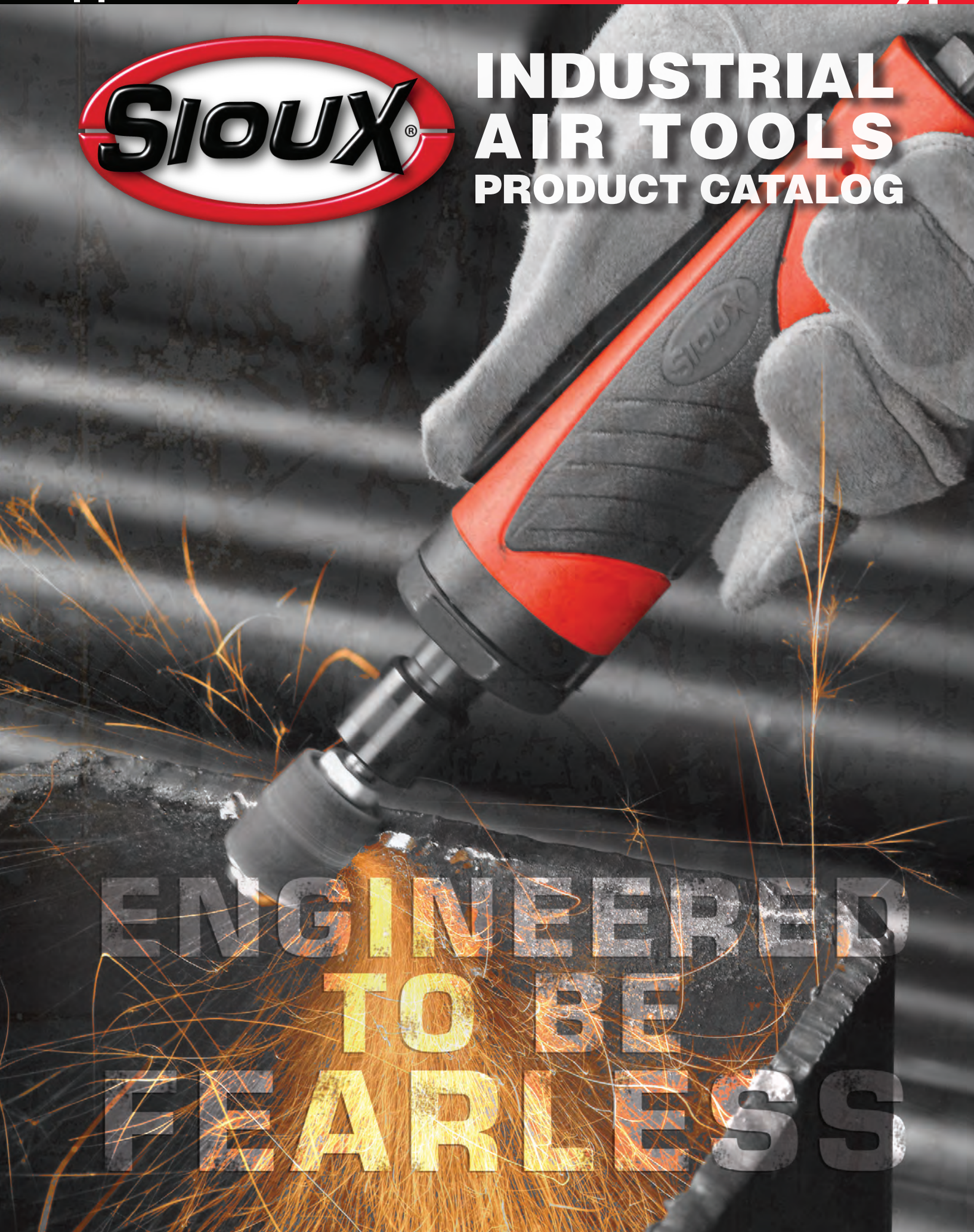

SIOUX®
INDUSTRIAL
AIR TOOLS
PRODUCT CATALOG
ENGINEERED
TO BE
FEARLESS

SIOUX®

AMERICAN MADE SINCE 1914



From raw material to final assembly, Sioux Tools have been designed, engineered and manufactured in the USA for over 100 years. Our facility in Murphy, NC manufactures pneumatic drills, screwdrivers, impacts, grinders, sanders, and many specialty tools that serve a wide range of industries. We are committed to quality, reliability, and customer satisfaction.

Sioux Tools are truly "*Engineered to be Fearless!*"



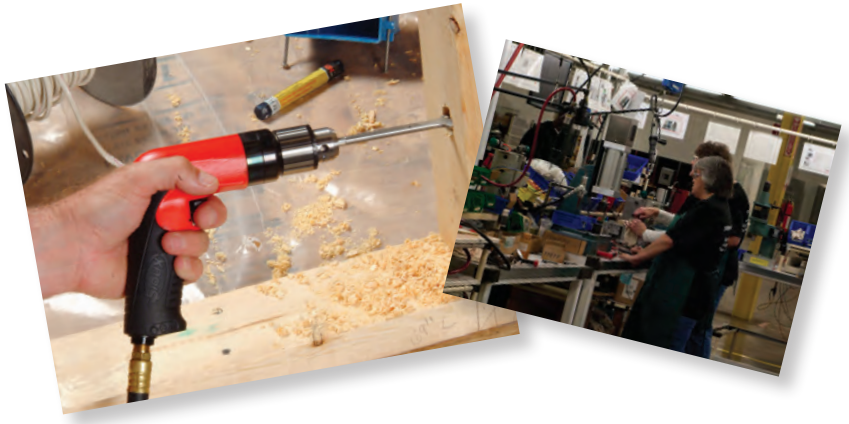
PRODUCTS THAT DELIVER VALUE





Non-negotiable Product and Workplace Safety.

From the manufacturer to the user, safety is paramount. We put extra margin of safety into every tool we make.



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Mission

To create and serve customers with quality products and service that meet or exceed their expectations.

History

A History of Success

Sioux Tools has a long and proud heritage of innovation as they have helped to shape the face of the tool industry. The company was started in November of 1914 by Swedish tool maker, Oscar Albertson, and office boy, Harold Jacobson, with a goal to become the “best machine and tool shop”. Sioux has since grown to become a trusted partner by a wide range of industrial and manufacturing segments.

Originally named Albertson & Company, the first items manufactured were piston rings, spark plugs and a gas saver. They soon expanded their line to become a powerful force in the marketplace. In early 1917, Oscar Albertson designed a valve lathe – a hand tool used to seat engine valves. This invention proved to be the foundation upon which Sioux Tools has built a reputation for innovation throughout the world.

During the 1920s the company revolutionized the tool industry by introducing some of the very first hand held power tools. In 1958 the company further solidified its position as a market leader by designing and producing its first air powered tools. Today, Sioux Tools has been granted well over 100 patents. Innovation, ingenuity and insight have established Sioux tools in the minds of the professional as the tool to depend on. Our commitment to continued development in ergonomics and innovative design ensures that we will meet the needs of professionals for many years to come.

Wherever there are markets for quality-built, reliable products, backed by strong after-sale dedication to customer satisfaction, you’ll find Sioux Tools. Today we continue to strive to live up to our founding father’s wish of being the “best in the world”.

In 1994 Sioux Tools joined Snap-on Incorporated, which added industrial power tools to the extensive Snap-on line. Snap-on Incorporated is a leading global developer, manufacturer and marketer of tool and equipment solutions for professional tool users. Product lines include hand and power tools, diagnostics and shop equipment, tool storage products, diagnostics software and other solutions for the transportation service, industrial, government, education, agricultural, and other commercial applications, including construction and electrical. Founded in 1920, Snap-on is a $3+ billion, S&P 500 company headquartered in Kenosha, Wisconsin and employs approximately 14,000 worldwide.

Committed

Committed to your Success

For over 100 years, Sioux Tools has been providing tools that have been designed and built by the best engineers in the country. We use only top-quality materials in our manufacturing process, and we offer the strongest support and warranty in the business. Our over 100 patents are an indication of our innovation in product development and design.

Sioux Tools are built tough to provide you with many years of trouble-free service. But as with any piece of equipment, service problems can occur, thus Sioux tools are designed to make servicing quick, easy and affordable.

To help ensure fast repairs, which in turn limit downtime, Sioux Tools offers training seminars that cover all the details of the tools we make. For information on our training program, please contact your local Sioux Tools representative.

ISO/Warranty

Sioux Tool
Power Tools Warranty

SIOUX TOOLS WARRANTS TO THE ORIGINAL PURCHASER THAT THE COMPANY’S POWER TOOLS ARE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP. For one (1) year following the date of purchase, Sioux Tools will repair or replace, at Sioux Tools’ option, any part that is defective in materials or workmanship. All warranty requests or claims must be made no later than 60 days following the end of the 1-year warranty period. Repair or replacement shall be at the election and expense of Sioux Tools, and is the exclusive remedy in place of all other rights and remedies.

SIOUX TOOLS INDUSTRIAL CATALOG

NO OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. Sioux Tools' warranty applies only to new products purchased from Sioux Tools or its authorized distributors. Sioux Tools does NOT provide warranty for products subjected to abnormal use. Abnormal use includes: misuse, accident, modification, unreasonable use, neglect, lack of maintenance, or use after the tool is significantly worn or repaired by someone other than Sioux Tools or its Authorized Service Representatives.

A consumable product or part is warranted at the time of sale, only against defects in workmanship and materials that prevent its use. Consumable items are goods reasonably expected to be used up or damaged during use, including but not limited to drill bits, saw blades, grinding discs, sanding discs, batteries, and light bulbs.

SIOUX TOOLS SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL COSTS OR DAMAGES INCURRED BY THE PURCHASER OR OTHERS (including, without limitation, lost profits, revenues, anticipated sales, business opportunities or goodwill, interruption of business and any other injury or damage.)

This warranty is non-transferable. Sioux Tools reserves the right to make changes in design and/or construction at any time without incurring any obligation related to tools previously sold.

ISO 9001

In 1997 Sioux Tools received its ISO 9001 certification. This certification is essential to doing business in today's global marketplace. It affirms our dedication to quality and our continued commitment to improvement. It assures our customers that the products they purchase will consistently live up to the promise of performance. It also validates our target goal of achieving maximum quality in every stage of the process - from the initial concept and development all the way through the delivery of spare parts. Our customers can be certain that Sioux tools will live up to their high expectations and provide a long, trouble-free life.


DNV

DNV BUSINESS ASSURANCE

MANAGEMENT SYSTEM CERTIFICATE

Snap-on Incorporated

ISO 9001:2008

The Design, Manufacture, Distribution and Service of Hand and Power Tools, Diagnostic Equipment and Tool Storage Products

Industrial Tools

Sioux Tools is known around the world for quality, durability and performance. Our extensive and always expanding line of industrial power tools are engineered to make any job easier, safer and more efficient. We build tools that stand up to the demanding specifications required by today's industrial manufacturing, assembly and finishing needs. Our industrial line of tools is second to none in power, workmanship and total quality.

We Design Tools To Fit The Application

Sioux has been an innovator in designing tools that fill unique applications. The exclusive Z-handle design enables manufacturers to have a tool that will fit into extremely tight spaces yet maintain the full industrial power.

Research & Development

As new manufacturing techniques develop they bring with them new demands that may not be met with conventional air tools. Sioux Tools is ready to meet these needs by utilizing our engineering technology coupled with the latest innovations and technological advancements in the power tool industry.

We research the need to develop a new tool and then our Sioux team of engineers and designers go to work to produce the most efficient and versatile tool possible. We are constantly working to increase our product offering, but those new products must live up to our high expectations. Our extensive design engineering, research and development experience has proven our ability and commitment to build quality tools.

Continuous Quality Control

Every Sioux product undergoes rigorous performance tests at precise stages from design conception through product assembly and packaging to ensure they meet our own high standards and the demands of our customers. Only the finest materials are used in production, and no tool leaves our plant without thorough testing to meet Sioux quality standards. We've built our reputation on producing top-of-the-line industrial tools.

The Signature Series

Inspired by the operator, designed by Sioux Tools. Since 1914, Sioux Tools has been committed to bringing productive solutions to the pneumatic power tool industry.

Signature Series is an innovative pneumatic power tool program created through the implementation of next generation ergonomics, productivity enhanced features, value and accuracy.

Through industry research and operator input, we have engineered a program that truly delivers tools for the way you work!

SIOUX Signature SERIES

Catalog Guide

Color-coded Tabs

Quick reference indicator to locate a particular section

Product Description

Instant reference to the type of tools displayed

Performance

Range of principle performance characteristics

Features

List of significant features common to all items

Specification Chart

Comparison chart of all models in this category including performance specifications and characteristics

General Info

Specifications that are common to all tools on the page

Standard Equipment

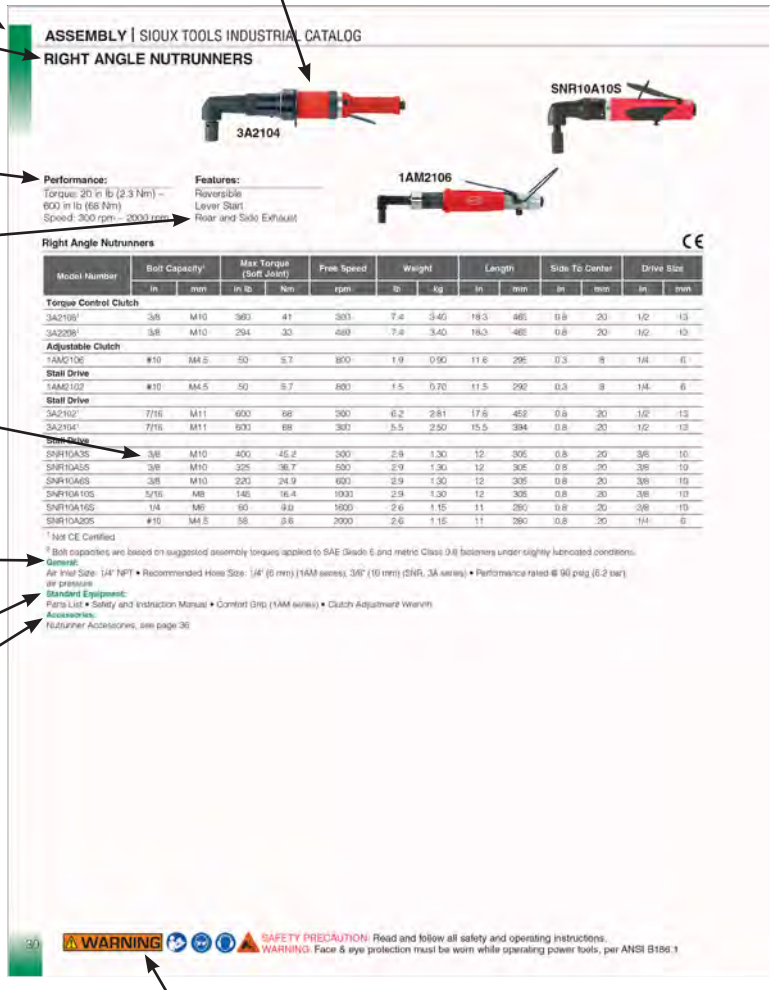
Listing of items that are included with purchase

Accessories

Shows what accessories are available or where to locate them in the catalog

Photos

Visual reference of selective models


ASSEMBLY | SIOUX TOOLS INDUSTRIAL CATALOG

RIGHT ANGLE NUTRUNNERS

3A2104

SNR10A10S

1AM2106

Performance:
Torque: 20 in lb (2.3 Nm) – 600 in lb (68 Nm)
Speed: 300 rpm – 2000 rpm

Features:
Reversible
Lever Start
Rear and Side Exhaust

Right Angle Nutrunners

Model Number	Bolt Capacity		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Drive Size	
	in.	mm	in lb	Nm	rpm	lb	kg	in.	mm	in.	mm	in.	mm
Torque Control Clutch													
3A2109	3/8	M10	360	41	300	7.4	3.40	18.3	465	0.8	20	1/2	13
3A2208	3/8	M10	294	33	480	7.4	3.40	18.3	465	0.8	20	1/2	13
Adjustable Clutch													
1AM2106	#10	M4.5	50	5.7	800	1.9	0.90	11.6	295	0.3	8	1/4	6
Stall Drive													
1AM2102	#10	M4.5	50	5.7	800	1.5	0.70	11.5	292	0.3	8	1/4	6
Stall Drive													
3A2102	7/16	M11	600	68	300	6.2	2.81	17.6	452	0.8	20	1/2	13
3A2104	7/16	M11	600	68	300	5.5	2.50	15.5	394	0.8	20	1/2	13
Stall Drive													
SNR10A3S	3/8	M10	400	45.2	300	2.9	1.30	12	305	0.8	20	3/8	10
SNR10A5S	3/8	M10	325	36.7	500	2.9	1.30	12	305	0.8	20	3/8	10
SNR10A6S	3/8	M10	220	24.9	600	2.9	1.30	12	305	0.8	20	3/8	10
SNR10A10S	5/16	M8	145	16.4	1000	2.9	1.30	12	305	0.8	20	3/8	10
SNR10A16S	1/4	M6	60	9.0	1600	2.6	1.15	11	280	0.8	20	3/8	10
SNR10A20S	#10	M4.5	58	8.6	2000	2.6	1.15	11	280	0.8	20	1/4	6

Not CE Certified

Bolt capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 8.8 fasteners under slightly lubricated conditions.

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1AM series), 3/8" (10 mm) (SNR, 3A series) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:
Parts List • Safety and Instruction Manual • Comfort Grip (1AM series) • Clutch Adjustment Wrench

Accessories:
Nutrunner Accessories, see page 36

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WARNING 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

Safety Info

A brief reminder of safety when operating industrial power tools

SIOUX TOOLS INDUSTRIAL CATALOG

Catalog Guide

Standard Equipment

Under this heading a specification is given for each type of tool and of the parts (nipples, keys, guards, etc.) supplied with the tool.

A parts list and safety and instruction manual are always included in the package with every tool.

Air Consumption

The air consumption of the tools is stated in cubic feet per minute (cfm) and liters per second, l/s, and relates to free air, i.e., the compressed air expanded to atmospheric pressure. Unless otherwise stated, the figures are valid at a working pressure of 90 psig (6.2 bar) and indicate the maximum air consumption unless otherwise stated.

Maximum air consumption for non-governed tools is achieved at free speed when the tool is running at no load. A tool with governed speed control has the maximum air consumption at the maximum power output.

Speed

The tool speeds are indicated in revolutions per minute, (rpm), and indicate the free speed, i.e., the speed at which the tool runs at no load and at a working pressure of 90 psig (6.2 bar), unless otherwise specified. The speed at maximum output is estimated as 50% of the idling speed for non-governed tools and 80-90% of the idling speed for tools with governed speed control.

Model Number

Many tools have very similar performance characteristics. These subtle differences are often indicated by the addition of letters after the model number.

Weight and Length

The weight of the tools is listed in both pounds (lb) and kilograms (kg), and the length is listed in both inches (in) and millimeters (mm).

Side to Center

This measurement is taken from the center of the tool to the outside edge. It is useful for applications requiring the tool to fit into a precise or limited space.

Sound Level

In the field of ergonomics, sound level is very important to the safety and well-being of the operator. Sound levels are listed, where applicable, in decibels dB(A).

Quick Conversion Chart

Length:

1 in	=	0.0254 m
1 m	=	39.3701 in
1 m	=	3.2808 ft
1 in	=	25.4 mm
1 ft	=	304.8 mm
1 mm	=	0.03937 in

Weight:

1 lb	=	0.4536 kg
1 kg	=	2.2046 lb

Torque:

1 kpm	=	9.8067 Nm
1 ft lb	=	1.3558 Nm
1 in lb	=	0.1130 Nm
1 Nm	=	0.1020 kpm
1 Nm	=	0.7376 ft lb

Pressure:

1 bar	=	100 kPa
1 kg/cm2 (at)	=	98.0665 kPa
1 psi	=	6.8948 kPa
1 kPa	=	0.145 psi
1 kPa	=	0.01 bar
1 kPa	=	0.0101972 kg/cm2 (at)

Power:

1 kgm/s	=	9.8067 w
1 hp	=	745.7 w
1 kw	=	101.972 kgm/s
1 kw	=	1.3410 hp

Flow:

1 m3/min	=	16.6667 l/s
1 cfm	=	0.4720 l/s
1 m3/h	=	0.2778 l/s
1 l/s	=	2.1189 cfm

DRILLS

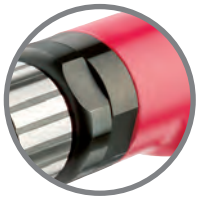


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Drill Accessories 19

DRILLS

Performance, Serviceability, Ergonomics and Value…



Light weight aluminum housing



Ergonomic, handle with soft textured grip



Available in 1 hp and .6 hp motor



3 planet gear system for increased life and load capacity



Teasing throttle, conveniently located reverse

Industry Leader

Regarded as the Number 1 choice in the industry, Sioux Tools' pneumatic drills are known around the world for their exceptional engineering and construction. A wide range of configurations, speeds, and options ensure a perfect match for any application. Through next generation ergonomics and the continued focus on productivity and operator safety comes the development of the Sioux Tools Signature Series Drill line.

Signature Series Drills are used in applications ranging from manufactured housing and wood working to light assembly. With free speeds from 300 to 16,000 rpm we have the right drill for any application, for use with any type of material. The powerful five vane motor makes these drills great for drilling applications that contain ferrous and non-ferrous metals, wood and composite materials. The Signature Series Drills offer great value with a 3 planet gear system for increased life and load capacity. The Sioux tools Signature Series Drill line reduces operator fatigue by offering a low sound level and low vibration solution! Operator comfort is achieved through the implementation of a light weight aluminum housing and a comfort grip. Drills are available in both reverse and non-reverse models and are available in pistol grip, straight, Z-handle and D and T-handles, and offer a variety of chuck and collet size.

