Series Collet									
SDG03S25	25,000	1	0.45	6.25	160	11	5.2	1/4"	Rear
SDG03S25M6	25,000	1	0.45	6.25	160	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	11	5.2	1/4"	Rear
SDG03S25M6S	25,000	1	0.45	6.25	160	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	23	10.9	1/4"	Rear
SDG05S18M6	18,000	1.2	0.54	7	180	23	10.9	6 mm	Rear
SDG05S23	23,000	1.2	0.54	7	180	23	10.9	1/4"	Rear
SDG05S23M6	23,000	1.2	0.54	7	180	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	23	10.9	1/4"	Rear
SDG05S18M6S	18,000	1.2	0.54	7	180	23	10.9	6mm	Rear
SDG05S23S	23,000	1.2	0.54	7	180	23	10.9	1/4"	Rear
SDG05S23M6S	23,000	1.2	0.54	7	180	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	25	12	1/4"	Front
SDG7S18M6F	18,000	1.2	0.6	6	150	25	12	6 mm	Front
SDG7S25F	25,000	1.2	0.6	6	150	25	12	1/4"	Front
SDG7S25FS	25,000	1.2	0.6	6	150	25	12	1/4"	Front
SDG7S25M6F	25,000	1.2	0.6	6	150	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	30	14	1/4"	Front
SDG10S12M6F	12,000	1.7	0.8	7.5	190	30	14	6 mm	Front
SDG10S12R	12,000	1.7	0.8	7.5	190	30	14	1/4"	Rear
SDG10S12M6R	12,000	1.7	0.8	7.5	190	30	14	6 mm	Rear
SDG10S18F	18,000	1.7	0.8	7.5	190	30	14	1/4"	Front
SDG10S18M6F	18,000	1.7	0.8	7.5	190	30	14	6 mm	Front
SDG10S18R	18,000	1.7	0.8	7.5	190	30	14	1/4"	Rear
SDG10S18M6R	18,000	1.7	0.8	7.5	190	30	14	6 mm	Rear
SDG10S25F	25,000	1.7	0.8	7.5	190	30	14	1/4"	Front
SDG10S25M6F	25,000	1.7	0.8	7.5	190	30	14	6 mm	Front
SDG10S25R	25,000	1.7	0.8	7.5	190	30	14	1/4"	Rear
SDG10S25M6R	25,000	1.7	0.8	7.5	190	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 51



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



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		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing									
SDGA1S12	12,000	1.5	0.7	6.9	175	30	14	1/4"	Front
SDGA1S12M6	12,000	1.5	0.7	6.9	175	30	14	6 mm	Front
SDGA1S18	18,000	1.5	0.7	6.9	175	30	14	1/4"	Front
SDGA1S18M6	18,000	1.5	0.7	6.9	175	30	14	6 mm	Front
SDGA1S25	25,000	1.5	0.7	6.9	175	30	14	1/4"	Front
SDGA1S25M6	25,000	1.5	0.7	6.9	175	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	30	14	1/4"	Front
SDGA1S12M6G	12,000	1.4	0.6	6.9	175	30	14	6 mm	Front
SDGA1S18G	18,000	1.4	0.6	6.9	175	30	14	1/4"	Front
SDGA1S18M6G	18,000	1.4	0.6	6.9	175	30	14	6 mm	Front
SDGA1S25G	25,000	1.4	0.6	6.9	175	30	14	1/4"	Front
SDGA1S25M6G	25,000	1.4	0.6	6.9	175	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing									
SDGS1S12	12,000	2.2	1	6.9	175	30	14	1/4"	Front
SDGS1S12M6	12,000	2.2	1	6.9	175	30	14	6 mm	Front
SDGS1S18	18,000	2.2	1	6.9	175	30	14	1/4"	Front
SDGS1S18M6	18,000	2.2	1	6.9	175	30	14	6 mm	Front
SDGS1S25	25,000	2.2	1	6.9	175	30	14	1/4"	Front
SDGS1S25M6	25,000	2.2	1	6.9	175	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	30	14	1/4"	Front
SDGS1S12M6G	12,000	1.8	0.8	6.9	175	30	14	6 mm	Front
SDGS1S18G	18,000	1.8	0.8	6.9	175	30	14	1/4"	Front
SDGS1S18M6G	18,000	1.8	0.8	6.9	175	30	14	6 mm	Front
SDGS1S25G	25,000	1.8	0.8	6.9	175	30	14	1/4"	Front
SDGS1S25M6G	25,000	1.8	0.8	6.9	175	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 51



