



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)

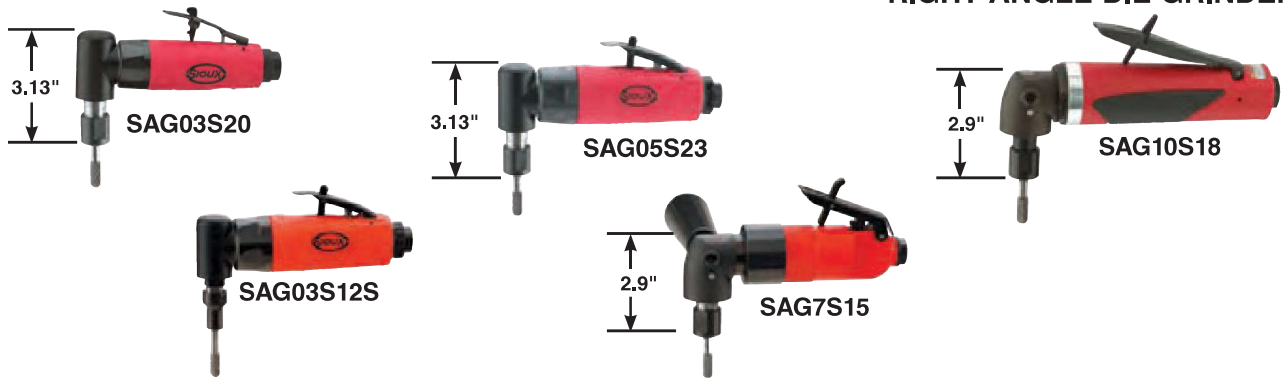
Accessories:

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 zerk 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



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

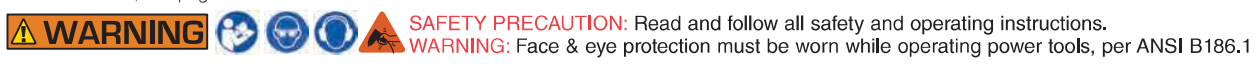


| Model Number | Free Speed | Wheel Capacity | | Weight | | Length | | Air Consumption Free Speed | | Spindle Thread | Exhaust |
|---|------------|----------------|-----|--------|-----|--------|-----|----------------------------|-----|----------------|---------|
| | rpm | In | mm | lb | kg | in | mm | cfm | l/s | | |
| 1 hp (0.75 kW) – Lever Throttle – Aluminum Housing | | | | | | | | | | | |
| SWG1AX124 | 12,000 | 4 | 100 | 3.3 | 1.5 | 10.5 | 267 | 35 | 17 | 3/8" - 24 | Front |
| SWG1AX1245 | 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 | | | | | | | | | | | |
| SWG1AX124G | 12,000 | 4 | 100 | 3.2 | 1.5 | 10.5 | 267 | 35 | 17 | 3/8" - 24 | Front |
| SWG1AX1245G | 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





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