Innovative Design

Our exclusive Z-handle models are often the only drills that will get you into those tough, hard to reach spaces, and our miniature aircraft angle drills are designed with small, compact 45° and 90° heads and internal threaded spindles that accept a variety of aircraft precision drill bits.

360˚ Rotation

The SDR10S40N360 has a unique 360° rotating head for applications in hard to reach places or difficult angles.

T-Handles

Our exceptional T-handle drills help reduce stress on the operators back and arms while making short work of any decking application.

Ergonomics

All Sioux Drills offer ergonomic features to provide maximum comfort during operation. Many models include comfortable insulating grips to reduce cold and vibration. We also offer optional support handles for most models.

Drill Maintenance



1. Tipper valve and valve seat is easily accessible for service
2. Slip fit of front end plate bearing allows easy service of the air motor without disturbing the rotor spacing
3. Drop in motor. No alignment necessary (applies to non-reversing drills only)
4. Rotor pinion is case hardened to resist wear
5. Grease zerk makes it easy to grease the gears without disassembly
6. Planetary reduction can be serviced without removing the chuck
7. Planet gear pins are slip fit for ease of assembly and disassembly
8. Ring gear is machined into the motor retainer for ease of assembly and disassembly
9. Interchangeable rotor, cylinder, bearings and end plates. This reduces the number of spare parts tool cribs need to stock

Accessories

Sioux carries an extensive selection of drill accessories, including hole saws and wire brushes.

See the drill accessory section in this catalog for a comprehensive listing.

Drill Safety

Chips can cause eye injury.

Drilling creates chips. Proper eye protection must be worn at all times by tool user and bystanders.

Broken drill bits can cause eye injury.

Proper eye protection must be worn at all times by tool user and bystanders.

Sudden and unexpected tool movement can cause injury.

Be sure your body position allows you to have control of the tool at all times. Make sure your footing is secure.

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.

Drill Principles of Operation

An air motor and reduction gearing are used to drive a spindle / drill chuck, which holds accessories for drilling, reaming, tapping, and hole sawing. Motor size (horsepower), gear ratio, handle style and drive spindle determine the type of tool needed to handle an application.

Drill Uses

Pneumatic drills may first be thought of for drilling holes in wood, metal, or plastic. Drills are used in a wide variety of applications. Each of these applications require the proper tool with the proper horsepower and speed to get the best results. Drilling – cutting a hole in material using a fluted bit. Reaming – opening up or sizing a previously drilled hole or aligning offset holes. Tapping – cutting threads in a drilled hole to accept threaded fasteners.

Where Used

Continuous-duty production drilling

For initial tap operations and thread chasing

Wire brushing and deburring

Screwdriving

Hole sawing

General Maintenance

Considerations for Selecting Drills

What type of material is being drilled?

What size of hole will need to be drilled?

What are your horsepower requirements?

What speed requirements do you have?

Drill Speed Guide

Drill Speed Guide

Material	Surface Ft/Min	Size of Hole to be Drilled							
		1/16 in 1.5 mm	1/8 in 3.0 mm	3/16 in 5.0	1/4 in 6.0 mm	5/16 in 8.0 mm	3/8 in 9.5 mm	7/16 in 11.0 mm	1/2 in 13.0 mm
		Recommended Cutting Speed Range (rpm)							
Steel Alloy, 300-400 Brinnel	20-30	1250-1800	600-900	400-600	300-450	250-350	200-300	175-250	150-225
Stainless Steel, Cast Iron, Hard	30-40	1800-2500	900-1200	600-800	450-600	350-500	300-400	250-350	225-300
Steel Forgings	40-50	2500-3100	1200-1500	800-1000	600-750	500-600	400-500	350-425	300-400
Steel, Tool Annealed, .90-1.20 Carbon	50-60	3100-3700	1500-1800	100-1200	750-900	600-700	500-600	425-525	400-450
Steel, .40-.50 Carbon	70-80	4300-5000	2100-2500	1400-1600	1000-1200	850-1000	700-800	600-700	500-600
Cast Iron, Medium Hard	70-100	4300-6000	2100-3000	1400-2000	1000-1500	850-1200	700-1000	600-900	500-800
Bronze, High Tensile Strength	70-150	4300-9000	2100-4500	1400-3000	1000-2300	850-1200	700-1530	600-1300	500-1200
Malleable Iron	80-90	5000-5500	2500-2800	1600-1800	1200-1400	950-1100	800-900	700-800	600-700
Steel, Mild .20-.30 Carbon	80-110	5000-6700	2500-3400	1600-2300	1200-1700	950-1350	800-1150	700-1000	600-850
Cast Iron, Soft Plastic	100-150	6000-9000	3000-4500	2000-3000	1500-2300	1200-1800	1000-1530	900-1300	800-1200
Aluminum, Brass, Bronze	200-300	12,000-18,000	6000-9000	4000-6000	3000-4500	2400-3700	2000-3000	1700-2600	1500-2300
Magnesium	250-400	15,500-25,000	7500-12,000	5000-8200	3800-6100	3000-4900	2500-4000	2200-3500	1900-3000
Fiberglass, Wood	300-400	18,000-25,000	9000-12,000	6000-8200	4600-6100	3700-4900	3000-4000	2600-3500	2300-3000

Actual drilling or cutting RPM will be approximately 70% of rated spindle speed of tool. Surface Feet Per Minute = .26 x RPM x Drill Diameter in Inches.

PISTOL GRIP DRILLS


SDR4P36N2


SDR6P26N3


SDR5P36N2


SDR10P26N3


SDR10P26NL4


SDR10P26NK3


3P1640

Performance:
Power: 0.4 hp (0.30 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 23,000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)
Non-Reversible

Features:
Rubber Grip

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.4 hp (0.30 kW) – Keyed Chuck												
SDR4P5N2	1/4	6	500	1.7	0.8	6.1	155	0.7	17	20	10	3/8"-24
SDR4P8N2	1/4	6	800	1.7	0.8	6.1	155	0.7	17	20	10	3/8"-24
SDR4P12N2	1/4	6	1200	1.7	0.8	6.1	155	0.7	17	20	10	3/8"-24
SDR4P26N2	1/4	6	2600	1.6	0.7	5.5	140	0.7	16.8	20	10	3/8"-24
SDR4P30N2	1/4	6	3000	1.6	0.7	5.5	140	0.7	16.8	20	10	3/8"-24
SDR4P36N2	1/4	6	3600	1.6	0.7	5.5	140	0.7	16.8	20	10	3/8"-24
SDR4P43N2	1/4	6	4300	1.6	0.7	5.5	140	0.7	16.8	20	10	3/8"-24
SDR4P50N2	1/4	6	5000	1.6	0.7	5.5	140	0.7	16.8	20	10	3/8"-24
0.5 hp (0.37 kW) – Keyed Chuck												
SDR5P5N2	1/4	6	500	1.7	0.8	6.1	155	0.7	16.8	30	14	3/8"-24
SDR5P7N2	1/4	6	700	1.7	0.8	6.1	155	0.7	16.8	30	14	3/8"-24
SDR5P8N2	1/4	6	800	1.7	0.8	6.1	155	0.7	16.8	30	14	3/8"-24
SDR5P12N2	1/4	6	1200	1.7	0.8	6.1	155	0.7	16.8	30	14	3/8"-24
SDR5P26N2	1/4	6	2600	1.5	0.7	5.5	140	0.7	16.8	30	14	3/8"-24
SDR5P30N2	1/4	6	3000	1.5	0.7	5.5	140	0.7	16.8	30	14	3/8"-24
SDR5P36N2	1/4	6	3600	1.5	0.7	5.5	140	0.7	16.8	30	14	3/8"-24
SDR5P43N2	1/4	6	4300	1.5	0.7	5.5	140	0.7	16.8	30	14	3/8"-24
SDR5P50N2	1/4	6	5000	1.5	0.7	5.5	140	0.7	16.8	30	14	3/8"-24
SDR5P230N2	1/4	6	23000	1.3	0.6	4.8	120	0.7	16.8	30	14	3/8"-24
0.60 hp (0.45 kW) – Keyed Chuck												
SDR6P3N2	1/4	6	300	2.1	0.95	6.8	171	0.8	20	25	12	3/8"-24
SDR6P4N3	3/8	10	400	2.7	1.20	7.3	185	0.8	20	25	12	1/2"-20
SDR6P4N4	1/2	13	400	3.1	1.40	7.8	200	0.8	20	25	12	1/2"-20
SDR6P7N3	3/8	10	700	2.7	1.20	7.3	185	0.8	20	25	12	1/2"-20
SDR6P7N4	1/2	13	700	3.1	1.40	7.8	200	0.8	20	25	12	1/2"-20
SDR6P12N3	3/8	10	1200	2.7	1.20	7.3	185	0.8	20	25	12	1/2"-20
SDR6P26N2	1/4	6	2600	2.1	0.95	5.8	145	0.8	20	25	12	3/8"-24
SDR6P26N3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
SDR6P26N4	1/2	13	2600	2.7	1.20	6.6	170	0.8	20	25	12	1/2"-20
SDR6P40N2	1/4	6	4000	2.1	0.95	5.8	145	0.8	20	25	12	3/8"-24
SDR6P40N3	3/8	10	4000	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
SDR6P60N2	1/4	6	6000	2.1	0.95	5.8	145	0.8	20	25	12	3/8"-24
SDR6P60N3	3/8	10	6000	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
0.60 hp (0.45 kW) – Keyless Chuck												
SDR6P7NK3	3/8	10	700	2.7	1.20	7.3	185	0.8	20	25	12	3/8"-24
SDR6P26NK3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
SDR6P40NK3	3/8	10	4000	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
SDR6P60NK3	3/8	10	6000	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
1 hp (0.75 kW) – Keyed Chuck												
SDR10P4N3	3/8	10	400	2.9	1.30	8.0	205	0.8	20	30	14	1/2"-20
SDR10P4N4	1/2	13	400	3.3	1.50	8.5	215	0.8	20	30	14	1/2"-20
SDR10P7N3	3/8	10	700	2.9	1.30	8.0	205	0.8	20	30	14	1/2"-20
SDR10P7N4	1/2	13	700	3.3	1.50	8.5	215	0.8	20	30	14	1/2"-20
SDR10P12N3	3/8	10	1200	2.9	1.30	8.0	205	0.8	20	30	14	1/2"-20
SDR10P12N4	1/2	13	1200	3.3	1.50	8.5	215	0.8	20	30	1/4	1/2"-20
SDR10P16N3	3/8	10	1600	2.9	1.30	8.0	205	0.8	20	30	14	1/2"-20
SDR10P16N4	1/2	13	1600	3.3	1.50	8.5	215	0.8	20	30	1/4	1/2"-20
SDR10P26N2	1/4	6	2600	2.3	1.05	6.5	165	0.8	20	30	14	3/8"-24

WARNING 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

SDR10P26N3	3/8	10	2600	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24
SDR10P26N4	1/2	13	2600	2.9	1.30	7.5	190	0.8	20	30	14	1/2"-20
SDR10P40N2	1/4	6	4000	2.3	1.05	6.5	165	0.8	20	30	14	3/8"-24
SDR10P40N3	3/8	10	4000	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24
SDR10P60N2	1/4	6	6000	2.3	1.05	6.5	165	0.8	20	30	14	3/8"-24
SDR10P60N3	3/8	10	6000	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24
SDR10P180N2	1/4	6	18000	1.85	0.84	5.5	140	0.8	20	30	14	3/8"-24
SDR10P210N2	1/4	6	21000	1.85	0.84	5.5	140	0.8	20	30	14	3/8"-24
1 hp (0.75 kW) – Keyless Chuck												
SDR10P4NK4	1/2	13	400	3.1	1.40	7.8	200	0.8	20	30	14	1/2"-20
SDR10P7NK4	1/2	13	700	3.1	1.40	7.8	200	0.8	20	30	14	1/2"-20
SDR10P12NK3	3/8	10	1200	2.7	1.20	7.3	185	0.8	20	30	14	3/8"-24
SDR10P26NK3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	30	14	3/8"-24
SDR10P26NK4	1/2	13	2600	2.7	1.20	6.6	170	0.8	20	30	14	1/2"-20
SDR10P26NL4	1/2	13	2600	2.7	1.20	6.7	171	0.8	20	30	14	1/2"-20
SDR10P40NK3	3/8	10	4000	2.3	1.05	8.3	210	0.8	19	30	14	3/8"-24
SDR10P60NK3	3/8	10	6000	2.5	1.10	7.0	180	0.8	20	30	14	3/8"-24
1 hp (0.75 kW) – Keyed Chuck												
3P1140[1]	1/2	13	360	5.0	2.30	8.8	224	1.03	26	33	15	1/2"-20
3P1240[1]	1/2	13	650	5.0	2.30	8.8	224	1.03	26	33	15	1/2"-20
3P1340[1]	1/2	13	1000	5.0	2.30	8.8	224	1.03	26	33	15	1/2"-20
3P1430[1]	3/8	10	1400	5.0	2.30	8.8	224	1.03	26	33	15	1/2"-20
3P1530[1]	3/8	10	2150	4.3	2.00	7.5	190	1.03	26	33	15	1/2"-20
3P1540[1]	1/2	13	2150	4.3	2.00	7.5	190	1.03	26	33	15	1/2"-20
3P1640[1]	1/2	13	2650	4.3	2.00	7.5	190	1.03	26	33	15	1/2"-20

[1] Not CE Compliant

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 • 3-jaw Chuck and Key • Comfort Grip

Accessories: Drill Accessories, see page 19

PISTOL GRIP DRILLS



SDR4P3R2



SDR5P24R2



SDR10P25R3



3P2340



SDR10P20RK3

Performance:

Power: 0.4 hp (0.30 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 4,000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

Features:

Rubber Grip

Reversible

CE

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.4 hp (0.30 kW) – Keyed Chuck												
SDR4P3R2	1/4	6	300	1.8	0.8	6.4	165	0.7	17	20	10	3/8"-24
SDR4P5R2	1/4	6	500	1.8	0.8	6.4	165	0.7	17	20	10	3/8"-24
SDR4P8R2	1/4	6	800	1.8	0.8	6.4	165	0.7	17	20	10	3/8"-24
SDR4P18R2	1/4	6	1800	1.6	0.7	5.8	150	0.7	16.8	20	10	3/8"-24
SDR4P20R2	1/4	6	2000	1.6	0.7	5.8	150	0.7	16.8	20	10	3/8"-24
SDR4P24R2	1/4	6	2400	1.6	0.7	5.8	150	0.7	16.8	20	10	3/8"-24
SDR4P30R2	1/4	6	3000	1.6	0.7	5.8	150	0.7	16.8	20	10	3/8"-24
SDR4P33R2	1/4	6	3300	1.6	0.7	5.8	150	0.7	16.8	20	10	3/8"-24
0.5 hp (0.37 kW) – Keyed Chuck												
SDR5P3R2	1/4	6	300	1.7	0.8	6.4	165	0.7	16.8	30	14	3/8"-24
SDR5P5R2	1/4	6	500	1.7	0.8	6.4	165	0.7	16.8	30	14	3/8"-24
SDR5P8R2	1/4	6	800	1.7	0.8	6.4	165	0.7	16.8	30	14	3/8"-24
SDR5P18R2	1/4	6	1800	1.5	0.7	5.8	150	0.7	16.8	30	14	3/8"-24
SDR5P20R2	1/4	6	2000	1.5	0.7	5.8	150	0.7	16.8	30	14	3/8"-24
SDR5P24R2	1/4	6	2400	1.5	0.7	5.8	150	0.7	16.8	30	14	3/8"-24
SDR5P30R2	1/4	6	3000	1.5	0.7	5.8	150	0.7	16.8	30	14	3/8"-24
SDR5P33R2	1/4	6	3300	1.5	0.7	5.8	150	0.7	16.8	30	14	3/8"-24

1 hp (0.75 kW) – Keyed Chuck												
SDR10P3R3	3/8	10	300	3.1	1.40	8.6	220	0.8	20	30	14	1/2"-20
SDR10P3R4	1/2	13	300	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P5R3	3/8	10	500	3.1	1.40	8.6	220	0.8	20	30	14	1/2"-20
SDR10P5R4	1/2	13	500	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P7R3	3/8	10	700	3.1	1.40	8.6	220	0.8	20	30	14	1/2"-20
SDR10P7R4	1/2	13	700	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P12R3	3/8	10	1200	3.1	1.40	8.6	220	0.8	20	30	14	1/2"-20
SDR10P12R4	1/2	13	1200	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P20R2	1/4	6	2000	2.4	1.10	7.1	180	0.8	20	30	14	3/8"-24
SDR10P20R3	3/8	10	2000	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
SDR10P20R4	1/2	13	2000	3.0	1.35	7.9	200	0.8	20	30	14	1/2"-20
SDR10P25R3	3/8	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
SDR10P40R2	1/4	6	4000	2.4	1.10	7.1	180	0.8	20	30	14	3/8"-24
SDR10P40R3	3/8	10	4000	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
1 hp (0.75 kW) – Keyless Chuck												
SDR10P3RK4	1/2	13	300	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P5RK4	1/2	13	500	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P7RK4	1/2	13	700	3.6	1.60	9.1	241	0.8	20	30	14	1/2"-20
SDR10P12RK4	1/2	13	1200	3.6	1.60	9.1	230	0.8	20	30	14	1/2"-20
SDR10P20RK3	3/8	10	2000	2.6	1.20	7.6	195	0.8	20	30	14	3/8"-24
SDR10P20RK4	1/2	13	2000	3.0	1.35	8.0	205	0.8	20	30	14	1/2"-20
SDR10P25RK3	3/8	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
SDR10P40RK3	3/8	10	4000	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
0.80 hp (0.60 kW) – Keyed Chuck												
3P2140[1]	1/2	13	300	5.0	2.30	8.8	224	1-1/32	26	33	15	1/2"-20
DR3P2240[1]	1/2	13	550	5.0	2.30	8.8	224	1-1/32	26	33	15	1/2"-20
3P2340[1]	1/2	13	850	5.0	2.30	8.8	224	1-1/32	26	33	15	1/2"-20

[1] Not CE Compliant

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 • 3-jaw Chuck and Key • Comfort Grip

Accessories: Drill Accessories, see page 19

RAPID REVERSE DRILLS

Performance:

Power: 0.60 hp (0.15 kW) – 1 hp (0.75 kW)
Speed Range: 500 rpm – 2,500 rpm
Chuck Capacity: 3/8" (10 mm) – 1/2" (13 mm)

Features:

Rubber Grip



SDR6P20R3RR



SDR10P20RK3R



SDR10P20R3RR



SDR10P25R4RR

Rapid Reverse

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.60 hp (0.45 kW) – Keyed Chuck												
SDR6P20R3RR	3/8	10	2000	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
SDR6P25R3RR	3/8	10	2500	2.3	1.00	6.3	160	0.8	20	25	12	3/8"-24
0.60 hp (0.45 kW) – Keyless Chuck												
SDR6P7RK4RR	1/2	13	700	3.0	1.36	8.8	224	0.8	20	25	12	1/2"-20
SDR6P20RK3RR	3/8	10	2000	2.4	1.25	7.9	200	0.8	20	25	12	3/8"-24
SDR6P20RK4RR	1/2	13	2000	2.7	1.20	8.3	210	0.8	20	25	12	1/2"-20
SDR6P25RK3RR	3/8	10	2500	2.4	1.25	7.9	200	0.8	20	25	12	3/8"-24
SDR6P25RK4RR	1/2	13	2500	2.7	1.20	8.3	210	0.8	20	25	12	1/2"-20
1 hp (0.75 kW) – Keyed Chuck												
SDR10P5R4RR	1/2	13	500	3.6	1.63	8.8	224	0.8	20	30	14	1/2"-20
SDR10P25R4RR	1/2	13	2500	3.0	1.36	7.9	200	0.8	20	30	14	1/2"-20
SDR10P20R3RR	3/8	10	2000	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
SDR10P25R3RR	3/8	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24

WARNING 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

1 hp (0.75 kW) – Keyless Chuck												
SDR10P7RK4R	1/2	13	700	3.1	1.40	9.5	241	0.8	20	30	14	1/2"-20
SDR10P20RK3R	3/8	10	2000	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
SDR10P20RK4R	1/2	13	2000	2.8	1.27	7.6	195	0.8	20	30	14	1/2"-20
SDR10P25RK3R	3/8	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	3/8"-24
SDR10P25RK4R	1/2	13	2500	2.8	1.27	7.6	195	0.8	20	30	14	1/2"-20

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 • 3-jaw Chuck and Key • Comfort Grip
Accessories: Drill Accessories, see page 19

STRAIGHT DRILLS



1420



SDR10S26N3



SDR10S25R3

Performance:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 21,000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

Features:

Reversible and Non-Reversible
Lever Start
Rubber Grip (1420, DR1422)