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



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		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
0.5 hp (0.37 kW) – Lever Throttle – Extended – 200 Series Collet									
SXG05S18	18,000	2.1	0.95	11	280	23	10.9	1/4"	Rear
SXG05S18M6	18,000	2.1	0.95	11	280	23	10.9	6 mm	Rear
SXG05S23	23,000	2.1	0.95	11	280	23	10.9	1/4"	Rear
SXG05S23M6	23,000	2.1	0.95	11	280	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	23	10.9	1/4"	Rear
SXG05S18M6S	18,000	2.1	0.95	11	280	23	10.9	6mm	Rear
SXG05S23S	23,000	2.1	0.95	11	280	23	10.9	1/4"	Rear
SXG05S23M6S	23,000	2.1	0.95	11	280	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	30	14	1/4"	Rear
STXG10S12M6	12,000	2.2	1	12.1	308	30	14	6 mm	Rear
STXG10S18	18,000	2.2	1	12.1	308	30	14	1/4"	Rear
STXG10S18M6	18,000	2.2	1	12.1	308	30	14	6 mm	Rear
STXG10S23	23,000	2.2	1	12.1	308	30	14	1/4"	Rear
STXG10S23M6	23,000	2.2	1	12.1	308	30	14	6 mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – Cone Wheel									
STXG10S18CW	18,000	2.2	1	12.2	310	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:

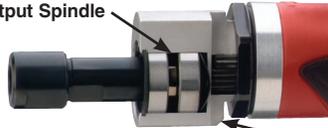
Grinder Accessories, see page 51



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

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		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – High Torque									
SDG10SHT08	8000	2	0.90	9.5	240	35	16.5	1/4"	Rear
SDG10SHT08M6	8000	2	0.90	9.5	240	35	16.5	6 mm	Rear
SDG10SHT12	12,000	2	0.90	9.5	240	35	16.5	1/4"	Rear
SDG10SHT12M6	12,000	2	0.90	9.5	240	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 51

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		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
1.5 hp (1.1 kW) – Twist Throttle									
RT1985 ¹	20,000	4.3	2	7.6	193	38	18	1/4"	Side
1985-1/2	20,000	4.3	2	7.6	193	38	18	1/2"	Side
1985A	20,000	4.3	2	7.6	193	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 51



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



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
 Built-in Speed Control

Right Angle Die Grinders



Model Number	Free Speed	Weight		Length		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
0.3 hp (0.22 kW) – Lever Throttle – 200 Series Collet									
SAG03S12	12,000	1.2	0.55	5.625	140	11	5.2	1/4"	Rear
SAG03S12M6	12,000	1.2	0.55	5.625	140	11	5.2	6 mm	Rear
SAG03S20	20,000	1.2	0.55	5.625	140	11	5.2	1/4"	Rear
SAG03S20M6	20,000	1.2	0.55	5.625	140	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	11	5.2	1/4"	Rear
SAG03S12M6S	12,000	1.15	0.52	5.625	143	11	5.2	6mm	Rear
SAG03S20S	20,000	1.15	0.52	5.625	143	11	5.2	1/4"	Rear
SAG03S20M6S	20,000	1.15	0.52	5.625	143	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	23	10.8	1/4"	Rear
SAG05S23M6	23,000	1.4	0.64	6.375	160	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	23	10.8	1/4"	Rear
SAG05S23M6S	23,000	1.35	0.61	6.375	162	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	25	12	1/4"	Front
SAG7S12M6	12,000	2	0.90	6.500	165	25	12	6mm	Front
SAG7S15	15,000	2	0.90	6.500	165	25	12	1/4"	Front
SAG7S15M6	15,000	2	0.90	6.500	165	25	12	6mm	Front
SAG7S18	18,000	2	0.90	6.500	165	25	12	1/4"	Front
SAG7S18M6	18,000	2	0.90	6.500	165	25	12	6mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet									
SAG10S12	12,000	2.7	1.2	9	230	30	14	1/4"	Rear
SAG10S12M6	12,000	2.7	1.2	9	230	30	14	6 mm	Rear
SAG10S15	15,000	2.7	1.2	9	230	30	14	1/4"	Rear
SAG10S15M6	15,000	2.7	1.2	9	230	30	14	6 mm	Rear
SAG10S18	18,000	2.7	1.2	9	230	30	14	1/4"	Rear
SAG10S18M6	18,000	2.7	1.2	9	230	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 51