Straight Drills

CE

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.33 hp (0.25 kW) – Non-reversible												
1420	1/4	6	2600	1.2	0.54	8.0	203	0.6	15	12	6	3/8"-24
DR1422	1/4	6	3600	1.2	0.54	8.0	203	0.6	15	12	6	3/8"-24
1 hp (0.75 kW) – Non-reversible												
SDR10S4N3	3/8	10	400	2.8	1.25	9.3	236	0.8	20	30	14	1/2"-20
SDR10S4N4	1/2	13	400	2.8	1.25	9.3	236	0.8	20	30	14	1/2"-20
SDR10S7N3	3/8	10	700	2.8	1.25	9.3	236	0.8	20	30	14	1/2"-20
SDR10S12N3	3/8	10	1200	2.8	1.25	9.3	236	0.8	20	30	14	1/2"-20
SDR10S16N3	3/8	10	1600	2.8	1.25	9.3	236	0.8	20	30	14	1/2"-20
SDR10S26N2	1/4	6	2600	2.3	1.05	8.3	211	0.8	20	30	14	3/8"-24
SDR10S26N3	3/8	10	2600	2.3	1.05	8.3	211	0.8	20	30	14	3/8"-24
SDR10S40N2	1/4	6	4000	2.3	1.05	8.3	211	0.8	20	30	14	3/8"-24
SDR10S40N3	3/8	10	4000	2.3	1.05	8.3	211	0.8	20	30	14	3/8"-24
SDR10S60N2	1/4	6	6000	2.3	1.05	8.3	211	0.8	20	30	14	3/8"-24
SDR10S60N3	3/8	10	6000	2.3	1.05	8.3	211	0.8	20	30	14	3/8"-24
SDR10S180N2	1/4	6	18000	1.85	0.84	7.3	185	0.8	20	30	14	3/8"-24
SDR10S210N2	1/4	6	21000	1.85	0.84	7.3	185	0.8	20	30	14	3/8"-24
1 hp (0.75 kW) – Reversible												
SDR10S3R3	3/8	10	300	2.8	1.25	10.8	273	0.8	20	30	14	1/2"-20
SDR10S3R4	1/2	13	300	3.2	1.45	11.3	285	0.8	20	30	14	1/2"-20
SDR10S5R3	3/8	10	500	2.8	1.25	10.8	273	0.8	20	30	14	1/2"-20
SDR10S5R4	1/2	13	500	3.2	1.45	11.3	285	0.8	20	30	14	1/2"-20
SDR10S7R3	3/8	10	700	2.8	1.25	10.8	273	0.8	20	30	14	1/2"-20
SDR10S7R4	1/2	13	700	3.2	1.45	11.3	285	0.8	20	30	14	1/2"-20
SDR10S12R3	3/8	10	1200	2.8	1.25	10.8	273	0.8	20	30	14	1/2"-20
SDR10S12R4	1/2	13	1200	3.2	1.45	11.3	285	0.8	20	30	14	1/2"-20
SDR10S20R2	1/4	6	2000	2.2	1.00	9.3	235	0.8	20	30	14	3/8"-24
SDR10S20R3	3/8	10	2000	2.3	1.05	9.8	248	0.8	20	30	14	3/8"-24
SDR10S20R4	1/2	10	2000	2.8	1.25	10.3	260	0.8	20	30	14	1/2"-20
SDR10S25R2	1/4	6	2500	2.2	1.00	9.3	235	0.8	20	30	14	3/8"-24
SDR10S25R3	3/8	10	2500	2.3	1.05	9.8	248	0.8	20	30	14	3/8"-24
SDR10S40R2	1/4	6	4000	2.2	1.00	9.3	235	0.8	20	30	14	3/8"-24
SDR10S40R3	3/8	10	4000	2.3	1.05	9.8	243	0.8	20	30	14	3/8"-24

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment:
Parts List • Safety and Instruction Manual • Suspension Bail • 3-jaw Chuck and Key • Comfort Grip
Accessories:
Drill Accessories, see page 19

⚠ WARNING 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

MINIATURE ANGLE DRILLS



1AML1451



1AM1541



1AM1141-51K



SDR10AH35



1AM1551

Performance:

Power: 0.33 hp (0.25 kW) – 1 hp (0.75 kW)
Speed Range: 800 rpm – 3,500 rpm

Features:

Non-Reversible
Lever Start
45˚ or 90˚ Miniature Angle Heads (except SDR10S40N360)
180˚ Adjustable Rotating Head (SDR10S40N360)

CE

Miniature Angle Drills

Model Number	Free Speed	Weight		Length		Side To Center		Maximum Air Consumption	
	rpm	lb	kg	in	mm	in	mm	cfm	l/s
45˚ Angle Head – 0.33 hp (0.25 kW) - 1/4"-28 Internal Thread Spindle									
1AM1441	2200	1.5	0.7	10.2	259	0.3	8	12	6
1AM1541	2800	1.5	0.7	10.2	259	0.3	8	12	6
1AML1541 (with Lever Lock)	2800	1.5	0.7	10.2	259	0.3	8	12	6
90˚ Angle Head – 0.33 hp (0.25 kW) – 1/4"-28 Internal Thread Spindle									
1AM1151	800	1.8	0.80	11.5	292	0.3	8	12	6
1AM1451	2200	1.5	0.7	9.7	246	0.3	8	12	6
1AML1451 (with Lever Lock)	2200	1.5	0.7	9.7	246	0.3	8	12	6
1AM1551	2800	1.5	0.7	9.7	246	0.3	8	12	6
1AML1551 (with Lever Lock)	2800	1.5	0.7	9.7	246	0.3	8	12	6
90˚ Angle Head – 0.33 hp (0.25 kW) – 9/32"-40 Internal Thread Spindle									
1AM1452	2200	1.5	0.7	9.7	246	0.3	8	12	6
1AM1552	2800	1.5	0.7	9.7	246	0.3	8	12	6
Sealant Removal Tool Kit									
1AM1141/51K	800	1.8	0.80	11.5	292	0.3	8	12	6
Includes 1AM1151 (90˚ Angle Drill) and 65213 (45˚ Angle Drill Head Assembly)									
1AM1141SRK	800	1.8	0.80	11.5	292	0.3	8	12	6
Includes 1AM1141 (45˚ Angle Drill)									
1AM1151SRK	800	1.8	0.80	11.5	292	0.3	8	12	6
Includes 1AM1151 (90˚ Angle Drill)									
90˚ Angle Head – 1 hp (0.75 kW) – 1/4"-28 Internal Thread Spindle									
SDR10AH35	3500	2.4	1.09	11.4	290	0.8	20	30	14

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:
Drill Accessories, see page 19

Sealant Removal Cutters

Sioux Part Number	Description
SR40	#3 (0.40") SR Cutter
SR83	#8 (0.83") SR Cutter

Sold in case of 40



SR40



SR83

WARNING 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

LARGE ANGLE DRILLS

Performance:

Power: 0.80 hp (0.60 kW) – 1 hp (0.75 kW)
Speed Range: 300 rpm – 3,000 rpm
Chuck Capacity: 1/4" (6 mm) – 1/2" (13 mm)

Features:

Reversible and Non-Reversible
Lever Start
Heads can be rotated 360˚
Rear or Side Exhaust



3A2340



SDR10A20R3



3A1240

Right Angle Drills

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.80 hp (0.60 kW) – Reversible – Side Exhaust[1]												
3A2140[1]	1/2	13	300	6.9	3.10	15.5	394	0.8	19	33	16	1/2"-20
3A2240[1]	1/2	13	480	6.9	3.10	15.5	394	0.8	19	33	16	1/2"-20
3A2340[1]	1/2	13	700	6.9	3.10	15.5	394	0.8	19	33	16	1/2"-20
3A2430[1]	3/8	10	1000	6.3	2.90	15.4	391	0.8	19	33	16	1/2"-20
1 hp (0.75 kW) – Reversible												
SDR10A3R3	3/8	10	300	3.3	1.50	12.0	305	0.8	19	30	14	3/8"-24
SDR10A3R4	1/2	13	300	3.7	1.65	12.0	305	0.8	19	30	14	3/8"-24
SDR10A6R3	3/8	10	600	3.3	1.50	12.0	305	0.8	19	30	14	3/8"-24
SDR10A6R4	1/2	13	600	3.7	1.65	12.0	305	0.8	19	30	14	3/8"-24
SDR10A10R3	3/8	10	1000	3.3	1.50	12.0	305	0.8	19	30	14	3/8"-24
SDR10A10R4	1/2	13	1000	3.7	1.65	12.0	305	0.8	19	30	14	3/8"-24
SDR10A16R2	1/4	6	1600	3.2	1.40	12.0	305	0.8	19	30	14	3/8"-24
SDR10A16R3	3/8	10	1600	3.3	1.50	12.0	305	0.8	19	30	14	3/8"-24
SDR10A20R2	1/4	6	2000	2.9	1.30	11.0	280	0.8	19	30	14	3/8"-24
SDR10A20R3	3/8	10	2000	3.0	1.35	11.0	280	0.8	19	30	14	3/8"-24
1 hp (0.75 kW) – Non-Reversible												
SDR10A4N3	3/8	10	400	3.3	1.50	11.2	285	0.8	19	30	14	3/8"-24
SDR10A4N4	1/2	13	400	3.7	1.65	11.2	285	0.8	19	30	14	3/8"-24
SDR10A10N3	3/8	10	1000	3.3	1.50	11.2	285	0.8	19	30	14	3/8"-24
SDR10A10N4	1/2	13	1000	3.7	1.65	11.2	285	0.8	19	30	14	3/8"-24
SDR10A13N2	1/4	6	1300	3.2	1.40	11.2	285	0.8	19	30	14	3/8"-24
SDR10A13N3	3/8	10	1300	3.3	1.50	11.2	285	0.8	19	30	14	3/8"-24
SDR10A22N2	1/4	6	2200	2.9	1.30	10.2	260	0.8	19	30	14	3/8"-24
SDR10A22N3	3/8	10	2200	3.0	1.35	10.2	260	0.8	19	30	14	3/8"-24
SDR10A30N2	1/4	6	3000	2.9	1.30	10.2	260	0.8	19	30	14	3/8"-24
1 hp (0.75 kW) – Non-reversible – Side Exhaust[1]												
3A1140[1]	1/2	13	360	6.5	2.90	15.1	384	0.8	19	33	16	1/2"-20
3A1240[1]	1/2	13	600	6.5	2.90	15.1	384	0.8	19	33	16	1/2"-20
3A1530	3/8	10	1800	6.5	2.90	15.1	384	0.8	19	33	16	1/2"-20

[1] Not 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 • 3-jaw Chuck and Key
Accessories: Drill Accessories, see page 19

D-HANDLE DRILLS

Performance:

Power: 1 hp (0.75 kW)
Speed Range: 375 rpm – 2,000 rpm
Chuck Capacity: 3/8" (10 mm) – 1/2" (13 mm)

Features:

Side Exhaust
Support Handle Included
Swivel Air Inlet



1465

D-Handle Drills

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
"D" Handle Drill – 1 hp (0.75 kW) – Non-Reversible												
DR1467	1/2	13	375	6.6	3	13.4	340	1	25	30	14	1/2"-20
1466	1/2	13	550	6.6	3	13.4	340	1	25	30	14	1/2"-20
1465-1/2	1/2	13	1000	6.6	3	13.4	340	1	25	30	14	1/2"-20
1464	1/2	13	2000	6.6	3	13.4	340	1	25	30	14	1/2"-20
1465	3/8	10	1000	6.6	3	13.3	338	1	25	30	14	1/2"-20

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 • 3-jaw Chuck and Key • Swivel Air Inlet
Accessories: Drill Accessories, see page 19

T-HANDLE DRILLS



SDR10T26N4



3T1630

Performance:

Power: 1 hp (0.75 kW)
Speed Range: 360 rpm – 4,000 rpm
Chuck Capacity: 3/8" (10 mm) – 1/2" (13 mm)

Features:

Lever Start
Handle Grips

T-Handle Drills

Model Number	Chuck Capacity		Free Speed	Weight		Length		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	cfm	l/s	
Signature Series – 1 hp (0.75 kW) – Non-reversible										
SDR10T4N4	1/2	13	400	6.3	2.9	36	914	35	17	1/2"-20
SDR10T7N4	1/2	13	700	6.3	2.9	36	914	35	17	1/2"-20
SDR10T12N4	1/2	13	1200	6.3	2.9	36	914	35	17	1/2"-20
SDR10T16N4	1/2	13	1600	6.3	2.9	36	914	35	17	1/2"-20
SDR10T26N3	3/8	10	2600	5.6	2.5	36	914	35	17	3/8"-24
SDR10T26N4	1/2	13	2600	5.9	2.7	36	914	35	17	1/2"-20
SDR10T40N3	3/8	10	4000	5.6	2.5	36	914	35	17	3/8"-20
3 - Series – 1 hp (0.75 kW) – Non-reversible										
3T1140	1/2	13	360	7.6	3.5	35	889	35	17	1/2"-20
3T1340	1/2	13	1000	7.6	3.5	35	889	35	17	1/2"-20
3T1530	3/8	10	2150	7.3	3.3	35	889	35	17	1/2"-20
3T1630	3/8	10	2650	7.3	3.3	35	889	35	17	1/2"-20
3T1640	1/2	13	2650	7.4	3.4	35	889	35	17	1/2"-20

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 • 3-jaw Chuck and Key • Comfort Grip
Accessories: Drill Accessories, see page 19

Z-HANDLE DRILLS



2S1310



2S2130

Performance:

Power: 0.33 hp (0.25 kW) – 0.50 hp (0.37 kW)
Speed Range: 1,000 rpm – 2,200 rpm
Chuck Capacity: 1/4" (6 mm) – 3/8" (10 mm)

Features:

Reversible and Non-Reversible
Lever Start
Rear Exhaust
Suspension Bail

Z-Handle Drills

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Spindle Thread
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
Non-reversible – 0.50 hp (0.37 kW)												
2S1310	1/4	6	2200	2.6	1.2	3.5	89	1	25	18	8	3/8"-24
2S1330	3/8	10	2200	2.7	1.2	3.8	97	1	25	18	8	3/8"-24
Reversible – 0.33 hp (0.25 kW)												
2S2110	1/4	6	1000	2.6	1.2	3.5	89	1	25	16	8	3/8"-24
2S2130	3/8	10	1000	2.7	1.2	3.8	97	1	25	16	8	3/8"-24
2S2230	3/8	10	1600	2.7	1.2	3.8	97	1	25	16	8	3/8"-24
2S2310	1/4	6	2200	2.6	1.2	3.5	89	1	25	16	8	3/8"-24
2S2330	3/8	10	2200	2.7	1.2	3.8	97	1	25	16	8	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 • 3-jaw Chuck and Key • Suspension Bail
Accessories: Drill Accessories, see page 19

WARNING 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

Drill Chucks & Keys



SP21019T



SP21019B



SP21133



SP21132



SP21002



SP21131



SP21137



SP67398



SP67397



74375



69005



69006

Chuck Capacity	Thread Size	Chuck Part No	Key Part No	Key Holder No
0 – 1/4"	3/8"-24	SP21019T	30202	
0 – 1/4"	3/8"-24	SP21019B	30000	
1/16" – 3/8"	3/8"-24	SP21133	30002	14273
5/64" – 1/2"	3/8"-24	SP21132	30429	
0 – 3/8"	1/2"-20	SP21002	30011	14273
1/16" – 3/8"	1/2"-20	SP21131	30002	
5/64" – 1/2"	1/2"-20	SP21137	30011	14273
0" – 1/2"	1/2"-20	SP74222	30429	
1/32" – 3/8"[1]	3/8"-24	SP67398		
1/16" – 1/2"[1]	1/2"-20	SP67397		
0 – 1/4"	3/8"-24	74375		
0 – 3/8"[1]	3/8"-24	69005		
0 – 1/2"[1]	1/2"-20	69006		

[1]Keyless Chuck • Keyed chucks include key

Quick Change Chuck

Part No 2352

Adapts 3/8"-24 threaded spindles to 1/4" hex quick change

Non-Reversing Only



Sealant Removal Cutters



SR40



SR83

Sioux Part Number	Description
SR40	#3 (0.40") SR Cutter
SR83	#8 (0.83") SR Cutter
Sold in case of 40	

Support Handles



2355B



77067A

Sioux Part Number	Description
2355B	For use on ES, 2L, 3P series drills
77117A	For use on 4P, 5P series drills
77067A	6P, 10P series drills

Comfort Grips

For use on #1 series straight drills



66124

For use on SDR4P pistol grip drills



68340

For use on Signature series drills



SDR6PNBOOT / SDR10PNBOOT

ASSEMBLY



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ASSEMBLY

Combining Efficiency, Reliability and Value…

Putting it all together

To keep up with the rapidly growing demands of modern assembly applications, Sioux Tools remains on the cutting edge of engineering design. We continue to be innovative in creating new tools to provide faster rundown speeds with exceptional accuracy and consistent torque delivery, combined with ergonomic design for operator comfort and safety.

We build every tool to help assembly operators become more productive. We believe they deserve tools that will help improve their quality of performance and maximize the skills they bring to the job.

Exclusive Designs

Sioux Tools is the exclusive manufacturer of the Z-handle. This unique feature allows access to tight, hard to reach angles.

Impact Wrenches

Suitable for general assembly, repair jobs etc. When you require a powerful, lightweight tool, with little reaction force and moderate accuracy. This is the best choice for loosening joints.

Screwdrivers

Sioux Tools offers a wide range of screwdrivers designed to meet today's fast paced, high output assembly and manufacturing applications.

Nutrunners

Sioux offers nutrunners that are designed for high volume industrial production. You can choose from free speeds of up to 2200 rpm, and a torque range of up to 600 in lb (68 Nm). These are outstanding tools for fast accurate assembly.

Assembly Safety

Broken sockets, bits and adapters can cause injury.

Proper eye protection must be worn at all times by tool user and bystanders. Use only sockets, bits and adapters made for power tools and that are in good condition. Use only bits and adapters that are in good condition. Keep hands away from sockets, bits and adapters.

Sudden and unexpected tool movement can cause injury.

Be sure your body position allows you to have control of the tool at all times. Make sure your footing is secure. Consult manufacturer for proper reaction bar if movement is excessive.

Tools starting unexpectedly can cause injury.

Always remove the 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.

Falling tools can cause injury.

If the tool is used with a balancer or other suspension device, be sure the tool is firmly attached to the device.

Assembly Principles of Operation

An air motor and planetary reduction gearing are used to drive a clutch spindle, producing torque in a fastener.

The action of the torque creates clamp-load in the assembly.

Motor size (horsepower), gear ratio, and type of clutch determine performance, and are key factors in selecting the appropriate tool for a given application.

Generally equipped with a 1/4" female hexagon spindle that allows inserting a screwdriver bit.

An Easy Drive Home





Sioux Tools offers a wide range of screwdrivers and nutrunners designed to meet today's fast paced, high output assembly and manufacturing applications. Sioux Tools is able to provide a perfect match for any job requirement. As industries strive to reduce fastener requirements, we work to meet the demand for greater accuracy and precision in fastening performance. The productivity demands for quality and speed, as well as user comfort, convenience and safety make Sioux Tools your number one choice.

Configurations

Sioux screwdrivers are available in pistol grip, inline, right angle and our exclusive Z-handle configurations. Most screwdriver models offer your choice of Quick Change or Locking Internal Hex spindles. The spring-loaded chuck on the Quick Change allows for fast, easy bit changes without the need for additional tools or hardware. The slimmer design of the Locking Internal Hex ensures that the bit stays firmly in place until you choose to remove it with the aid of a vise or pliers.

Reducing Physical Load

We design all our screwdrivers with ergonomics in mind. We help you get the job done with a minimum amount of effort and wear and tear on the operator. By reducing the physical load on the operator, which includes noise and oil mist, productivity will be improved. Sioux Tools offers many benefits including high torque accuracy, low sound levels and ergonomic grips. Fast clutch shutoff reduces reaction force, while the shape reduces the amount of gripping and trigger force required.

Clutch Selection

Positive Clutch – Spindle will not turn with motor until operator exerts forward pressure on spindle engaging the clutch. The clutch ratchets when torque resistance from the fastener overcomes the forward pressure and the jaws begin to cam apart. Torque output of the tool is determined by forward pressure from operator and by the cam angle of the clutch jaws. For wood, sheet metal, and machine screws and lag bolts.

Sioux Tools is the exclusive manufacturer of three different positive clutches; Low, Mid and High torque output. Your choice of clutch allows you to more precisely control the amount of torque exerted on the fastener.

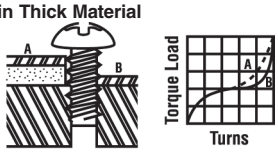
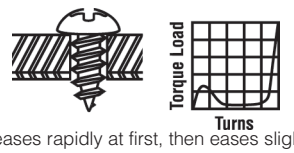
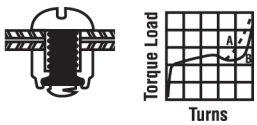
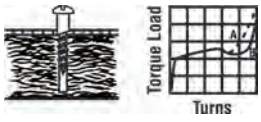
Stall Drive – Spindle is coupled directly with the output of the motor. Final torque is reached when resistance of the fastener overcomes the torque output of the motor. Final torque can be influenced by air pressure and/or operator twisting the tool. For prevailing torque or soft pull applications involving machine, wood, or self-tapping screws.

Adjustable Clutch – Spindle will not turn with motor until operator exerts forward pressure on spindle engaging the clutch. When fastener is tight, clutch will ratchet. Adjusting spring pressure will effect final output torque. Offers consistent torque control with little operator reaction.

Torque Control – Motor shuts off automatically when fastener is tight. Adjusting spring pressure changes final output torque for critical torque requirements. Perfect for applications with little or no prevailing torque where final torque is substantially higher than rundown torque.

Direct Clutch – Spindle will not turn with motor until operator exerts forward pressure on spindle engaging the clutch. Final torque is reached when resistance of the fastener overcomes the torque output of the motor. Excellent stall type tool when tightening group of fasteners without turning off motor.

Clutch Selection Guide

Type of Job	Clutch Performance			
	Torque Control	Adjustable	Direct/Stall Drive	Positive Clutch
1. Free-Running – Sudden Stop  Turns easily until screw head or nut seats against a solid stop. Resistance then builds up suddenly.	Excellent for all size screws.	Good for all size screws. Close torque control is not required.	Good for large or medium nuts or cap screws only.	Fair for all size screws where close torque accuracy is not required.
2. Soft Pull-Up  Turns easily until screw head or nut seats, then resistance builds up gradually through one or more turns as resilient material compressed.	Excellent for all size screws.	Good for most screws. Close torque control is not required. Slow on large screws with long pull-up.	Good for large and medium size screws. Must be adjusted to run rather slowly for small screws.	Good for small to medium size screws. Requires considerable operator pressure on large screws.
3. Self-Tapping in Thick Material  Increasing heavy resistance through entire travel until screw head seats. Then either (A) gradual, or (B) sudden final build-up resistance.	Excellent for all size screws. Not suitable if tapping torque exceeds stripping torque.	Good for most screws. With proper operator technique, can be used where tapping torque exceeds stripping torque. Slow on large screws.	Not recommended unless stripping torque is considerably higher than tapping torque.	Good for most size screws where stripping torque is considerably higher than tapping torque. Excellent in non-uniform or misaligned material.
4. Sheet Metal Screws  Resistance increases rapidly at first, then eases slightly.At the end, it usually builds up suddenly when screw head seats.	Good for all size screws. Not suitable if tapping torque exceeds stripping torque.	Good for most screws. With proper operator technique, can be used where tapping torque exceeds stripping torque.	Not recommended unless stripping torque is considerably higher than tapping torque.	Good for all size screws where stripping torque is considerably higher than tapping torque. Excellent when sheets are frequently misaligned.
5. Lock Nuts  Starts with heavy resistance that last through entire travel until screw or nut seats. Then either (A) gradual, or (B) sudden further build-up resistance.	Excellent for all size screws.	Good for most screws. Close torque control is not required.	Good for large and medium screws. Must be adjusted to run rather slowly for small screws.	Fair for all size screws.
6. Wood Screws  Starts with small resistance that steadily increases through entire travel with additional resistance as screw head seats.	Fair for all size screws.	Good for all size screws.	Excellent for large and medium screws. Must be adjusted to run rather slowly for small screws.	Excellent for all size screws.

Tool Selection Guide

Considerations for Selecting Screwdrivers

This should be done in a systematic way to ensure no details are overlooked that could have an adverse affect on job function or results. The following are variables that must be considered to ensure proper tool selection.

What is being assembled?

What material is involved?

What type of screw or nut is being driven? What head type?

What screw size (standard or metric)?

What U.S. grade or metric class?

What torque (inch pounds or Newton meters)?

What torque tolerance (accuracy)?

What is the run-down torque vs. seating torque?

What type of joint pull-up (hard, medium, soft)?

What pull-up conditions (free run-down, sheet metal, wood, or plastic)?

What is the production rate?

Are there clearance problems?

What handle style is required (straight or pistol)?

Is the tool to be hand held or fixtured?

What type of clutch?

Speed required?

Is there a need for a reversible tool?

What type of drive (square, 1/4" hex, quick change)?

How is the application being done now?

Special consideration?

What is the size and type of screw or fastener on which the tool will be used?

No 1 Series Tools – 2 to 50 in lb of torque. (Fasteners up to 1/4")

.6 & 1 HP Signature Series Tools – 5 to 400 in lbs of torque. (Fasteners up to 3/8")

No 3 Series Tools – 5 to 50 ft lbs of torque. (Fasteners up to 1/2")

What kind of application and material will the fastener be used on?

The type of material helps to determine which type of clutch is needed.

Application & Material Guide

Screw Size	Clutch	Free Run Down	Soft Pull-Up	Prevailing Torque
No 8 and Smaller				
	Adjustable	Excellent	Excellent	Excellent
	Stall	Excellent	Good	Excellent
	Direct	Good	Good	Good
	Positive	Fair	Fair	Good
No 10 and Larger				
	Adjustable	Good	Fair	Fair
	Stall	Good	Excellent	Excellent
	Direct	Good	Excellent	Excellent
	Positive “P”	Good	Excellent	Excellent
	Positive “PS”	Good	Excellent	Excellent

What are the torque requirements?

Most air tools share the quality: as the speed increases, the torque decreases. This applies to tools within the same horsepower rating.

A. Stall or direct clutch gives the most torque.

B. Positive clutch tools are operator influenced.

C. Adjustable torque clutches are available on most Sioux fastening tools.

D. Torque control is available on No 1

At what angle or position will the tool be used?

This will determine the style of tool best suited from an ergonomics point of view.

A. If the fastener is in a vertical position, a straight or lever style tool will be best.

B. If the fastener is in a horizontal position a pistol style tool will be best.

C. If the fastener is in a tight or constricted area the “2S” series works well in this application.

Is reversing necessary?

Most fastening applications are going to require a reversible tool. Keep in mind that in most cases a non-reversing tool will have more torque than a reversible tool.

Is the application operator influenced or restricted?

A. Is the operator male or female? This can be a factor in determining the size of the power tool (weight for example).

B. Does the application lend itself to an auto start tool, as in the No 1 series?

An example of applying these questions to an application would be:

Driving a 2" long wood screw into hardwood with a pilot hole. The fastener is in a horizontal position during assembly. A test with a hand torque wrench indicates a prevailing torque of 80 in lbs, and a failing torque of 120 in lbs.

1. 2" long wood screw

2. Hard Wood use positive clutch

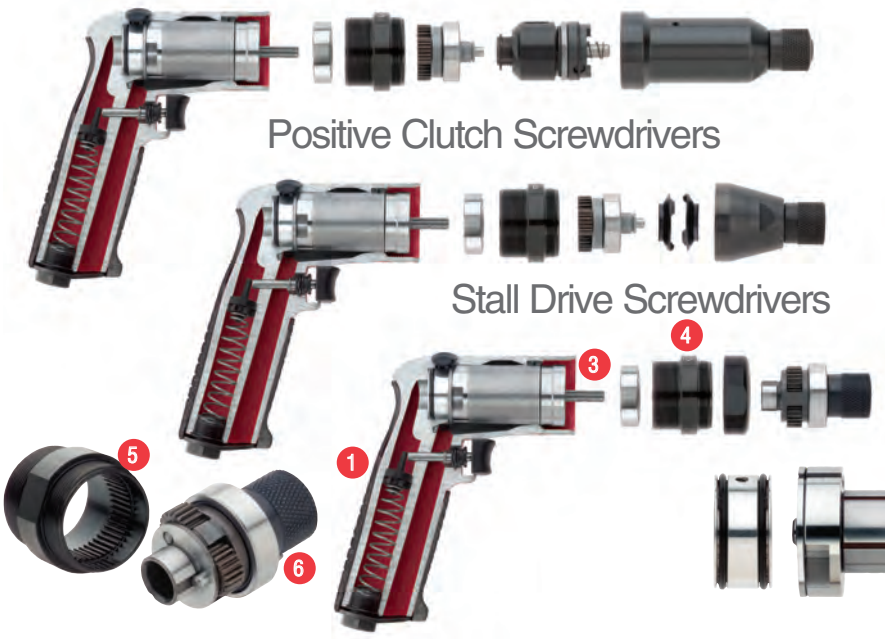
3. SSD10P20PS – 100 in lbs

4. Pistol will work best

5. Need reversing

6. Mostly male workers

Screwdriver Maintenance



1. Tipper valve and valve seat is easily accessible for service
2. Slip fit of front end plate bearing allows easy service of the air motor without disturbing the rotor spacing
3. Rotor pinion is case hardened to resist wear
4. Grease zerk makes it easy to grease the gears without disassembly
5. Ring gear is machined into the motor retainer for ease of assembly and disassembly
6. Planet gear pins are slip fit for ease of assembly and disassembly
7. Interchangeable rotor, cylinder, bearings and end plates. This reduces the number of spare parts tool cribs need to stock

Guide to Fasteners

Guide To Fasteners

Screw Type	Standard Nosepieces Available For All Fasteners Shown Below
Wood Screws	*flat head* · *round head* · *oval head*
Machine Screws * Standard or Special, depending on the washer diameter.	*round head* · *flat head* · *fillister head* · *oval head* *truss head* · *binding head* · *washer head** · *pan head* *flat side binding head* · *fillister pan head* · *flat fillister head* · *undercut flat head* *knob screw head* · *lentil head* · *Jackson head* · *undercut oval head*
Tapping or Sheet Metal Screws	*round head* · *flat head* · *oval head* · *pan head* · *truss head*
Drive Systems * Special bits required for Clutch and Torx internal and external. Call factory.	**Standard**: *Phillips* · *Reed -Prince* · *slotted* **Special***: *clutch* · *Torx*

POSITIVE CLUTCH PISTOL GRIP & T-HANDLE SCREWDRIVERS


SSD6P20P


SSD10P20PRR


3T2303


SSD4P26P


SSD10P20PS

Performance:

Torque: 20 in lb (2.3 Nm) – 216 in lb (24.4 Nm)
Speed: 500 rpm – 2,500 rpm

Features:

Reversible and Non-reversible
Trigger or Shuttle Reverse
Comfort Grip

Positive Clutch Pistol Grip & T-Handle Screwdrivers

Model Number	Max Torque[1] (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
0.4 hp (0.3 kw) Trigger Start - Shuttle Reverse											
SSD4P5P	95	10.7	500	1.8	0.8	7.0	178	0.7	17	20	10
SSD4P7P	65	7.3	700	1.8	0.8	7.0	178	0.7	17	20	10
SSD4P11P	45	5.1	1100	1.8	0.8	7.0	178	0.7	17	20	10
SSD4P14P	35	3.9	1400	1.6	0.7	6.5	165	0.7	17	20	10
SSD4P18P	26	2.9	1800	1.6	0.7	6.5	165	0.7	17	20	10
SSD4P26P	20	2.3	2600	1.6	0.7	6.5	165	0.7	17	20	10
0.6 hp (0.45 kW) Medium Clutch Screwdrivers – 1/4" Quick Change											
SSD6P12P	100	11.3	1200	2.6	1.18	8.6	218	0.8	20	25	12
SSD6P20P	55	6.2	2000	2.2	0.98	6.8	171	0.8	20	25	12
SSD6P20PSRR	55	6.2	2000	2.2	0.98	6.8	171	0.8	20	25	12
SSD6P25P	40	4.5	2500	2.2	0.98	6.8	171	0.8	20	25	12
SSD6P25PSRR	40	4.5	2500	2.2	0.98	6.8	171	0.8	20	25	12
1 hp (0.75 kW) Medium Torque Clutch Screwdrivers – 1/4" Quick Change											
SSD10P12P	135	15.3	1200	2.8	1.30	9.1	231	0.8	20	30	14
SSD10P20P	70	7.9	2000	2.4	1.07	7.3	185	0.8	20	30	14
SSD10P25P	50	5.7	2500	2.4	1.07	7.3	185	0.8	20	30	14
1 hp (0.75 kW) High Torque Clutch Screwdrivers – 1/4" Quick Change											
SSD10P12PS	145	16.4	1200	2.8	1.30	9.1	231	0.8	20	30	14
SSD10P20PS	80	9.0	2000	2.4	1.07	7.3	185	0.8	20	30	14
SSD10P25PS	58	6.5	2500	2.4	1.07	7.3	185	0.8	20	30	14
1 hp (0.75 kW) – Medium Torque Positive Clutch Rapid Reverse Screwdriver											
SSD10P20PRR	70	7.9	2000	2.4	1.07	7.3	185	0.8	20	30	14
SSD10P25PRR	50	5.7	2500	2.4	1.07	7.3	185	0.8	20	30	14
3 Series T-Handle – 7/16" Quick Change											
3T2303[1]	216	24.4	850	6.7	3.0	33	840	1	25	33	16

[1] Torque output varies with force exerted by operator

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:
Parts List • Safety and Instruction Manual

Accessories:
Screwdriver Accessories, Screwdriver Bits and Finders see page 36

WARNING 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

ASSEMBLY | SIOUX TOOLS INDUSTRIAL CATALOG

POSITIVE CLUTCH INLINE SCREWDRIVER

Performance:
Torque: 55 in lb (6.2 Nm)
Speed: 800 rpm

Features:
Reversible
Lever Start
Rear Exhaust



Positive Clutch Inline Screwdrivers

Model Number	Max Torque[1] (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
1/4" Quick Change	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
Inline											
1SM2103	55	6.2	800	1.4	0.6	9.1	231	0.6	15	8	4

[1] Torque output varies with force exerted by operator

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:
Parts List • Safety and Instruction Manual • Comfort Grip (1SM series)

Accessories:
Screwdriver Accessories, Screwdriver Bits and Finders see page 36

STALL PISTOL GRIP SCREWDRIVERS

Performance:
Torque: 20 in lb (2.3 Nm) – 400 in lb (45.2 Nm)
Speed: 300 rpm – 2,600 rpm

Features:
Reversible
Rapid or Shuttle Reverse
Comfort Grip
1/4" Quick Change



Stall Pistol Grip Screwdrivers

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
0.4 hp (0.3 kw) Trigger Start - Shuttle Reverse											
SSD4P5S	95	10.7	500	1.5	0.7	5.5	140	0.7	17	20	10
SSD4P7S	65	7.3	700	1.5	0.7	5.5	140	0.7	17	20	10
SSD4P11S	45	5.1	1100	1.5	0.7	5.5	140	0.7	17	20	10
SSD4P14S	35	3.9	1400	1.3	0.6	5.0	127	0.7	17	20	10
SSD4P18S	26	2.9	1800	1.3	0.6	5.0	127	0.7	17	20	10
SSD4P26S	20	2.3	2600	1.3	0.6	5.0	127	0.7	17	20	10
0.6 hp (0.45 kW) Trigger Start – Shuttle Reverse											
SSD6P7S	155	17.8	700	2.4	1.10	6.8	171	0.8	20	25	12
SSD6P12S	100	11.3	1200	2.4	1.10	6.8	171	0.8	20	25	12
SSD6P20S	55	6.2	2000	2.0	0.90	5.8	146	0.8	20	25	12
SSD6P25S	40	4.5	2500	2.0	0.90	5.8	146	0.8	20	25	12
0.6 hp (0.45 kW) Trigger Start – Rapid Reverse											
SSD6P20SRR	55	6.2	2000	2.0	0.90	5.8	146	0.8	20	25	12
1 hp (0.75 kW) Trigger Start – Shuttle Reverse											
SSD10P3S	400	45.2	300	2.6	1.17	7.5	191	0.8	20	30	14
SSD10P5S	325	36.7	500	2.6	1.17	7.5	191	0.8	20	30	14
SSD10P7S	220	24.9	700	2.6	1.17	7.5	191	0.8	20	30	14
SSD10P12S	145	16.4	1200	2.6	1.17	7.5	191	0.8	20	30	14
SSD10P20S	80	9.0	2000	2.2	0.98	6.5	165	0.8	20	30	14
SSD10P25S	58	6.6	2500	2.2	0.98	6.5	165	0.8	20	30	14
1 hp (0.75 kW) – Stall Rapid Reverse											
SSD10P20SRR	80	9.0	2000	2.2	0.98	6.5	165	0.8	20	30	14

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:
Parts List • Safety and Instruction Manual • Comfort Grip

Accessories:
Screwdriver Accessories, Screwdriver Bits and Finders see pages 36

WARNING 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

STALL INLINE SCREWDRIVERS

Performance:
Torque: 24 in lb (2.7 Nm) – 400 in lb (45.2 Nm)
Speed: 300 rpm – 2,500 rpm

Features:
Reversible
Lever Start
Rear Exhaust
Suspension Bail
1/4" Quick Change





Stall Inline Screwdrivers

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
Inline – Reversible – 1/4" Quick Change Drive											
1SM2107	55	6.2	800	1.4	0.60	9.1	231	0.6	15	8	4
1SM2407	24	2.7	2200	1.3	0.60	8.1	206	0.6	15	8	4
Inline – Stall Clutch											
SSD10S3S	400	45.2	300	2.2	1.00	9.5	240	0.8	20	30	14
SSD10S5S	325	36.7	500	2.2	1.00	9.5	240	0.8	20	30	14
SSD10S7S	220	24.9	700	2.2	1.00	9.5	240	0.8	20	30	14
SSD10S12S	145	16.4	1200	2.2	1.00	9.5	240	0.8	20	30	14
SSD10S20S	80	9.0	2000	1.9	0.85	8.4	215	0.8	20	30	14
SSD10S25S	58	6.6	2500	1.9	0.85	8.4	215	0.8	20	30	14

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (SSD series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip (1SM series) • Suspension Bail
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 36

ADJUSTABLE CLUTCH PISTOL GRIP SCREWDRIVERS

Performance:
Torque: 23 in lb (2.6 Nm) – 140 in lb (15.8 Nm)
Speed: 300 rpm – 2,600 rpm

Features:
Reversible
Rapid or Shuttle Reverse
Comfort Grip







Adjustable Clutch Pistol Grip Screwdrivers

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
0.4 hp (0.3 kw) Trigger Start - Shuttle Reverse											
SSD4P5AC	70	7.9	500	2.1	1.0	8.5	216	0.7	17	20	10
SSD4P7AC	60	6.8	700	2.1	1.0	8.5	216	0.7	17	20	10
SSD4P11AC	40	4.5	1100	2.1	1.0	8.5	216	0.7	17	20	10
SSD4P14AC	30	3.4	1400	1.9	0.9	8.0	203	0.7	17	20	10
SSD4P18AC	23	2.6	1800	1.9	0.9	8.0	203	0.7	17	20	10
SSD4P26AC	17	1.9	2600	1.9	0.9	8.0	203	0.7	17	20	10
0.6 hp (0.45 kW) Trigger Start – Shuttle Reverse											
SSD6P7AC	140	15.8	700	3.0	1.36	10.3	262	0.8	20	25	12
SSD6P12AC	100	11.3	1200	3.0	1.36	10.3	262	0.8	20	25	12
SSD6P20AC	55	6.2	2000	2.6	1.16	8.5	216	0.8	20	25	12
SSD6P25AC	40	4.5	2500	2.6	1.16	8.5	216	0.8	20	25	12
1 hp (0.75 kW) Trigger Start – Shuttle Reverse											
SSD10P3AC	140	15.8	300	3.2	1.45	10.2	259	0.8	20	30	14
SSD10P5AC	140	15.8	500	3.2	1.45	10.2	259	0.8	20	30	14
SSD10P7AC	140	15.8	700	3.2	1.45	10.2	259	0.8	20	30	14
SSD10P12AC	120	13.5	1200	3.2	1.45	10.2	259	0.8	20	30	14
SSD10P20AC	80	9.0	2000	2.8	1.25	8.4	213	0.8	20	30	14
SSD10P25AC	60	6.8	2500	2.8	1.25	8.4	213	0.8	20	30	14

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip • Clutch Adjustment Wrench • All Applicable Clutch Springs
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 36

WARNING 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

ASSEMBLY | SIOUX TOOLS INDUSTRIAL CATALOG

ADJUSTABLE CLUTCH INLINE SCREWDRIVERS

Performance:
Torque: 20 in lb (2.3 Nm) – 140 in lb (15.8 Nm)
Speed: 300 rpm – 2,500 rpm

Features:
Reversible
Rear Exhaust
External Clutch Adjustment







Adjustable Clutch Inline Screwdrivers CE

Model Number		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
1/4" Quick Change	1/4" Internal Hex	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
Inline – Lever Start												
1SM2105Q		50	5.7	800	1.6	0.70	10.3	262	0.6	15	8	4
1SM2205Q		35	4.0	1100	1.6	0.70	10.3	262	0.6	15	8	4
1SM2305Q		25	2.8	1500	1.6	0.70	10.3	262	0.6	15	8	4
1SM2405Q	1SM2405	20	2.3	2200	1.4	0.60	9.3	236	0.6	15	8	4
Inline – Lever Start												
SSD10S3AC		140	15.8	300	2.8	1.25	12.3	315	0.8	20	30	14
SSD10S5AC		140	15.8	500	2.8	1.25	12.3	315	0.8	20	30	14
SSD10S7AC		140	15.8	700	2.8	1.25	12.3	315	0.8	20	30	14
SSD10S12AC		120	13.5	1200	2.8	1.25	12.3	315	0.8	20	30	14
SSD10S20AC		80	9.0	2000	2.5	1.15	11.2	285	0.8	20	30	14
SSD10S25AC		60	6.8	2500	2.5	1.15	11.2	285	0.8	20	30	14

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (SSD series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment:
Parts List • Safety and Instruction Manual • Comfort Grip (1SM series) • Suspension Bail • Clutch Adjustment Wrench • All Applicable Clutch Springs
Accessories:
Screwdriver Accessories, Screwdriver Bits and Finders see page 36

TORQUE CONTROL SCREWDRIVERS

Performance:
Torque: 5 in lb (0.6 Nm) – 50 in lb (5.5 Nm)
Speed: 725 rpm – 2,800 rpm

Features:
Push-to-Start
Reversible
Locking Button Reverse
External Clutch Adjustment



Torque Control Screwdrivers CE

Model Number	Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
1/4" Quick Change	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
Inline – Push To Start											
1ST2108Q	5-50	0.6-5.5	800	1.6	0.7	9.3	236	0.6	15	8	4
1ST2208Q	5-35	0.6-4	1100	1.6	0.7	9.3	236	0.6	15	8	4
1ST2308Q	5-25	0.6-3	1500	1.6	0.7	9.3	236	0.6	15	8	4
1ST2508Q	5-14	0.6-1.5	2800	1.4	0.6	8.3	211	0.6	15	8	4
Pistol Grip – Push To Start											
1OT2108Q	5-50	0.6-5.5	725	2.1	1.0	8.8	225	0.7	17	10	5
1OT2208Q	5-35	0.6-4	1000	2.1	1.0	8.8	225	0.7	17	10	5
1OT2308Q	5-25	0.6-3	1400	2.1	1.0	8.8	225	0.7	17	10	5
1OT2508Q	5-14	0.6-1.5	2600	1.9	0.9	7.8	200	0.7	17	10	5