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 zerck in gear case



Right Angle Extended Die Grinders

Model Number	Free Speed	Weight		Length		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet									
SAG10AX12	12,000	3.20	1.45	11.25	286	30	14.2	1/4"	Rear
SAG10AX12M6	12,000	3.20	1.45	11.25	286	30	14.2	6mm	Rear
SAG10AX15	15,000	3.20	1.45	11.25	286	30	14.2	1/4"	Rear
SAG10AX15M6	15,000	3.20	1.45	11.25	286	30	14.2	6mm	Rear
SAG10AX18	18,000	3.20	1.45	11.25	286	30	14.2	1/4"	Rear
SAG10AX18M6	18,000	3.20	1.45	11.25	286	30	14.2	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle									
SAG7AX13	13,000	2.9	1.3	10	254	25	12	1/4"	Front
SAG7AX13M6	13,000	2.9	1.3	10	254	25	12	6 mm	Front
SAG7AX16	16,000	2.9	1.3	10	254	25	12	1/4"	Front
SAG7AX16M6	16,000	2.9	1.3	10	254	25	12	6 mm	Front
SAG7AX20	20,000	2.9	1.3	10	254	25	12	1/4"	Front
SAG7AX20M6	20,000	2.9	1.3	10	254	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 51

Sioux Swivel

Part Number	Description
1338-25	1/4" non-regulated air swivel connector with safety pin
1338-38	3/8" non-regulated air swivel connector with safety pin
1338-50	1/2" non-regulated air swivel connector with safety pin
1338FC-25	1/4" regulated air swivel connector with safety pin

Allows the air hose to rotate 360° on 2 axes.



1338-25

1338FC-25



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



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		Air Consumption		Collet Size	Exhaust	
	rpm	lb	kg	in	mm	cfm	l/s			
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing										
SAGA1AX12	12,000	3.2	1.5	10.5	267	30	14.2	1/4"	Front	
SAGA1AX12M6	12,000	3.2	1.5	10.5	267	30	14.2	6mm	Front	
SAGA1AX15	15,000	3.2	1.5	10.5	267	30	14.2	1/4"	Front	
SAGA1AX15M6	15,000	3.2	1.5	10.5	267	30	14.2	6mm	Front	
SAGA1AX18	18,000	3.2	1.5	10.5	267	30	14.2	1/4"	Front	
SAGA1AX18M6	18,000	3.2	1.5	10.5	267	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	30	14.2	1/4"	Front	
SAGA1AX12M6G	12,000	2.9	1.3	10.5	267	30	14.2	6mm	Front	
SAGA1AX15G	15,000	2.9	1.3	10.5	267	30	14.2	1/4"	Front	
SAGA1AX15M6G	15,000	2.9	1.3	10.5	267	30	14.2	6mm	Front	
SAGA1AX18G	18,000	2.9	1.3	10.5	267	30	14.2	1/4"	Front	
SAGA1AX18M6G	18,000	2.9	1.3	10.5	267	30	14.2	6mm	Front	
1 hp (0.75 kW) – Lever Throttle – Steel Housing										
SAGS1AX12	12,000	3.8	1.7	10.5	267	30	14.2	1/4"	Front	
SAGS1AX12M6	12,000	3.8	1.7	10.5	267	30	14.2	6mm	Front	
SAGS1AX15	15,000	3.8	1.7	10.5	267	30	14.2	1/4"	Front	
SAGS1AX15M6	15,000	3.8	1.7	10.5	267	30	14.2	6mm	Front	
SAGS1AX18	18,000	3.8	1.7	10.5	267	30	14.2	1/4"	Front	
SAGS1AX18M6	18,000	3.8	1.7	10.5	267	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	30	14.2	1/4"	Front	
SAGS1AX12M6G	12,000	3.4	1.5	10.5	267	30	14.2	6mm	Front	
SAGS1AX15G	15,000	3.4	1.5	10.5	267	30	14.2	1/4"	Front	
SAGS1AX15M6G	15,000	3.4	1.5	10.5	267	30	14.2	6mm	Front	
SAGS1AX18G	18,000	3.4	1.5	10.5	267	30	14.2	1/4"	Front	
SAGS1AX18M6G	18,000	3.4	1.5	10.5	267	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 51