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OT, 1ST series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment:
Parts List • Safety and Instruction Manual • Comfort Grip • Suspension Bail (Inline models) • All Applicable Clutch Springs
Accessories:
Screwdriver Accessories, Screwdriver Bits and Finders see page 36

WARNING 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

Z-HANDLE SCREWDRIVERS

Performance:

Torque: 30 in lb (3.4 Nm) – 70 in lb (7.9 Nm)
Speed: 1,000 rpm – 2,200 rpm

Features:

Lever Start
Rear Exhaust







Z-Handle Screwdrivers

Model Number	Max Torque[1] (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
1/4" Quick Change	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
Z-Handle – Stall											
2S2107	70	7.9	1000	2.3	1.0	2.9	74	0.9	23	16	8
2S2207	50	5.7	1600	2.3	1.0	2.9	74	0.9	23	16	8
2S2307	36	4.1	2200	2.3	1.0	2.9	74	0.9	23	16	8
Z-Handle – Low Torque Clutch[1]											
2S2103Q	60	6.8	1000	2.6	1.2	4.3	109	0.9	23	16	8
Z-Handle – Mid-Torque Clutch[1]											
2S2103AQ	60	6.8	1000	2.6	1.2	4.3	109	0.9	23	16	8
2S2203AQ	46	5.2	1600	2.6	1.2	4.3	109	0.9	23	16	8
2S2303AQ	30	3.4	2200	2.6	1.2	4.3	109	0.9	23	16	8
Z-Handle – Lever Start – Adjustable Clutch											
2S2105Q	60	6.8	1000	2.9	1.3	5.8	147	0.9	23	16	8
2S2305Q	30	3.4	2200	2.9	1.3	5.8	147	0.9	23	16	8

[1] Torque output varies with force exerted by operator

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 • Suspension Bail
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 36

RIGHT ANGLE SCREWDRIVERS

Performance:

Torque: 35 in lb (4 Nm) – 400 in lb (45.2 Nm)
Speed: 300 rpm – 2,000 rpm

Features:

Stall Drive & Adjustable Clutch
Button Reverse
Lever Start
Rear Exhaust







Right Angle Screwdrivers

Model Number		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption	
1/4" Quick Change	1/4" Internal Hex	in lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
Stall Drive												
	1AM2101	50	5.7	800	1.5	0.70	10.0	254	0.3	8	8	4
	1AM2201	35	4.0	1100	1.5	0.70	10.0	254	0.3	8	8	4
Stall Drive												
SSD10A3S		400	45.2	300	3.4	1.50	12.0	305	0.8	20	30	14
SSD10A5S		325	36.7	500	3.4	1.50	12.0	305	0.8	20	30	14
SSD10A6S		220	24.9	600	3.4	1.50	12.0	305	0.8	20	30	14
SSD10A10S		145	16.4	1000	3.4	1.50	12.0	305	0.8	20	30	14
SSD10A16S		80	9.0	1600	3.0	1.35	11.0	280	0.8	20	30	14
SSD10A20S		58	6.6	2000	3.0	1.35	11.0	280	0.8	20	30	14
Adjustable Clutch												
	1AM2105	50	5.7	800	1.9	0.90	11.8	300	0.3	8	8	4
	1AM2205	35	4.0	1100	1.9	0.90	11.8	300	0.3	8	8	4

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1AM series); 3/8" (10 mm) (SSD series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Comfort Grip (1AM series)
Accessories: Screwdriver Accessories, Screwdriver Bits and Finders see page 36

ASSEMBLY | SIOUX TOOLS INDUSTRIAL CATALOG

RIGHT ANGLE NUTRUNNERS


3A2104


SNR10A10S


1AM2106

Performance:
Torque: 50 in lb (5.7 Nm) – 600 in lb (68 Nm)
Speed: 300 rpm – 2,000 rpm

Features:
Reversible
Lever Start
Rear and Side Exhaust

Right Angle Nutrunners

Model Number	Bolt Capacity[2]		Max Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Drive Size	
	in	mm	in lb	Nm	rpm	lb	kg	in	mm	in	mm	in	mm
Torque Control Clutch													
3A2108[1]	3/8	M10	360	41	300	7.4	3.40	18.3	465	0.8	20	1/2	13
3A2208[1]	3/8	M10	294	33	480	7.4	3.40	18.3	465	0.8	20	1/2	13
Adjustable Clutch													
1AM2106	#10	M4.5	50	5.7	800	1.9	0.90	11.6	295	0.3	8	1/4	6
Stall Drive													
1AM2102	#10	M4.5	50	5.7	800	1.5	0.70	11.5	292	0.3	8	1/4	6
Stall Drive													
3A2102[1]	7/16	M11	600	68	300	6.2	2.81	17.8	452	0.8	20	1/2	13
3A2104[1]	7/16	M11	600	68	300	5.5	2.50	15.5	394	0.8	20	1/2	13
Stall Drive													
SNR10A3S	3/8	M10	400	45.2	300	2.9	1.30	12.0	305	0.8	20	3/8	10
SNR10A5S	3/8	M10	325	36.7	500	2.9	1.30	12.0	305	0.8	20	3/8	10
SNR10A6S	3/8	M10	220	24.9	600	2.9	1.30	12.0	305	0.8	20	3/8	10
SNR10A10S	5/16	M8	145	16.4	1000	2.9	1.30	12.0	305	0.8	20	3/8	10
SNR10A16S	1/4	M6	80	9.0	1600	2.6	1.15	11.0	280	0.8	20	3/8	10
SNR10A20S	#10	M4.5	58	6.6	2000	2.6	1.15	11.0	280	0.8	20	1/4	6

[1] Not CE Certified

[2] Bolt capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions.

General:
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1AM series); 3/8" (10 mm) (SNR, 3A series) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:
Parts List • Safety and Instruction Manual • Comfort Grip (1AM series) • Clutch Adjustment Wrench

Accessories:
Nutrunner Accessories, see page 36

RATCHET WRENCHES



SRW03S-25

Performance:
Power: 0.3 hp (0.25 kW)
Torque: 35 ft lb (47 Nm)

Features:
Lever Start
Teasing Throttle
Comfort Grip

Ratchet Wrenches

Model Number	Drive Size		Torque		Free Speed	Weight		Length		Side to Center		Air Consumption		Exhaust
	in	mm	ft lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.3 hp (0.25 kW)														
SRW03S-25	1/4"	6	35	47	235	1.4	0.6	7.7	197	1.1	28	1.4	0.66	Rear
SRW03S-38	3/8"	10	35	47	235	1.4	0.6	7.7	197	1.1	28	1.4	0.66	Rear
SRW03S-38Q	3/8"	10	35	47	235	1.4	0.6	7.7	197	1.1	28	1.4	0.66	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 • Boot for Head
Accessories:
Ratchet Accessories, see page 36



SRW07-38

Performance:
Power: 0.7 hp (0.52 kW)
Torque: 65 ft lb (88 Nm)

Ratchet Wrenches

Model Number	Drive Size		Torque		Free Speed	Weight		Length		Side to Center		Air Consumption		Exhaust
	in	mm	ft lb	Nm	rpm	lb	kg	in	mm	in	mm	cfm	l/s	
0.7 hp (0.52 kW)														
SRW07-38	3/8"	10	65	88	260	3.0	1.3	11.8	300	1.0	25	2.7	1.27	Front
SRW07-50	1/2"	13	65	88	260	3.0	1.3	11.8	300	1.0	25	2.7	1.27	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 • Boot for Head
Accessories:
Ratchet Accessories, see page 36

ASSEMBLY

We're Making A Big Impact

Impact wrenches are the true workhorses of industrial power tools. These incredibly powerful tools make easy work of any job in a variety of applications. Before the creation of impact tools, workers had to manually strike a hammer against a hand wrench in order to loosen or tighten nuts or bolts. They could only manage a few blows per minute. But today's impact wrenches can exert more powerful blows, and some can produce over 2000 blows per minute. This is accomplished by using the energy of compressed air and converting the motor's torque into a rapid series of powerful rotary impacts.

Choice of Configuration

Sioux Tools offers Industrial and Force Impact Wrenches and Impact Drivers in a wide variety of configurations to meet your specific applications. In order to select the correct impact tool for your job requirements, you must take into account several factors including fastener size and grade, required torque output, and accessibility. Choosing the right mix of features such as handle configuration, type of retainer, torque output, anvil length, and drive size will make operators more productive, with less risk of discomfort and/or injury.

Industrial Impact Tools

Built to a higher level of quality, Sioux Industrial Impact Wrenches and Impact Drivers are built a step above the standard. Manufactured from the highest quality materials, and utilizing the most advanced motor and clutch designs, these tools are constructed to hold up under continuous use in the toughest working environments.

Our extensive lineup of impact tools includes a wide selection of important features including:

- Ball & Cam or Twin Hammer impact mechanisms
- Inline, pistol grip, or D-handle configurations
- Pin, friction ring, quick change, or thru hole socket retainers
- Standard or extended anvils

In addition, Sioux offers a wide range of performance levels and characteristics to ensure a perfect match to your application. With drive sizes ranging from 1/4" (6 mm) to 1-1/2" (38 mm), and torque outputs up to 2500 ft lb (3390 Nm), finding the tool to meet your performance requirements will be simple.

Impact Wrench Principles of Operation

An impact wrench delivers a series of rotary blows to a fastener, producing torque.

The action of the torque creates clamp force in an assembly.

Interaction of the motor, clutch and drive-end determine the type of application an impact wrench can handle.

The advantages of impact wrenches are a high power-to weight ratio, fast rundown, and no torque reaction to operator.

Class of Service

High production – automobile assembly plants, farm and construction equipment, etc.

Low production – large machinery assembly

Maintenance or repair work

Job Conditions

Hard pull-up – rigid joint

Soft pull-up – spring joint

Run-down – free running, or prevailing torque (lock nut, self threading screw)

Material

Metal-to-metal

Metal/gasket

Rubber or plastic

Assembly Method

General tightening – operator judgement

Turn-of-the-nut – permanent assemblies (steel erection and construction equipment)

Note: If it takes five seconds or longer to reach final tightness, a larger wrench should be used.

IMPACT DRIVERS



IW38TBP-2Q



IW38TBP-3P

Performance:

Torque: 10 ft lb (13 Nm) – 70 ft lb (270 Nm)
Drive Size: 1/4" (6 mm) & 3/8" (10 mm)
Working Torque up to 70 ft-lb

Features:

Pistol Grip
Belt Clip

1/4" (6 mm) & 3/8" (10 mm) Impact Drivers

CE

Model Number	Drive Size		Working Torque Range[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
IW38TBP-2Q	1/4	6	10-70	13-95	70	95	2000	8000	2.1	1.0	6.3	160	0.9	22	2	1	QC
IW38TBP-3P	3/8	10	10-70	13-95	70	95	2000	8000	2.1	1.0	6.3	160	0.9	22	2	1	Pin

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.

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 • Suspension Bail

Accessories:
Impact Wrench Accessories, see page 36



ID375AP-2Q



ID375AP-2QRR



IW375AP-3P



3/8" Pinned Anvil



3/8" Friction Ring Anvil

Key Features:

High power to weight ratio
High impact rate of 5,000 blows per minute
Working torque range up to 95 ft-lb
Smooth Impacting that creates minimal torque reaction
Includes rubber boot for hammer case

Applications:

Wood Screws
Self-tapping screws
Lag bolts
High prevailing torque applications



1/4" Quick Change

1/4" (6 mm) & 3/8" (10 mm) Impact Drivers

CE

Model Number	Drive Size		Working Torque Range[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Socket Retainer Style
	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	
ID375AP-2Q	1/4	6	10-55	13-75	60	80	5000	4000	2.5	1.1	8.5	216	0.85	21	Quick Change
ID375AP-2QRR	1/4	6	10-55	13-75	60	80	5000	4000	2.5	1.1	8.5	216	0.85	21	Quick Change
IW375AP-3P	3/8	10	10-95	13-130	100	135	5000	4000	2.5	1.1	8.5	216	0.85	21	Pin
IW375AP-3F	3/8	10	10-95	13-130	100	135	5000	4000	2.5	1.1	8.5	216	0.85	21	Ring

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.

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:
Impact Wrench Accessories, see page 36

WARNING 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

1/2" IMPACT WRENCHES

Performance:

Working Torque: 100 ft lb (135 Nm) – 625 ft lb (1058 Nm)
Drive Size: 7/16" (11 mm) – 1/2" (13 mm)
Bolt Capacity: 9/16" (14 mm) – 5/8" (10 mm)

Features:

High power to weight ratio
Forged Aluminum Anvil Housing
One Hand Forward/Reverse Operation





1/2" (13mm) Impact Wrenches

Model Number	Drive Size		Bolt Cap Grade 5		Working Torque Range[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
IW500MP-4R	1/2	13	5/8	16	100-625	135-845	780	1058	1200	9400	4.2	1.9	7.0	178	1.5	38	4	2	Ring
IW500MP-4R3	1/2	13	5/8	16	100-625	135-845	780	1058	1200	9400	4.4	2.0	10.0	254	1.5	38	4	2	Ring
IW500MP-4P	1/2	13	5/8	16	100-625	135-845	780	1058	1200	9400	4.2	1.9	7.0	178	1.5	38	4	2	Pin
IW500MP-4P3	1/2	13	5/8	16	100-625	135-845	780	1058	1200	9400	4.4	2.0	10.0	254	1.5	38	4	2	Pin
IW500MP-7Q	7/16	11	9/16	14	80-500	110-675	600	810	1200	9400	4.3	2.0	7.4	188	1.5	38	4	2	QC

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.

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:
Impact Wrench Accessories, see page 36

3/4" & 1" IMPACT WRENCHES



Performance:

Maximum Torque: 1,000 ft lb (1356 Nm) – 1,100 ft lb (1492 Nm)
Drive Size: 3/4" (19 mm) – 1" (25 mm)

Features:

Aluminum nose
Long-life Impact mechanism
Grease Clutch
Reverse biased
One hand Forward / Reverse operation



Heavy Duty Impact Wrenches

Model Number	Drive Size		Bolt Cap Grade 5		Maximum Working Torque[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
IW750MP-6P	3/4	19	3/4	19	800	1085	1050	1423	1050	6700	7.5	3.44	8.5	215	N/A	N/A	5.6	2.6	Pin
IW750MP-6H	3/4	19	3/4	19	800	1085	1050	1423	1050	6700	7.5	3.44	8.5	215	N/A	N/A	5.6	2.6	Hole
IW750MP-6R	3/4	19	3/4	19	800	1085	1050	1423	1050	6700	7.5	3.44	8.5	215	N/A	N/A	5.6	2.6	Friction Ring
IW75BP-6H	3/4	19	3/4	19	800	1085	1000	1356	1000	5700	11.6	5.3	7.6	193	1.75	45	15.0	7.0	Hole
IW75BP-8H	1	25	3/4	19	825	1119	1100	1492	1000	5700	11.7	5.3	7.6	193	1.75	45	15.0	7.0	Hole

[1]Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.

General:
Air Inlet Size: 3/8" NPT • Recommended Hose Size: 1/2" (30 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:
Parts List • Safety and Instruction Manual • Suspension Bail (IW75BP)

Accessories:
Impact Wrench Accessories, see page 36

WARNING 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

TETHERED IMPACT WRENCHES

Performance:
Working Torque: 100 ft lb (135 Nm) – 800 ft lb (1085 Nm)
Drive Size: 1/2" (13 mm) – 3/4" (19 mm)
Bolt Capacity: 5/8" (10 mm) – 3/4" (19 mm)
Features:
High power to weight ratio
Forged Aluminum Anvil Housing
One Hand Forward/Reverse Operation



IW500MP-4PT



IW750MP-6PT

CE

1/2" (13mm) Impact Wrenches

Model Number	Drive Size		Bolt Cap Grade 5		Working Torque Range[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
IW500MP-4PT	1/2	13	5/8	16	100-625	135-845	780	1058	1200	9400	4.2	1.9	7.0	178	1.5	38	4	2	Pin
IW750MP-6PT	3/4	19	3/4	19	800	1085	1050	1423	1050	6700	7.5	3.44	8.5	215	N/A	N/A	5.6	2.6	Pin

[1] Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.
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: Impact Wrench Accessories, see page 36

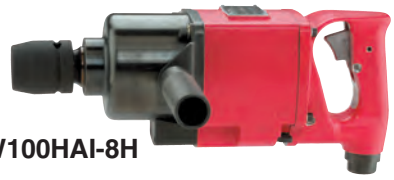
1", 1-1/2" IMPACT WRENCHES



IW1000MP-8H



IW1000MP-8H5


IW100HAI-8H

Performance:
Working Torque: 1,200 ft lb (1630 Nm) – 2,500 ft lb (3390 Nm)
Drive Size: 1" (25 mm) – 1-1/2" (38 mm)
Bolt Capacity: 1-1/4" (32 mm) – 2" (50 mm)
Features:
D-Handle
Inside and Outside Trigger
Steel Anvil Housing

CE

1" (25 mm), 1-1/2" (38 mm) Impact Wrenches

Model Number	Drive Size		Bolt Cap Grade 5		Maximum Working Torque[1]		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consumption		Socket Retainer Style
	in	mm	in	mm	ft lb	Nm	ft lb	Nm		rpm	lb	kg	in	mm	in	mm	cfm	l/s	
D-Handle – Inside Trigger																			
IW1000MP-8H	1	25	1-1/4	32	1200	1630	1700	2300	825	6500	18.2	8.3	14.8	376	1.85	47	34	16	Hole/Ring
IW1000MP-8H5	1	25	1-1/4	32	1200	1630	1700	2300	825	6500	19.7	8.9	19.3	490	1.85	47	34	16	Hole/Ring
IW1000MP-8H8	1	25	1-1/4	32	1200	1630	1700	2300	825	6500	20.7	9.4	22.3	556	1.85	47	34	16	Hole/Ring
IW100HAI-8H	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	22.0	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAI-8H6	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW100HAI-5S	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	22.0	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAI-5S6	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW150HAI-5S	#5 Spline		2	50	2500	3390	3000	4070	650	3750	33.0	15.0	14.5	368	2.5	65	60	28	Hole
IW150HAI-12H	1-1/2	38	2	50	2500	3390	3000	4070	650	3750	33.1	15.0	14.5	368	2.5	65	60	28	Hole
D-Handle – Outside Trigger																			
IW100HAO-8H	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	22.0	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAO-8H6	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW100HAO-5S	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	22.0	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAO-5S6	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW150HAO-5S	#5 Spline		2	50	2500	3390	3000	4070	650	3750	33.0	15.0	14.5	368	2.5	65	60	28	Hole
IW150HAO-12H	1-1/2	38	2	50	2500	3390	3000	4070	650	3750	33.0	15.0	14.5	368	2.5	65	60	28	Hole

[1]Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester.
General: Air Inlet Size: 1/2" NPT • Recommended Hose Size: 1/2" (30 mm) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Support handle (D-Handle models)
Accessories: Impact Wrench Accessories, see page 36

WARNING 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

Clutch Springs



41284 (Green)



41249B



66048 (Silver)



66049 (Blue)



66050 (Green)

Part Number	Color	Torque Range	
		in lb	Nm
SSD6P, SSD10P, 2S Adjustable Clutch			
41284	Green	<25	<2.8
41249B	Plain	>25	>2.8
1 Series Adjustable Clutch & Torque Control			
66048	Silver	30-50	3.4-5.7
66049	Blue	15-35	1.7-4
66050	Green	2-20	0.22-2.3

Tether Plate Kits for Impact Wrenches*



IW500-3



74994A

Part Number	For Use On
IW500-3	IW500MP
74994A	IW750MP

*See Page 35 for Impacts with Pre-Installed Tether

Comfort Grips



66124



68340



66193

Part Number	For Use On (Drills)	For Use On (Screwdrivers)
66124	800 rpm	1 Series inline (800, 1100 & 1500 rpm)
66193	All (except 800 rpm)	1 Series inline (2200 & 2800 rpm)
68340	N/A	SSD4P Series pistol grip

Boots

For use on Signature series



SDR6PNBOOT / SDR10PNBOOT

For use on IW500MP models



IW500MP-BOOT

Support Handles



77067A

Sioux Part Number	Description
77117A	For use on 4P series screwdrivers
77067A	6P, 10P series screwdrivers

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

CE

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	25000	1.0	0.45	6.25	160	11	5.2	1/4"	Rear
SDG03S25M6	25000	1.0	0.45	6.25	160	11	5.2	6 mm	Rear
0.3 hp (0.22 kW) – Lever Throttle – 300 Series Collet									
SDG03S25S	25000	1.0	0.45	6.25	160	11	5.2	1/4"	Rear
SDG03S25M6S	25000	1.0	0.45	6.25	160	11	5.2	6mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 200 Series Collet									
SDG05S18	18000	1.2	0.54	7.0	180	23	10.9	1/4"	Rear
SDG05S18M6	18000	1.2	0.54	7.0	180	23	10.9	6 mm	Rear
SDG05S23	23000	1.2	0.54	7.0	180	23	10.9	1/4"	Rear
SDG05S23M6	23000	1.2	0.54	7.0	180	23	10.9	6 mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 300 Series Collet									
SDG05S18S	18000	1.2	0.54	7.0	180	23	10.9	1/4"	Rear
SDG05S18M6S	18000	1.2	0.54	7.0	180	23	10.9	6mm	Rear
SDG05S23S	23000	1.2	0.54	7.0	180	23	10.9	1/4"	Rear
SDG05S23M6S	23000	1.2	0.54	7.0	180	23	10.9	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle – 200 Series Collet									
SDG7S18F	18000	1.2	0.6	6.0	150	25	12	1/4"	Front
SDG7S18M6F	18000	1.2	0.6	6.0	150	25	12	6 mm	Front
SDG7S25F	25000	1.2	0.6	6.0	150	25	12	1/4"	Front
SDG7S25FS	25000	1.2	0.6	6.0	150	25	12	1/4"	Front
SDG7S25M6F	25000	1.2	0.6	6.0	150	25	12	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet									
SDG10S12F	12000	1.7	0.8	7.5	190	30	14	1/4"	Front
SDG10S12M6F	12000	1.7	0.8	7.5	190	30	14	6 mm	Front
SDG10S12R	12000	1.7	0.8	7.5	190	30	14	1/4"	Rear
SDG10S12M6R	12000	1.7	0.8	7.5	190	30	14	6 mm	Rear
SDG10S18F	18000	1.7	0.8	7.5	190	30	14	1/4"	Front
SDG10S18M6F	18000	1.7	0.8	7.5	190	30	14	6 mm	Front
SDG10S18R	18000	1.7	0.8	7.5	190	30	14	1/4"	Rear
SDG10S18M6R	18000	1.7	0.8	7.5	190	30	14	6 mm	Rear
SDG10S25F	25000	1.7	0.8	7.5	190	30	14	1/4"	Front
SDG10S25M6F	25000	1.7	0.8	7.5	190	30	14	6 mm	Front
SDG10S25R	25000	1.7	0.8	7.5	190	30	14	1/4"	Rear
SDG10S25M6R	25000	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

WARNING 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

ABRASIVE | SIOUX TOOLS INDUSTRIAL CATALOG

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 Exhaust
Built-in Speed Control

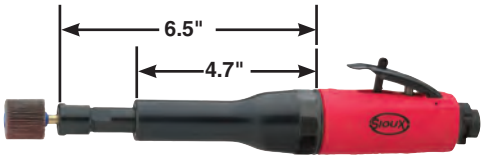
Straight Metal Body Die Grinders

CE

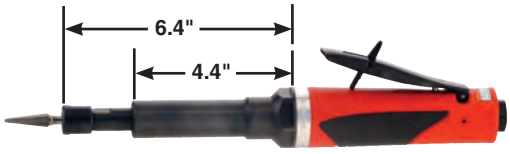
Model Number	Free Speed	Weight		Length		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing									
SDGA1S12	12000	1.5	0.7	6.9	175	30	14	1/4"	Front
SDGA1S12M6	12000	1.5	0.7	6.9	175	30	14	6 mm	Front
SDGA1S18	18000	1.5	0.7	6.9	175	30	14	1/4"	Front
SDGA1S18M6	18000	1.5	0.7	6.9	175	30	14	6 mm	Front
SDGA1S25	25000	1.5	0.7	6.9	175	30	14	1/4"	Front
SDGA1S25M6	25000	1.5	0.7	6.9	175	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip									
SDGA1S12G	12000	1.4	0.6	6.9	175	30	14	1/4"	Front
SDGA1S12M6G	12000	1.4	0.6	6.9	175	30	14	6 mm	Front
SDGA1S18G	18000	1.4	0.6	6.9	175	30	14	1/4"	Front
SDGA1S18M6G	18000	1.4	0.6	6.9	175	30	14	6 mm	Front
SDGA1S25G	25000	1.4	0.6	6.9	175	30	14	1/4"	Front
SDGA1S25M6G	25000	1.4	0.6	6.9	175	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing									
SDGS1S12	12000	2.2	1.0	6.9	175	30	14	1/4"	Front
SDGS1S12M6	12000	2.2	1.0	6.9	175	30	14	6 mm	Front
SDGS1S18	18000	2.2	1.0	6.9	175	30	14	1/4"	Front
SDGS1S18M6	18000	2.2	1.0	6.9	175	30	14	6 mm	Front
SDGS1S25	25000	2.2	1.0	6.9	175	30	14	1/4"	Front
SDGS1S25M6	25000	2.2	1.0	6.9	175	30	14	6 mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip									
SDGS1S12G	12000	1.8	0.8	6.9	175	30	14	1/4"	Front
SDGS1S12M6G	12000	1.8	0.8	6.9	175	30	14	6 mm	Front
SDGS1S18G	18000	1.8	0.8	6.9	175	30	14	1/4"	Front
SDGS1S18M6G	18000	1.8	0.8	6.9	175	30	14	6 mm	Front
SDGS1S25G	25000	1.8	0.8	6.9	175	30	14	1/4"	Front
SDGS1S25M6G	25000	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

WARNING 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

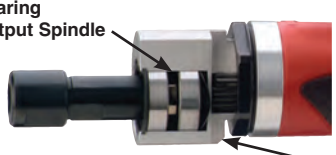
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Model Number	Free Speed	Weight		Length		Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in	mm	cfm	l/s		
0.5 hp (0.37 kW) – Lever Throttle – Extended – 200 Series Collet									
SXG05S18	18000	2.1	0.95	11.0	280	23	10.9	1/4"	Rear
SXG05S18M6	18000	2.1	0.95	11.0	280	23	10.9	6 mm	Rear
SXG05S23	23000	2.1	0.95	11.0	280	23	10.9	1/4"	Rear
SXG05S23M6	23000	2.1	0.95	11.0	280	23	10.9	6 mm	Rear
0.5 hp (0.37 kW) – Extended Die Grinder Lever Throttle – 300 Series Collet									
SXG05S18S	18000	2.1	0.95	11.0	280	23	10.9	1/4"	Rear
SXG05S18M6S	18000	2.1	0.95	11.0	280	23	10.9	6mm	Rear
SXG05S23S	23000	2.1	0.95	11.0	280	23	10.9	1/4"	Rear
SXG05S23M6S	23000	2.1	0.95	11.0	280	23	10.9	6mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – 200 Series Collet									
STXG10S12	12000	2.2	1.0	12.1	308	30	14	1/4"	Rear
STXG10S12M6	12000	2.2	1.0	12.1	308	30	14	6 mm	Rear
STXG10S18	18000	2.2	1.0	12.1	308	30	14	1/4"	Rear
STXG10S18M6	18000	2.2	1.0	12.1	308	30	14	6 mm	Rear
STXG10S23	23000	2.2	1.0	12.1	308	30	14	1/4"	Rear
STXG10S23M6	23000	2.2	1.0	12.1	308	30	14	6 mm	Rear
1 hp (0.75 kW) – Lever Throttle – Extended – Cone Wheel									
STXG10S18CW	18000	2.2	1.0	12.2	310	30	14	3/8"-24 EXT Thread	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

ABRASIVE | SIOUX TOOLS INDUSTRIAL CATALOG

HIGH TORQUE DIE GRINDERS





SDG10SHT12



SDG10SHT08

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	0.90	9.5	240	35	16.5	1/4"	Rear
SDG10SHT08M6	8000	2.0	0.90	9.5	240	35	16.5	6 mm	Rear
SDG10SHT12	12000	2.0	0.90	9.5	240	35	16.5	1/4"	Rear
SDG10SHT12M6	12000	2.0	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]	20000	4.3	2.0	7.6	193	38	18	1/4"	Side
1985-1/2	20000	4.3	2.0	7.6	193	38	18	1/2"	Side
1985A	20000	4.3	2.0	7.6	193	38	18	3/8"	Side

[1]Not 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

WARNING 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: 0.3 hp (0.22 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 23,000 rpm
Collet Size: 1/4" & 6 mm

Features:

Lockoff Lever
Built-in Speed Control

Right Angle Die Grinders

CE

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	12000	1.2	0.55	5.6	140	11	5.2	1/4"	Rear
SAG03S12M6	12000	1.2	0.55	5.6	140	11	5.2	6 mm	Rear
SAG03S20	20000	1.2	0.55	5.6	140	11	5.2	1/4"	Rear
SAG03S20M6	20000	1.2	0.55	5.6	140	11	5.2	6 mm	Rear
0.3 hp (0.22 kW) – Lever Throttle – 300 Series Collet									
SAG03S12S	12000	1.15	0.52	5.6	143	11	5.2	1/4"	Rear
SAG03S12M6S	12000	1.15	0.52	5.6	143	11	5.2	6mm	Rear
SAG03S20S	20000	1.15	0.52	5.6	143	11	5.2	1/4"	Rear
SAG03S20M6S	20000	1.15	0.52	5.6	143	11	5.2	6mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 200 Series Collet									
SAG05S12	12000	1.7	0.77	6.9	175	23	11	1/4"	Rear
SAG05S12M6	12000	1.7	0.77	6.9	175	23	11	6 mm	Rear
SAG05S15	15000	1.7	0.77	6.9	175	23	11	1/4"	Rear
SAG05S15M6	15000	1.7	0.77	6.9	175	23	11	6mm	Rear
SAG05S18	18000	1.7	0.77	6.9	175	23	11	1/4"	Rear
SAG05S18M6	18000	1.7	0.77	6.9	175	23	11	6mm	Rear
SAG05S23	23000	1.4	0.64	6.4	160	23	10.8	1/4"	Rear
SAG05S23M6	23000	1.4	0.64	6.4	160	23	10.8	6 mm	Rear
0.5 hp (0.37 kW) – Lever Throttle – 300 Series Collet									
SAG05S12S	12000	1.7	0.77	6.9	175	23	11	1/4"	Rear
SAG05S12M6S	12000	1.7	0.77	6.9	175	23	11	6 mm	Rear
SAG05S15S	15000	1.7	0.77	6.9	175	23	11	1/4"	Rear
SAG05S15M6S	15000	1.7	0.77	6.9	175	23	11	6mm	Rear
SAG05S18S	18000	1.7	0.77	6.9	175	23	11	1/4"	Rear
SAG05S18M6S	18000	1.7	0.77	6.9	175	23	11	6mm	Rear
SAG05S23S	23000	1.35	0.61	6.4	162	23	10.8	1/4"	Rear
SAG05S23M6S	23000	1.35	0.61	6.4	162	23	10.8	6mm	Rear
0.70 hp (0.52 kW) – Lever Throttle – 200 Series Collet									
SAG7S12	12000	2.0	0.90	6.5	165	25	12	1/4"	Front
SAG7S12M6	12000	2.0	0.90	6.5	165	25	12	6mm	Front
SAG7S15	15000	2.0	0.90	6.5	165	25	12	1/4"	Front
SAG7S15M6	15000	2.0	0.90	6.5	165	25	12	6mm	Front
SAG7S18	18000	2.0	0.90	6.5	165	25	12	1/4"	Front
SAG7S18M6	18000	2.0	0.90	6.5	165	25	12	6mm	Front
1 hp (0.75 kW) – Lever Throttle – 200 Series Collet									
SAG10S12	12000	2.7	1.2	9.0	230	30	14	1/4"	Rear
SAG10S12M6	12000	2.7	1.2	9.0	230	30	14	6 mm	Rear
SAG10S15	15000	2.7	1.2	9.0	230	30	14	1/4"	Rear
SAG10S15M6	15000	2.7	1.2	9.0	230	30	14	6 mm	Rear
SAG10S18	18000	2.7	1.2	9.0	230	30	14	1/4"	Rear
SAG10S18M6	18000	2.7	1.2	9.0	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

ABRASIVE | SIOUX TOOLS INDUSTRIAL CATALOG

RIGHT ANGLE EXTENDED DIE GRINDERS

Performance:

Power: 0.7 hp (0.52 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 20,000 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

CE

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	12000	3.20	1.45	11.25	286	30	14.2	1/4"	Rear
SAG10AX12M6	12000	3.20	1.45	11.25	286	30	14.2	6mm	Rear
SAG10AX15	15000	3.20	1.45	11.25	286	30	14.2	1/4"	Rear
SAG10AX15M6	15000	3.20	1.45	11.25	286	30	14.2	6mm	Rear
SAG10AX18	18000	3.20	1.45	11.25	286	30	14.2	1/4"	Rear
SAG10AX18M6	18000	3.20	1.45	11.25	286	30	14.2	6mm	Rear
0.7 hp (0.52 kW) – Lever Throttle									
SAG7AX13	13000	2.9	1.3	10.0	254	25	12	1/4"	Front
SAG7AX13M6	13000	2.9	1.3	10.0	254	25	12	6 mm	Front
SAG7AX16	16000	2.9	1.3	10.0	254	25	12	1/4"	Front
SAG7AX16M6	16000	2.9	1.3	10.0	254	25	12	6 mm	Front
SAG7AX20	20000	2.9	1.3	10.0	254	25	12	1/4"	Front
SAG7AX20M6	20000	2.9	1.3	10.0	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

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

Right Angle Extended Metal Body Die Grinders

CE

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	12000	3.2	1.5	10.5	267	30	14.2	1/4"	Front
SAGA1AX12M6	12000	3.2	1.5	10.5	267	30	14.2	6mm	Front
SAGA1AX15	15000	3.2	1.5	10.5	267	30	14.2	1/4"	Front
SAGA1AX15M6	15000	3.2	1.5	10.5	267	30	14.2	6mm	Front
SAGA1AX18	18000	3.2	1.5	10.5	267	30	14.2	1/4"	Front
SAGA1AX18M6	18000	3.2	1.5	10.5	267	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing with Grip									
SAGA1AX12G	12000	2.9	1.3	10.5	267	30	14.2	1/4"	Front
SAGA1AX12M6G	12000	2.9	1.3	10.5	267	30	14.2	6mm	Front
SAGA1AX15G	15000	2.9	1.3	10.5	267	30	14.2	1/4"	Front
SAGA1AX15M6G	15000	2.9	1.3	10.5	267	30	14.2	6mm	Front
SAGA1AX18G	18000	2.9	1.3	10.5	267	30	14.2	1/4"	Front
SAGA1AX18M6G	18000	2.9	1.3	10.5	267	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing									
SAGS1AX12	12000	3.8	1.7	10.5	267	30	14.2	1/4"	Front
SAGS1AX12M6	12000	3.8	1.7	10.5	267	30	14.2	6mm	Front
SAGS1AX15	15000	3.8	1.7	10.5	267	30	14.2	1/4"	Front
SAGS1AX15M6	15000	3.8	1.7	10.5	267	30	14.2	6mm	Front
SAGS1AX18	18000	3.8	1.7	10.5	267	30	14.2	1/4"	Front
SAGS1AX18M6	18000	3.8	1.7	10.5	267	30	14.2	6mm	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip									
SAGS1AX12G	12000	3.4	1.5	10.5	267	30	14.2	1/4"	Front
SAGS1AX12M6G	12000	3.4	1.5	10.5	267	30	14.2	6mm	Front
SAGS1AX15G	15000	3.4	1.5	10.5	267	30	14.2	1/4"	Front
SAGS1AX15M6G	15000	3.4	1.5	10.5	267	30	14.2	6mm	Front
SAGS1AX18G	18000	3.4	1.5	10.5	267	30	14.2	1/4"	Front
SAGS1AX18M6G	18000	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

WARNING 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

ABRASIVE | SIOUX TOOLS INDUSTRIAL CATALOG

RIGHT ANGLE TYPE 27 WHEEL GRINDERS



SWG10AX1245



SWG10AXL124



SWG7AX1345

Performance:

Power: 0.7 hp (0.52 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 20,000 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	12000	4.0	100	3.6	1.63	11.25	285	35	17	3/8" - 24	Rear
SWG10AXL124	12000	4.0	100	3.5	1.59	11.25	285	35	17	3/8" - 24	Rear
SWG10AX1245	12000	4.5	115	3.7	1.68	11.25	285	35	17	5/8" - 11	Rear
SWG10AX125	12000	5.0	125	3.8	1.72	11.25	285	35	17	5/8" - 11	Rear
0.7 hp (0.52 kW) – Lever Throttle											
SWG7AX134	13300	4.0	100	3.5	1.6	10.0	254	25	12	3/8" - 24	Front
SWG7AX1345	13300	4.5	115	3.5	1.6	10.0	254	25	12	5/8" - 11	Front
SWG7AX203	20000	3.0	75	3.5	1.6	10.0	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 • Grinding Wheel
Accessories:
Grinder Accessories, see page 51



SWGS1AX124



SWGS1AX124G

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	12000	4.0	100	3.3	1.5	10.5	267	35	17	3/8" - 24	Front
SWGA1AX1245	12000	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	12000	4.0	100	3.2	1.5	10.5	267	35	17	3/8" - 24	Front
SWGA1AX1245G	12000	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	12000	4.0	100	3.9	1.8	10.5	267	35	17	3/8" - 24	Front
SWGS1AX1245	12000	4.5	115	4.0	1.8	10.5	267	35	17	5/8" - 11	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip											
SWGS1AX124G	12000	4.0	100	3.7	1.7	10.5	267	35	17	3/8" - 24	Front
SWGS1AX1245G	12000	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 • Grinding Wheel
Accessories:
Grinder Accessories, see page 51

WARNING 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



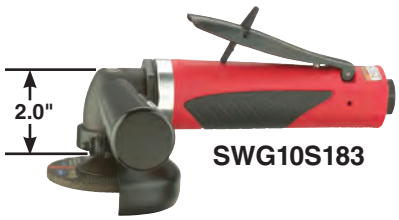
SWG05S183



1285L



SWG10A1245



SWG10S183



SWG10S1245

Performance:

Power: 0.5 hp (0.37 kW) – 1 hp (0.75 kW)
Speed: 6,000 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

CE

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	
0.5 hp (0.37 kW)												
SWG05S183	18000	3.0	75	2.0	0.91	7.0	178	N/A	N/A	23	11	3/8"-24
0.7 hp (0.52 kW)												
SWG7S183	18000	3.0	75	2.1	0.95	6.4	163	N/A	N/A	25	12	3/8"-24
1 hp (0.75 kW) – Medium Duty Angle Head												
SWG10A124	12000	4.0	100	2.5	1.1	7.75	195	N/A	N/A	35	17	3/8" - 24
SWG10A1245	12000	4.5	115	2.6	1.17	7.75	195	N/A	N/A	35	17	5/8"-11
SWG10A125	12000	5.0	125	2.7	1.22	7.75	195	N/A	N/A	35	17	5/8" - 11
SWG10S183	18000	3.0	75	2.5	1.1	7.5	190	N/A	N/A	35	17	3/8"-24
1 hp (0.75 kW) – Heavy Duty Angle Head												
SWG10S124	12000	4.0	100	3.3	1.5	8.3	210	N/A	N/A	35	17	3/8"-24
SWG10S1245	12000	4.5	115	3.3	1.5	8.3	210	N/A	N/A	35	17	5/8"-11
SWG10S125	12000	5.0	125	3.4	1.5	8.3	210	N/A	N/A	35	17	5/8"-11
SWG10S106	10000	6.0	150	3.7	1.7	8.3	210	N/A	N/A	35	17	5/8"-11
1 hp (0.75 kW) – Governed Speed – Lockoff Lever Throttle												
1285L[1]	6000	7.0	180	5.9	2.7	12.4	315	35	17	18	8	5/8"-11

[1]Not 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 • Grinding Wheel

Accessories:
Grinder Accessories, see page 51

VERTICAL TYPE 27 WHEEL GRINDERS

Performance:

Power: 1 hp (0.75 kW) – 3 hp (2.2 kW)
Speed: 4,500 rpm – 6,000 rpm
Wheel Capacity: 7" (175 mm) – 9" (230 mm) diameter

Features:

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



VG20AL-60D7



1291

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-Governer Speed – Thumb Throttle												
1291L	6000	7.0	175	5.0	2.3	7.2	183	30	14	38	18	5/8"-11
1 hp (0.75 kW) – Non-Governer Speed – Thumb Throttle												
1291	6000	7.0	175	5.0	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	9.0	230	7.4	3.3	5.5	145	75	35	26	12	5/8"-11
VG20AL-60D7	6000	7.0	175	7.4	3.3	5.5	145	75	35	26	12	5/8"-11
VG20AL-60D9	6000	9.0	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	7.0	175	9.5	4.3	6.4	165	90	42	39	18	5/8"-11
VG30AL-45D9	4500	9.0	230	9.5	4.3	6.4	165	90	42	39	18	5/8"-11
VG30AL-60D7	6000	7.0	175	9.5	4.3	6.4	165	90	42	39	18	5/8"-11
VG30AL-60D9	6000	9.0	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 • Grinding Wheel (1291 & 1291L)

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: 6,000 rpm
Wheel Capacity: 6" (150 mm)

Features:

Governed Speed
Lockoff Lever
Side Exhaust



VG30AL-60C6

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	6.0	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	6.0	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

WARNING 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



HG30AL-60S6



HG20AL-80P3

Performance:

Power: 2 hp (1.5 kW) – 3 hp (2.2 kW)
Speed: 4,500 rpm – 8,000 rpm
Wheel Capacity: 3" (75 mm) – 8" (200 mm)

Features:

Governed Speed
Lever Throttle
Side Exhaust

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	8.0	200	10.5	4.8	20.8	530	75	35	26	12	5/8"-11
HG20AL-60S6	6000	6.0	150	10.5	4.8	20.8	530	75	35	26	12	5/8"-11
HG20AL-80P3	8000	3.0	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	8.0	200	12.5	5.6	21.8	550	90	42	39	18	5/8"-11
HG30AL-60S6	6000	6.0	150	12.5	5.6	21.8	550	90	42	39	18	5/8"-11
HG30AL-80P3	8000	3.0	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



SMR05S354

Performance:

Power: 0.5 hp (0.37 kW)
Speed: 3,500 rpm

Features:

Removable Support Handle
Lockoff Lever
Planetary Gear for Increased Torque

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	12.0	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

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

⚠ WARNING 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

ABRASIVE | SIOUX TOOLS INDUSTRIAL CATALOG

CUTOFF TOOLS (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	Weight		Length		Air Consumption		Exhaust
	in	mm	in	mm	rpm	lb	kg	in	mm	cfm	l/s	
1 hp (0.75 kW) – Cutoff Tool – Inline – Lockoff lever Start												
SCO10S184F	4.0	100	1.1	28	18000	2.0	0.9	8.3	210	30	14	Front
SCO10S184R	4.0	100	1.1	28	18000	2.0	0.9	8.3	210	30	14	Rear
SCO10S204F	4.0	100	1.1	28	20000	2.0	0.9	8.3	210	30	14	Front
SCO10S204R	4.0	100	1.1	28	20000	2.0	0.9	8.3	210	30	14	Rear
SCO10S253F	3.0	76	1.0	25	25000	2.0	0.9	8.3	210	30	14	Front
SCO10S253R	3.0	76	1.0	25	25000	2.0	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



SCO10A106

Angle Cutoff Tool

Model Number	Blade Diameter		Depth of Cut		Free Speed	Weight		Length		Air Consumption		Spindle Thread	Exhaust
	in	mm	in	mm	rpm	lb	kg	in	mm	cfm	l/s		
SCO7A184	4.0	100	1.2	30	18000	2.5	1.4	6.4	163	25	12	3/8"-24	Front
SCO10A106	6.0	150	2.0	51	10000	3.7	1.7	8.75	220	35	16.5	5/8"-11	Rear
SCO10A125	5.0	125	1.5	38	12000	3.5	1.6	8.75	220	35	16.5	5/8"-11	Rear
SCO10A184	4.0	100	1.2	30	18000	2.5	1.4	7.75	195	35	16.5	3/8"-24	Rear
SCO10AXL124	4.0	100	1.0	25	12000	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	Weight		Length		Air Consumption		Spindle Thread	Exhaust
	in	mm	in	mm	rpm	lb	kg	in	mm	cfm	l/s		
1 hp (0.75 kW) – Lever Throttle – Aluminum Housing													
SCOA1AX124	4.0	100	1.0	25	12000	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	4.0	100	1.0	25	12000	3.6	1.6	10.5	267	35	16.5	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing													
SCOS1AX124	4.0	100	1.0	25	12000	4.5	2.0	10.5	267	35	16.5	3/8" - 24	Front
1 hp (0.75 kW) – Lever Throttle – Steel Housing with Grip													
SCOS1AX124G	4.0	100	1.0	25	12000	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

WARNING 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



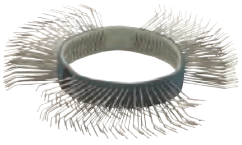
Eraser 68815



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

Signature Series Collets

200 SERIES
Heavy Duty Double Tapered Collett
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)
74070KIT	Includes 74070, 74071, 74074

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

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

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.