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		Air Consumption Free Speed		Spindle Thread	Exhaust
	rpm		In	mm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lockoff Lever Throttle												
SWG10AX124	12,000		4	100	3.6	1.63	11.25	285	35	17	3/8" - 24	Rear
SWG10AXL124	12,000		4	100	3.5	1.59	11.25	285	35	17	3/8" - 24	Rear
SWG10AX1245	12,000		4.5	115	3.7	1.68	11.25	285	35	17	5/8" - 11	Rear
SWG10AX125	12,000		5	127	3.8	1.72	11.25	285	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	25	12	3/8" - 24	Front
SWG7AX1345	13,300		4.5	115	3.5	1.6	10	254	25	12	5/8" - 11	Front
SWG7AX203	20,000		3	75	3.5	1.6	10	254	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 51



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		Air Consumption Free Speed		Spindle Thread	Exhaust
	rpm		In	mm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing												
SWGA1AX124	12,000		4	100	3.3	1.5	10.5	267	35	17	3/8" - 24	Front
SWGA1AX1245	12,000		4.5	115	3.4	1.5	10.5	267	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	35	17	3/8" - 24	Front
SWGA1AX1245G	12,000		4.5	115	3.3	1.5	10.5	267	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	35	17	3/8" - 24	Front
SWGS1AX1245	12,000		4.5	115	4	1.8	10.5	267	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	35	17	3/8" - 24	Front
SWGS1AX1245G	12,000		4.5	115	3.8	1.7	10.5	267	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 51



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



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		Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	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	N/A	N/A	25	12	3/8"-24
1 hp (0.75 kW) – Heavy Duty Angle Head												
SWG10S124	12,000	4	100	3	1.6	8.3	210	N/A	N/A	35	17	3/8"-24
SWG10S1245	12,000	4.5	115	3	1.6	8.3	210	N/A	N/A	35	17	5/8"-11
SWG10S125	12,000	5	127	3.1	1.6	8.3	210	N/A	N/A	35	17	5/8"-11
1 hp (0.75 kW) – Medium Duty Angle Head												
SWG10A124	12,000	4	100	2.5	1.1	7.75	195	N/A	N/A	35	17	3/8" - 24
SWG10A1245	12,000	4.5	115	2.6	1.17	7.75	195	N/A	N/A	35	17	5/8"-11
SWG10A125	12,000	5	127	2.7	1.22	7.75	195	N/A	N/A	35	17	5/8" - 11
SWG10S183	18,000	3	75	2.5	1.1	7.5	190	N/A	N/A	35	17	3/8"-24
1 hp (0.75 kW) – Governed Speed – Lockoff Lever Throttle												
1285L ¹	6000	7	175	5.9	2.7	12.4	315	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 51



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		Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	
1 hp (0.75 kW) – Non-Governor Speed – Thumb Throttle												
1291L	6000	7	175	5	2.3	7.2	183	30	14	38	18	5/8"-11
1 hp (0.75 kW) – Non-Governor Speed – Thumb Throttle												
1291	6000	7	175	5	2.3	7.2	183	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	75	35	26	12	5/8"-11
VG20AL-60D7	6000	7	175	7.4	3.3	5.5	145	75	35	26	12	5/8"-11
VG20AL-60D9	6000	9	230	7.4	3.3	5.5	145	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	90	42	39	18	5/8"-11
VG30AL-45D9	4500	9	230	9.5	4.3	6.4	165	90	42	39	18	5/8"-11
VG30AL-60D7	6000	7	175	9.5	4.3	6.4	165	90	42	39	18	5/8"-11
VG30AL-60D9	6000	9	230	9.5	4.3	6.4	165	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 51