RO2512-50SNP



SAG03S20



SAS03S122-20

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

CE

Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption	
PSA Pad	H & L Pad	rpm	in	mm	in	mm	lb	kg	in	mm	cfm	l/s
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Non-Vacuum												
RO2512-30FNP	RO2512-30FNH	12000	3.0	75	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-30SNP	RO2512-30SNH	12000	3.0	75	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-35FNP	RO2512-35FNH	12000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-35SNP	RO2512-35SNH	12000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-50FNP	RO2512-50FNH	12000	5.0	125	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-50SNP	RO2512-50SNH	12000	5.0	125	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-50CNP	RO2512-50CNH	12000	5.0	125	3/8	10	1.5	0.7	3.3	83	13	6
RO2512-60FNP	RO2512-60FNH	12000	6.0	150	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-60SNP	RO2512-60SNH	12000	6.0	150	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-60CNP	RO2512-60CNH	12000	6.0	150	3/8	10	1.5	0.7	3.3	83	13	6
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Remote Vacuum Ready												
RO2512-30FRP	RO2512-30FRH	12000	3.0	75	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-30SRP	RO2512-30SRH	12000	3.0	75	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-35FRP	RO2512-35FRH	12000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-35SRP	RO2512-35SRH	12000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-50FRP	RO2512-50FRH	12000	5.0	125	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-50SRP	RO2512-50SRH	12000	5.0	125	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-50CRP	RO2512-50CRH	12000	5.0	125	3/8	10	1.5	0.7	3.3	83	13	6
RO2512-60FRP	RO2512-60FRH	12000	6.0	150	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-60SRP	RO2512-60SRH	12000	6.0	150	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-60CRP	RO2512-60CRH	12000	6.0	150	3/8	10	1.5	0.7	3.3	83	13	6
0.25 hp (0.19 kW) – 5/16"-24 Spindle Thread – Self-contained Venturi Vacuum												
RO2512-30FVP	RO2512-30FVH	12000	3.0	75	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-30SVP	RO2512-30SVH	12000	3.0	75	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-35FVP	RO2512-35FVH	12000	3.5	90	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-35SVP	RO2512-35SVH	12000	3.5	90	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-50FVP	RO2512-50FVH	12000	5.0	125	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-50SVP	RO2512-50SVH	12000	5.0	125	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-50CVP	RO2512-50CVH	12000	5.0	125	3/8	10	1.5	0.7	3.3	83	13	6
RO2512-60FVP	RO2512-60FVH	12000	6.0	150	3/32	3	1.5	0.7	3.3	83	13	6
RO2512-60SVP	RO2512-60SVH	12000	6.0	150	3/16	5	1.5	0.7	3.3	83	13	6
RO2512-60CVP	RO2512-60CVH	12000	6.0	150	3/8	10	1.5	0.7	3.3	83	13	6

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 60 – 62

WARNING 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 SANDER



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

CE

Model Number	Paper Size		Orbit Diameter		Weight		Height		Air Consumption Free Speed	
	in	mm	in	mm	lb	kg	in	mm	cfm	l/s
0.25 hp (0.19 kW)										
RO2510-44FNC	3-3/4 x 4-1/4	95 x 105	3/32	3	1.8	0.8	3.5	90	13	6

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 60 – 62

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

CE

Model Number		Free Speed	Pad Size		Weight		Height		Air Consumption	
PSA Pad	H & L Pad	rpm	in	mm	lb	kg	in	mm	cfm	l/s
0.45 hp (0.34 kW) Non-Vacuum										
GO459-60SNP	GO459-60SNH	900	6.0	150	4.4	2.0	5.0	127	15	7
GO459-80SNP	GO459-80SNH	900	8.0	200	4.4	2.0	5.0	127	15	7
0.45 hp (0.34 kW) Remote Vacuum										
GO459-60SRP	GO459-60SRH	900	6.0	150	4.4	2.0	5.0	127	15	7
GO459-80SRP	GO459-80SRH	900	8.0	200	4.4	2.0	5.0	127	15	7

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 60 – 62

WARNING 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

600 SERIES RANDOM ORBITAL SANDERS



658

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

600 Series Random Orbital Sanders

Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption	
PSA Pad	H & L Pad	rpm	in	mm	in	mm	lb	kg	in	mm	cfm	l/s
0.40 hp (0.30 kW) – Palm Throttle												
PS690[1]		10000	5.0	125	3/16	5	2.9	1.3	4.2	107	20	9
697[1]		10000	6.0	150	3/16	5	2.9	1.3	4.2	107	20	9
0.40 hp (0.30 kW) – Dual Action – Lever Throttle												
658[1]		10000	5.0	125	3/16	5	3.2	1.5	4.2	107	20	9

For remote vacuum ready add suffix V
[1]Not 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 60 – 62

PISTOL GRIP SANDERS



SPS10P18



SDG10P18

Performance:

Power: 1 hp (0.75 kW)
Speed: 6,000 rpm – 21,000 rpm

Features:

Trigger Start
Down-Handle Exhaust
Comfort Grip

Pistol Grip Sanders

CE

Model Number	Free Speed	Weight		Height		Air Consumption Free Speed	
	rpm	lb	kg	in	mm	cfm	l/s
1 hp (0.75 kW) – 5" (125 mm) Diameter Backing Pad							
SPS10P6	6000	1.7	0.8	4.5	115	35	17
SPS10P18	18000	1.7	0.8	4.5	115	35	17
1 hp (0.75 kW) – 1/4" Collet							
SDG10P18	18000	1.7	0.8	5.8	145	35	17
SDG10P21	21000	1.7	0.8	5.8	145	35	17

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 (SPS only)

Accessories:
Sander Accessories, see pages 60 – 62

WARNING 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



SAS05S122-20



SAS05S232-20



SAS10A182-20

Performance:

Power: 0.3 hp (0.22 kW) – 1 hp (0.75 kW)
Speed: 12,000 rpm – 23,000 rpm

Features:

Lockoff Lever Throttle
Rear Exhaust
Comfort Grip

Right Angle Disc Sanders – 1/4"-20 Internal Thread

CE

Model Number	Free Speed	Weight		Length		Air Consumption Free Speed		Spindle Thread
	rpm	lb	kg	in	mm	cfm	l/s	
0.3 hp (0.22 kW) – Lever Throttle								
SAS03S122-20	12000	1.1	0.5	5.625	143	11	5.2	1/4"-20
SAS03S202-20	20000	1.1	0.5	5.625	143	11	5.2	1/4"-20
0.5 hp (0.37 kW) – Lever Throttle								
SAS05S122-20	12000	1.6	0.73	6.9	175	23	11	1/4"-20
SAS05S152-20	15000	1.6	0.73	6.9	175	23	11	1/4"-20
SAS05S182-20	18000	1.6	0.73	6.9	175	23	11	1/4"-20
SAS05S232-20	23000	1.3	0.59	5.625	143	23	11	1/4"-20
1 hp (0.75 kW) – Lever Throttle								
SAS10A122-20	12000	2.15	0.98	7.5	190	30	14	1/4"-20
SAS10A152-20	15000	2.15	0.98	7.5	190	30	14	1/4"-20
SAS10A182-20	18000	2.15	0.98	7.5	190	30	14	1/4"-20

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 60 – 62



300 Series Collet



77016 Threaded Arbor

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

FINISHING | SIOUX TOOLS INDUSTRIAL CATALOG

RIGHT ANGLE SANDERS


SAS10A324


SAS10AX125


SAS10SX125


SAS10S125


1287L

Performance:

Power: 1 hp (0.75 kW)
Speed: 3,200 rpm – 12,000 rpm

Features:

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

Right Angle Sanders – External Thread Spindle

Model Number	Free Speed	Pad Diameter		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) – Medium Duty Head												
SAS10A324	3200	5.0	125	2.8	1.3	9.25	235	N/A	N/A	35	17	3/8"-24
SAS10A607	6000	7.0	178	2.9	1.3	9.2	234	N/A	N/A	35	17	5/8"-11
SAS10A125	12000	5.0	125	2.2	1.0	7.75	134	N/A	N/A	35	17	5/8"-11
SAS10AX125	12000	5.0	125	3.2	1.45	11.25	285	N/A	N/A	35	17	5/8"-11
1 hp (0.75 kW) – Heavy Duty Head												
SAS10S905	9000	5.0	127	3.5	1.6	8.3	211	N/A	N/A	35	17	5/8"-11
SAS10S125	12000	5.0	125	2.6	1.2	8.3	210	N/A	N/A	35	17	5/8"-11
SAS10SX125	12000	5.0	125	3.6	1.6	11.7	300	N/A	N/A	35	17	5/8"-11
1 hp (0.75 kW) – Governed Speed Control												
1287L[1]	6000	7.0	175	5.9	2.7	11.3	287	35	17	18	8	5/8"-11

[1]Not 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 60 – 62

VERTICAL SANDERS


1290


1290L


VS20AL-727

Performance:

Power: 1 hp (0.75 kW) – 2 hp (1.5 kW)
Speed: 6,000 rpm – 7,200 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		Spindle Thread
	rpm	in	mm	lb	kg	in	mm	cfm	l/s	cfm	l/s	
1 hp (0.75 kW) – Thumb Throttle												
1290	5000	7.0	175	4.1	1.9	7.2	183	30	14	38	18	5/8"-11
1 hp (0.75 kW) – Lever Throttle												
1290L	6000	7.0	175	4.1	1.9	7.2	183	30	14	38	18	5/8"-11
2 hp (1.5 kW) Class Vertical Sanders – Governed Speed Control – Lockoff Lever Throttle												
VS20AL-609	6000	9.0	230	7.4	3.3	5.5	145	75	35	26	12	5/8"-11
VS20AL-727	7200	7.0	175	7.4	3.3	5.5	145	75	35	26	12	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 60 – 62

WARNING 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



SAP10A327



1238L

Performance:

Power: 1 hp (0.75 kW)
Speed: 2,200 rpm – 4,500 rpm

Features:

Governed & Non-Governed
Lockoff Lever Throttle
Spindle Lock
Rear Exhaust (SAP)
Side Exhaust (1238L)

Right Angle Polishers

Model Number	Free Speed	Pad Diameter		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-Governed												
SAP10S227	2200	sold seperately		3.3	1.5	9.8	249	N/A	N/A	35	17	5/8"-11
SAP10A327	3200	sold seperately		2.9	1.3	9.2	234	N/A	N/A	35	17	5/8"-11
SAP10A457	4500	sold seperately		2.9	1.3	9.2	234	N/A	N/A	35	17	5/8"-11
1 hp (0.75 kW) – Governed Speed Control												
1238L	3000	8.0	200	7.9[1]	3.6	11.3	287	33	16	16	8	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:
(SAP) Parts List • Safety and Instruction Manual • Support Handle • Spindle Wrench
(1238L) Parts List • Safety and Instruction Manual • Support Handle • Backing Pad & Nut • Wool Polishing Pad • Spindle Wrench

Accessories:
Polisher Accessories, see pages 60 – 62

VERTICAL POLISHERS



1292L



1292

Performance:

Power: 1 hp (0.75 kW)
Speed: 2,000 rpm – 3,000 rpm

Features:

Lever & Thumb Throttle
Side Exhaust
Comfort Grips

Vertical Polishers

Model Number	Free Speed	Pad Diameter		Weight[1]		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) – Thumb Throttle												
1296	2000	8.0	200	4.1	1.9	7.1	180	30	14	38	18	5/8"-11
1292	3000	8.0	200	4.1	1.9	7.1	180	30	14	38	18	5/8"-11
1 hp (0.75 kW) – Lever Throttle												
1292L	3000	8.0	200	4.1	1.9	7.1	180	30	14	38	18	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 60 – 62

Comfort Grips



66667

Part Number	Description	For Use On
66667	Cushion Grip	690 series

Speed-Lok Backing Pads

For use on SAS 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) & (5/8-11)	5	125
Includes disc nut 563			

7" (175 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 with lock nut
68015	Wrench
545H Heavy-Duty Kit	
544	Disc holder
548H	Heavy-duty backing disc with lock nut
68015	Wrench

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



591



592



593



593V



593SV



594



594V

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

PSA – Vinyl face for pressure sensitive adhesive sanding discs
H & L – Hook and loop face

Polishing Accessories



1211B



1220



847

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

* Standard equipment on polishers

Vacuum Conversion Kits



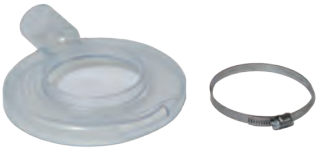
665

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

Dustless Vacuum Shrouds

Random Orbital Sander Vacuum Shroud Sioux Models RO25VS-5 and RO25VS-6





- Fit RO25 Series Random Orbital Sanders
- Available For 5" Or 6" Sanders
- Captures 99% Of Airborne Dust
- Protects Workers From Harmful Airborne Dust
- Flexible And Transparent For Better Visibility
- Includes 6 Ft. Vacuum Hose

Part Number	Description
RO25VS-5	5" Vacuum Shroud
RO25VS-6	6" Vacuum Shroud



Drill and Rivet Shaver Vacuum Shroud Sioux Model DRVS150

- Can Be Used With Any Drill Or Rivet Shaver
- Suction Holds The Shroud In Place
- Great For Tight Spaces
- Can Be Used For Drilling Holes Up To 1 3/8" Diameter
- Captures 99% Of Airborne Dust
- Protects Workers From Harmful Airborne Dust
- Transparent For Better Visibility
- Includes 6 Ft. Vacuum Hose

PERCUSSIVE



Index

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Hammers 66
Percussive Accessories . . . . . 67 – 69

PERCUSSIVE

Hammering Home A Point



Percussive tools, such as hammers, chippers and scalers are commonly used in very abusive environments found in industries such as foundry and construction. Sioux Tools offers a variety of sizes, capacities and accessories built durable to ensure long life under tough operating conditions. We build them to work hard on the job, but not on you!

Industrial Tools

Sioux offers powerful hammers that deliver up to 2,500 blows per minute (bpm), with steel rivet capacities of 5/32" (4 mm) to 1/4" (6.4 mm) and stroke lengths from 2" (50 mm) to 4" (100 mm).



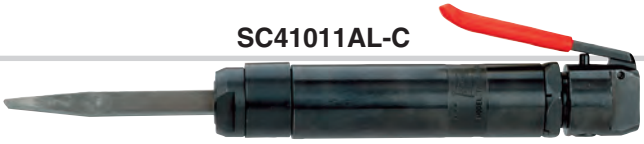
Percussive Safety

Never operate a hammer without proper retainer in place. Always disconnect air line before changing chisels. Face and eye protection must be worn while operating tools. All chisels, rivet sets and other accessories should be checked for cracks, excessive wear, or other physical damage before each use. Accessories that show damage should be replaced immediately.



SQUARE SHANK SCALERS

SC41011AL-C



SC41011AL-N5



Performance:

Stroke: 1.1" (28 mm)
Bore: 1" (25 mm)
Blows per Minute: 4,600

Features:

Lever and Push/Pull Start
Quick Release Retainer
Adjustable Needle Length

SC4 series scalers accept notched, square shank chisels and accessories. Each can be quickly converted between chisel and needle styles.



Square Shank

CE

Square Shank Scalers

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
Chisel Scaler – Lever Throttle													
SC41011AL-C	1.1	28	1.0	25	4600	4.6	2.1	10.5	263	0.9	23	12	6
Chisel Scaler – Push/Pull Throttle													
SC41011AU-C	1.1	28	1.0	25	4600	4.6	2.1	12.0	300	0.9	23	12	6
Needle Scaler – Lever Throttle													
SC41011AL-N5	1.1	28	1.0	25	4600	6.3	2.9	15.3	383	1.0	25	12	6
Needle Scaler – Push/Pull Throttle													
SC41011AU-N5	1.1	28	1.0	25	4600	6.3	2.9	16.8	420	1.0	25	12	6

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 • 7" flat chisel (chisel scalers) • 5" scaler needles (needle scalers)
Accessories:
Scaler Accessories, see pages 67 – 69

OCTAGON SHANK SCALERS

SC80910AL-C



SC80910AL-N5



Performance:

Stroke: 1" (25 mm)
Bore: 15/16" (23 mm)
Blows per Minute: 4,300

Features:

Lever Throttle
Quick Release Retainer
Adjustable Needle Length

SC8 series scalers accept notched, octagon shank chisels and accessories. Each can be quickly converted between chisel and needle styles.