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		Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	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	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	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 51



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		Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	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	75	35	26	12	5/8"-11
HG20AL-60S6	6000	6	150	10.5	4.8	20.8	530	75	35	26	12	5/8"-11
HG20AL-80P3	8000	3	75	10.5	4.8	20.8	530	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	90	42	39	18	5/8"-11
HG30AL-60S6	6000	6	150	12.5	5.6	21.8	550	90	42	39	18	5/8"-11
HG30AL-80P3	8000	3	75	12.5	5.6	21.8	550	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 51

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		Air Consumption		Exhaust
	rpm	lb	kg	in	mm	cfm	l/s	
SMR05S354	3500	2.4	1.08	12	304.8	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 51



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

CUTOFF TOOL (TYPE 1)

Performance:

Power: 1 hp (0.75 kW)
Free Speed: 18,000 rpm – 25,000 rpm

Features:

Inline
Lockoff Lever Start
Front or Rear Exhaust



SCO10S253F



Cutoff Tool

Model Number	Blade Diameter		Depth of Cut		Free Speed rpm	Weight		Length		Air Consumption		Exhaust
	in	mm	in	mm		lb	kg	in	mm	cfm	l/s	
1 hp (0.75 kW) – Cutoff Tool – Inline – Lockoff lever Start												
SCO10S184F	4	100	1.1	28	18,000	2	0.9	8.3	210	30	14	Front
SCO10S184R	4	100	1.1	28	18,000	2	0.9	8.3	210	30	14	Rear
SCO10S204F	4	100	1.1	28	20,000	2	0.9	8.3	210	30	14	Front
SCO10S204R	4	100	1.1	28	20,000	2	0.9	8.3	210	30	14	Rear
SCO10S253F	3	76	1	25	25,000	2	0.9	8.3	210	30	14	Front
SCO10S253R	3	76	1	25	25,000	2	0.9	8.3	210	30	14	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 • 1 Blade • Spindle Wrenches & Guard

Accessories:

Panel and Cutoff Saw Accessories, see page 51

ANGLE CUTOFF TOOLS (TYPE 1)

Features:

Heavy duty spiral bevel gearing for durability and smooth operation

4 position indexable angle head
360 degree rotatable guard
Grease zerk in gear case



SCO10A106



Angle Cutoff Tool

Model Number	Blade Diameter		Depth of Cut		Free Speed rpm	Weight		Length		Air Consumption		Spindle Thread	Exhaust
	in	mm	in	mm		lb	kg	in	mm	cfm	l/s		
SCO7A184	4	100	1.2	30	18,000	2.5	1.4	6.4	163	25	12	3/8"-24	Front
SCO10A106	6	150	2	51	10,000	3.7	1.7	8.75	220	35	16.5	5/8"-11	Rear
SCO10A125	5	125	1.5	38	12,000	3.5	1.6	8.75	220	35	16.5	5/8"-11	Rear
SCO10A184	4	100	1.2	30	18,000	2.5	1.4	7.75	195	35	16.5	3/8"-24	Rear
SCO10AXL124	4	100	1	25	12,000	3.6	1.6	11.25	285	35	17	3/8"-24	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 • 1 Blade • Spindle Wrenches & Guard

Accessories:

Angle Cutoff Tool Accessories, see page 51



SCOA1AX124



SCOA1AX124G



Angle Metal Body Extended Cutoff Tool

Model Number	Blade Diameter		Depth of Cut		Free Speed rpm	Weight		Length		Air Consumption		Spindle Thread	Exhaust
	in	mm	in	mm		lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing													
SCOA1AX124	4	100	1	25	12,000	3.9	1.8	10.5	267	35	16.5	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip													
SCOA1AX124G	4	100	1	25	12,000	3.6	1.6	10.5	267	35	16.5	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing													
SCOS1AX124	4	100	1	25	12,000	4.5	2	10.5	267	35	16.5	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip													
SCOS1AX124G	4	100	1	25	12,000	4.1	1.9	10.5	267	35	16.5	3/8" - 24	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 • 1 Blade • Spindle Wrenches & Guard

Accessories:

Angle Cutoff Tool Accessories, see page 51



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
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