Octagon Shank

CE

Octagon Shank Scalers

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
Chisel Scaler – Octagon Shank – Lever Throttle													
SC80910AL-C	1.0	25	15/16	23	4300	4.0	1.7	15	375	0.8	20	12	6
Needle Scaler – Octagon Shank – Lever Throttle													
SC80910AL-N5	1.0	25	15/16	23	4300	6.2	2.7	17	425	0.9	23	12	6

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 • 7" flat chisel (chisel scalers) • 5" scaler needles (needle scalers)
Accessories:
Scaler Accessories, see pages 67 – 69

SC4 Scaler Kit

Part No. SC41011AL-K

- SC4 Lever Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



SC8 Scaler Kit

Part No. SC80910AL-K

- SC8 Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



WARNING 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

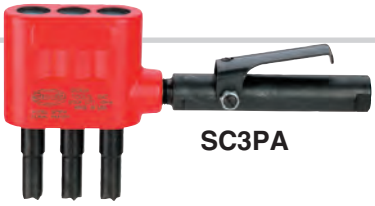
PISTON SCALERS

Performance:

Stroke: 13/16" (21 mm)
Bore: 1" (25 mm)
Blows per Minute: 5,200

Features:

Removable Side Handle (SC3 series)
Lever Operated Handle
Rugged Steel Body



SC3PA

Piston Scalers

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side to Center		Air Consumption Free Speed		Piston Type
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s	
Triple Piston Scaler														
SC3PA	13/16	21	1.0	25	5200	8.3	3.8	11	280	7/8	22	15	7	Steel
SC3PA-C	13/16	21	1.0	25	5200	8.3	3.8	11	280	7/8	22	15	7	Carbide Tipped

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: Scaler Accessories, see pages 67 – 69

Replacement Pistons

Part Number	Description
2387	Standard Steel Piston
2388	Standard Steel Piston (2" Longer Than Standard)
2390	Carbide Tipped Piston (Star Point)
2391	Solid Carbide Piston (Chisel Point)

HAMMERS

Performance:

Rivet Capacity: 5/32" (4.0 mm) – 1/4" (6.4 mm)
Stroke: 2" (50 mm) – 4" (100 mm)
Bore: 0.6" (15 mm)

Features:

Pistol Grip
Teasing Throttle Trigger Start
Accepts .401 Parker Taper Rivet Sets and Chisels



270A-4

270A

Hammers

Model Number	Steel Rivet Capacity		Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
270A-2	5/32	4.0	2.0	50	0.6	15	2500	3.0	1.4	5.8	147	1.1	28	8	4
270A	3/16	4.8	3.0	75	0.6	15	2000	3.2	1.5	6.8	173	1.1	28	8	4
270A-4	1/4	6.4	4.0	100	0.6	15	1700	3.5	1.6	7.8	198	1.1	28	8	4

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 • Beehive Retainer
Accessories: Hammer Accessories, see pages 67 – 69

FOUR BOLT CHIPPING HAMMERS

Performance:

Stroke: 2" (50 mm) – 4" (100 mm)
Bore: 1-1/8" (29 mm)

Features:

Round Front End Bushing or Hex Front End Bushing



CH43A-R

Four Bolt Chipping Hammers

Model Number	Bore		Stroke		Blows per Minute	Weight		Length		Side To Center		Air Consumption	
	in	mm	in	mm		lb	kg	in	mm	in	mm	cfm	l/s
Four Bolt Chipping Hammer – Round Front End Bushing													
CH42A-R	1-1/8	29	2.0	50	2100	18.0	8.0	16	405	1-5/8	41	33	15.6
CH43A-R	1-1/8	29	3.0	75	1650	19.0	8.6	17	430	1-5/8	41	34	16.0
CH44A-R	1-1/8	29	4.0	100	1375	20.0	9.0	18	455	1-5/8	41	35	16.5
Four Bolt Chipping Hammer – Hex Front End Bushing													
CH42A-H	1-1/8	29	2.0	50	2100	18.0	8.0	16	405	1-5/8	41	33	15.6
CH43A-H	1-1/8	29	3.0	75	1650	19.0	8.6	17	430	1-5/8	41	34	16.0
CH44A-H	1-1/8	29	4.0	100	1375	20.0	9.0	18	455	1-5/8	41	35	16.5

General: Air Inlet Size: 7/8"-24 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: Four Bolt Chipper Accessories, see pages 67 – 69

WARNING 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

Four Bolt Chipper Accessories



2476-8



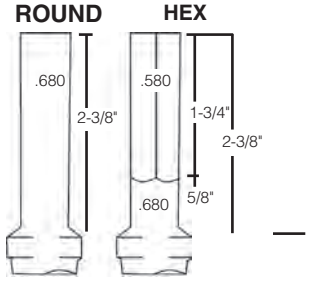
2480-9



2484-9

Part Number	For Use On
2476-8	Blank, 8", Oval Collar, Rd Shank
2477-8	Blank, 8", Oval Collar, Hex Shank
2478-8	Blank, 8", Rd Collar, Rd Shank
2479-8	Blank, 8", Rd Collar, Hex Shank
2476-11B	Blank, 11", Oval Collar, Rd Shank
2477-11	Blank, 11", Oval Collar, Hex Shank
2478-11	Blank, 11", RD Collar, Rd Shank
2479-11	Blank, 11", Rd Collar, Hex Shank
2480-9	Chisel, 9", Oval Collar, Rd Shank
2481-9	Chisel, 9", Oval Collar, Hex Shank
2482-9	Chisel, 9", Rd Collar, Rd Shank
2483-9	Chisel, 9", Rd Collar, Hex Shank
2480-12	Chisel, 12", Oval Collar, Rd Shank
2481-12	Chisel, 12", Oval Collar, Hex Shank
2482-12	Chisel, 12", Rd Collar, Rd Shank
2483-12	Chisel, 12", Rd Collar, Hex Shank
2480-18	Chisel, 18", Oval Collar, Rd Shank
2481-18	Chisel, 18", Oval Collar, Hex Shank
2482-18	Chisel, 18", Rd Collar, Rd Shank
2483-18	Chisel, 18", Rd Collar, Hex Shank
2480-24	Chisel, 24", Oval Collar, Rd Shank
2481-24	Chisel, 24", Oval Collar, Hex Shank
2484-9	Moil Point, 9", Oval Collar, Rd Shank
2485-9B	Moil Point, 9", Oval Collar, Hex Shank
2486-9	Moil Point, 9", Rd Collar, Rd Shank
2487-9	Moil Point, 9", Rd Collar, Hex Shank
2484-12	Moil Point, 12", Oval Collar, Rd Shank
2485-12	Moil Point, 12", Oval Collar, Hex Shank
2486-12	Moil Point, 12", Rd Collar, Rd Shank
2487-12	Moil Point, 12", Rd Collar, Hex Shank
2484-18	Moil Point, 18", Oval Collar, Rd Shank
2485-18	Moil Point, 18", Oval Collar, Hex Shank
2486-18	Moil Point, 18", Rd Collar, Rd Shank
2487-18	Moil Point, 18", Rd Collar, Hex Shank
2484-24B	Moil Point, 24", Oval Collar, Rd Shank
2485-24	Moil Point, 24", Oval Collar, Hex Shank
2486-24	Moil Point, 24", Rd Collar, Rd Shank

OVAL COLLAR



Four Bolt Chipper Accessories



2488-9



2492-9



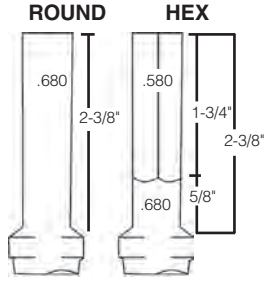
2496-9



2470

Part Number	For Use On
2488-9	Chisel, 1-1/2" X 9", Oval Collar, Rd Shank
2489-9	Chisel, 1-1/2" X 9", Oval Collar, Hex Shank
2490-9	Chisel, 1-1/2" X 9", Rd Collar, Rd Shank
2491-9	Chisel, 1-1/2" X 9", Rd Collar, Hex Shank
2488-12	Chisel, 1-1/2" X 12", Oval Collar, Rd Shank
2489-12	Chisel, 1-1/2" X 12", Oval Collar, Hex Shank
2490-12	Chisel, 1-1/2" X 12", Rd Collar, Rd Shank
2491-12	Chisel, 1-1/2" X 12", Rd Collar, Hex Shank
2488-18	Chisel, 1-1/2" X 18", Oval Collar, Rd Shank
2489-18	Chisel, 1-1/2" X 18", Oval Collar, Hex Shank
2490-18	Chisel, 1-1/2" X 18", Rd Collar, Rd Shank
2491-18	Chisel, 1-1/2" X 18", Rd Collar, Hex Shank
2492-9	Chisel, 2" X 9", Oval Collar, Rd Shank
2493-9	Chisel, 2" X 9", Oval Collar, Hex Shank
2494-9	Chisel, 2" X 9", Rd Collar, Rd Shank
2495-9B	Chisel, 2" X 9", Rd Collar, Hex Shank
2492-12	Chisel, 2" X 12", Oval Collar, Rd Shank
2493-12	Chisel, 2" X 12", Oval Collar, Hex Shank
2494-12	Chisel, 2" X 12", Rd Collar, Rd Shank
2495-12	Chisel, 2" X 12", Rd Collar, Hex Shank
2492-18	Chisel, 2" X 18", Oval Collar, Rd Shank
2493-18	Chisel, 2" X 18", Oval Collar, Hex Shank
2494-18	Chisel, 2" X 18", Rd Collar, Rd Shank
2495-18	Chisel, 2" X 18", Rd Collar, Hex Shank
2496-9	Bushing Tool, Oval Collar, Rd Shank
2497-9	Bushing Tool, Oval Collar, Hex Shank
2498-9	Bushing Tool, Rd Collar, Rd Shank
2499-9	Bushing Tool, Rd Collar, Hex Shank
2470	Quick Change Retainer

ROUND COLLAR



Scaler Accessories





SC4 Chisels	SC8 Chisels	Description	Length		Width	
			in	mm	in	mm
2187	2287	Hardened Blank	7	175	5/8	16
2188	2288	Flat Chisel	7	175	3/4	19
2189	2289	Flat Chisel	7	175	1-3/8	35
2190	2290	Spoon Chisel	7	175	1-3/8	35
2191	2291	Flat Chisel	7	175	2	50
2192	2292	Flat Chisel	12	300	5/8	16
2193	2293	Flat Chisel	12	300	1-3/8	35
2194	2294	Spoon Chisel	12	300	1-3/8	35
2195	2295	Flat Chisel	12	300	2	50
2196	2296	Flat Chisel	18	450	5/8	16
2197	2297	Flat Chisel	18	450	1-3/8	35
2198	2298	Spoon Chisel	18	450	1-3/8	35
2199	2299B	Flat Chisel	18	450	2	50

Scaler Kits



SC4 Scaler Kit

Part No. SC41011AL-K

- SC4 Lever Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case

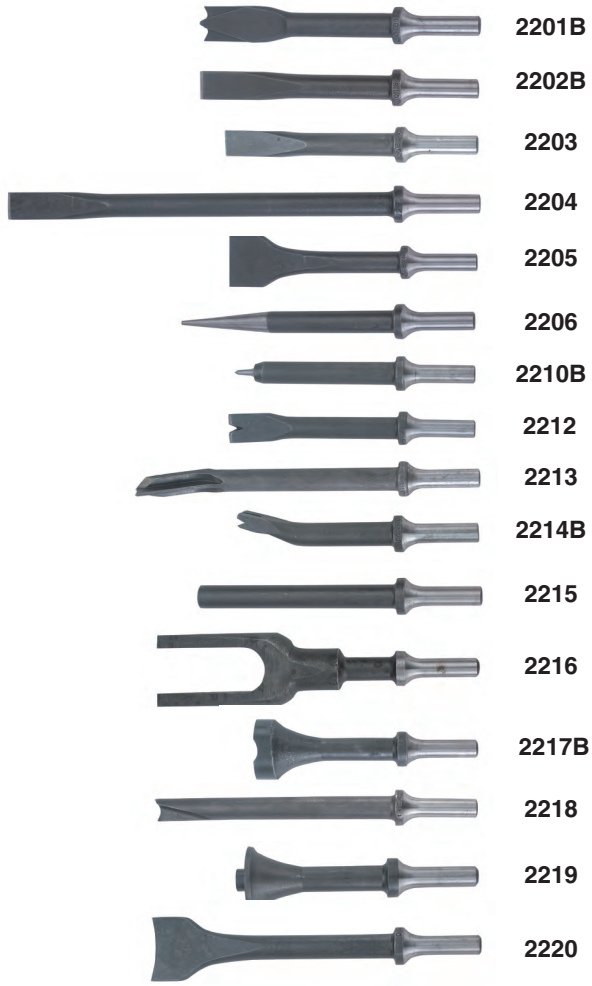


SC8 Scaler Kit

Part No. SC80910AL-K

- SC8 Needle Scaler
- Additional Set of Needles
- 3/4" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case

Hammer Accessories



270A Chisels	Description	Width		Length	
		in	mm	in	mm
2201B*	Cutter	5/8	16	6	150
2202B	Chisel	5/8	16	6	150
2203	Rivet Buster	5/8	16	5-1/2	140
2204	Expansion Chisel	5/8	16	11	280
2205*	Scraper	1-1/4	30	6	150
2206	Punch			7	175
2210B	Punch			5	127
2212	Spot Weld Breaker			6	150
2213	Splitter			8	200
2214B	Edging Chisel			5	140
2215	Blank Chisel			6	150
2216*	Fork Chisel			6-7/8	175
2217B*	Rust Breaker			5-1/4	135
2218	Bushing Cutter			7	175
2219*	Bushing Driver			4-1/2	115
2220*	Bushing Chisel	1-5/8	40	7	175

* Use 2208 Retainer

Scaling Needles



Part Number	Diameter	Length	Quantity	Used On
2260B	0.12"	5"	19	SC4, SC8 Scalers
2262	0.12"	7"	19	SC4, SC8 Scalers

WARNING 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

Beehive Spring Retainers



2207



2208

Part Number	Description
2207	Chisel Retainer Spring (Use with all except those listed below)
2208	Must use 2208 with 2201B, 2205, 2216, 2217B, and 2219, 2220, 2239, 2244, 2245, 2246, 2247

270 Rivet Sets

.401 Parker Taper Shank

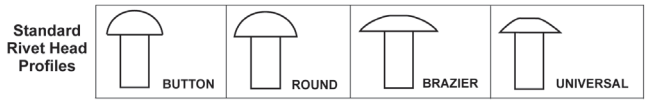


2238

Rivet Head Cupping	Rivet Diameter Size				
	3/32" Part No	1/8" Part No	5/32" Part No	3/16" Part No	1/4" Part No
Button Head	N/A	2229	2230B	2231	2244*
Round Head	2232	2233	2234B	2235	2245*
Brazier Head	2236	2237B	2238	2239	2246*
Universal Head	2240	2241B	2242B	2243B*	2247*

3-1/2" (90 mm) overall length
* Use 2208 Retainer

Rivet Set Profiles



SPECIALTY



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SPECIALTY

Special Applications Require Special Tools

Sioux Tools has a superb selection of specialty tools designed for very specific applications, and as always, we manufacture the finest tools in the industry.



Routers

Sioux offers a selection of routers and laminate trimmers in 1.0 hp (0.75 kW) or 1.5 hp (1.1 kW) configurations. They feature lockoff lever, twist or finger throttles and come with a selection of different bases.

Tappers

Choose from pistol grip or inline configurations. The pistol grip offers chuck capacity from No. 10 thru 1/2" size.

Nibbler and Shear

Our 1.0 hp (0.75 kw) nibbler and shear has the power for use on cold rolled sheet steel up to 18 gauge.

Shears

This versatile tool cuts 18 gauge steel and plastics up to 3/32" thick. It also makes straight or curve cuts clean and smooth.

Aircraft Specialty Tools

Sioux Tools offers several specialized tools for the aircraft industry such as Skin Clamp Runners, which are available in pistol grip or our exclusive Z-handle design. Rivet Shavers come in both pistol grip and inline configurations, with speeds up to 21,000 rpm.

Clinch Nut Tools

As manufacturing trends continue to evolve manufacturers are finding more and more uses for thin wall assembly applications. Sioux Tools has a selection of Clinch Nut tools that handle these unique fasteners with precision and ease, and our Rapid Reverse feature makes them the best Clinch Nut tool on the market today.

Air Powered Saws

Sioux Tools offers an outstanding and powerful Reciprocating Saw, offering variable speed control for precise cutting action in any application.



SPECIALTY | SIOUX TOOLS INDUSTRIAL CATALOG

ROUTERS

SRT10S25N



SRT10S25B



SRT10S25BB



SRT10S25LT



Performance:

Power: 1 hp (0.75 kW)
Speed: 18,000 rpm – 25,000 rpm
Collet Size: 1/4" (6 mm)

Features:

Lockoff Lever Throttle
Front Exhaust
Interchangeable Base
Built-in Speed Control

1 hp (0.75 kW) Routers

Model Number	Collet Size	Free Speed	Weight		Height		Maximum Air Consumption	
		rpm	lb	kg	in	mm	cfm	l/s
Template Nose*								
SRT10S18N	1/4	18000	2.1	0.95	9.0	230	30	14
SRT10S18M6N	6 mm	18000	2.1	0.95	9.0	230	30	14
SRT10S25N	1/4	25000	2.1	0.95	9.0	230	30	14
SRT10S25M6N	6 mm	25000	2.1	0.95	9.0	230	30	14
3" Base								
SRT10S18B	1/4	18000	2.1	0.95	9.0	230	30	14
SRT10S18M6B	6 mm	18000	2.1	0.95	9.0	230	30	14
SRT10S18BB	1/4	18000	2.6	1.15	8.3	210	30	14
SRT10S25B	1/4	25000	2.1	0.95	9.0	230	30	14
SRT10S25M6B	6 mm	25000	2.1	0.95	9.0	230	30	14
SRT10S25BB	1/4	25000	2.6	1.15	8.3	210	30	14
Laminate Trimmer								
SRT10S18LT	1/4	18000	2.9	1.30	9.3	235	30	14
SRT10S25LT	1/4	25000	2.9	1.30	9.3	235	30	14

*Template guides must be ordered separately, page 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 • Base/Head Assembly, Collet, Collet Wrenches
Accessories: Router Accessories, see pages 81 – 82

1981F



1980



RT1983



Performance:

Power: 1.5 hp (1.2 kW)
Speed: 20,000 rpm
Collet Size: 1/4" – 1/2"

Features:

Twist and Finger Throttle
4" (102 mm) or 6" (152 mm)
Diameter Base
Side Exhaust

1.5 hp (1.2 kW) Routers

Model Number	Collet Size	Free Speed	Weight		Height		Base Diameter		Maximum Air Consumption	
		rpm	lb	kg	in	mm	in	mm	cfm	l/s
Finger Throttle										
1981F	1/2"	20000	6.0	2.7	9.8	248	4.0	102	38	18
Twist Throttle										
1980A	1/4"	20000	4.5	2.0	7.6	193	4.0	102	38	18
1980	3/8"	20000	4.5	2.0	7.6	193	4.0	102	38	18
RT1981	1/2"	20000	4.5	2.0	7.6	193	4.0	102	38	18
1982A	1/4"	20000	7.5	3.4	8.3	211	6.0	152	38	18
RT1982	3/8"	20000	7.5	3.4	8.3	211	6.0	152	38	18
RT1983	1/2"	20000	7.5	3.4	8.3	211	6.0	152	38	18

General: 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 • Base & Collet Wrenches
Accessories: Router Accessories, see pages 81 – 82

WARNING
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

SPECIALTY

The Fastest Way Out of a Clinch

Sioux Tool's new rapid reverse Clinch Nut Tools are meeting the demand of today's manufacturing marketplace with versatility and simplicity. Clinch nuts, also known as captive nuts, provide a reliable means of securing assembly components in thin wall applications. These unique fasteners are inserted into predrilled holes in thin materials such as sheet metal, and with the aid of a Sioux Clinch Nut Tool, compress and expand to clamp the material. This process creates a strong, secure base with a male or female thread for assembling additional components.

Installing Clinch Nut Fasteners

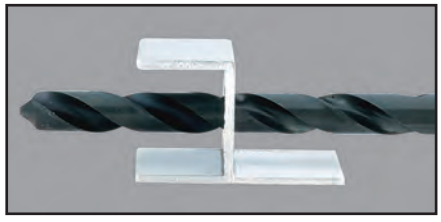
When installing clinch nut fasteners, the key to achieving high productivity with accurate, repeatable results is matching the right tool and fastener to your application. The right combination of rundown speed and stall torque in conjunction with a quick reverse method for disengaging the tool, will provide the best results. The Sioux SCN series tools offer higher torque in a wide range of speeds so you can match the right tool to your application. Our powerful tools allow you to use faster rundown speeds while maintaining high torque output, plus our exclusive Rapid Reverse feature makes short work of direction changes ensuring fast disengagement from the fastener.

Reducing Physical Load

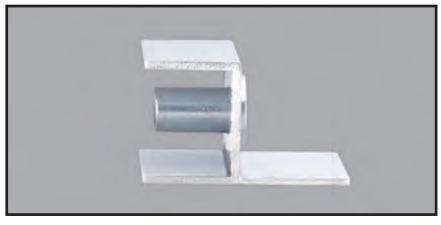
The ergonomic pistol housing with comfort rubber grip ensures operator comfort while maintaining superb balance and control. The powerful, precision motor ensures fast and consistent installation of fasteners in a variety of applications, and the wide selection of speeds and threads in both English and metric sizes make Sioux Tools your choice for all your clinch nut applications.

Clinch Nut Installation Procedure

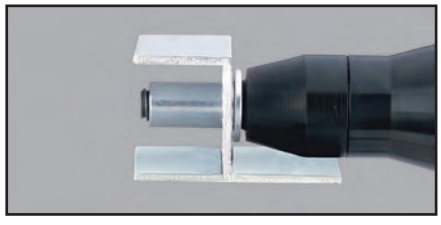
Step 1 – Pre-drill hole for fastener.



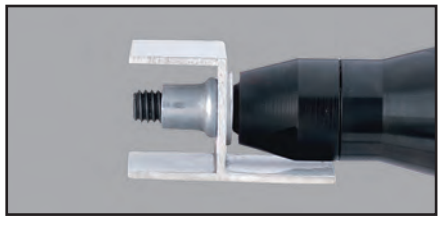
Step 2 – Insert fastener.



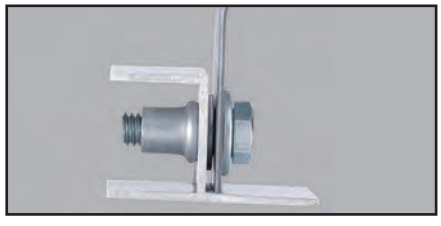
Step 3 – Thread tool into fastener.



Step 4 – Run tool to collapse fastener.
Reverse tool to release.

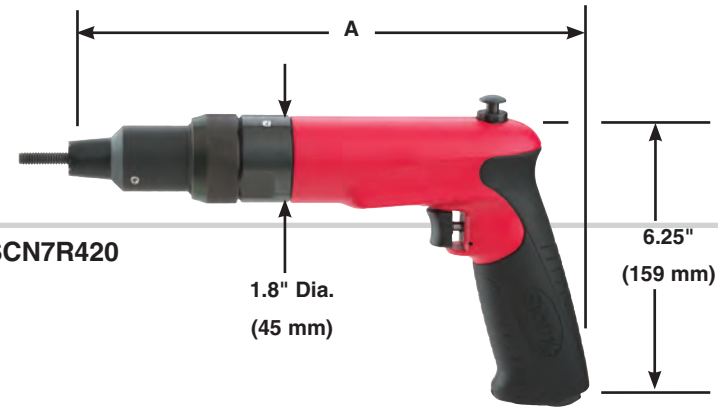


Step 5 – Assemble.



SPECIALTY | SIOUX TOOLS INDUSTRIAL CATALOG

CLINCH NUT TOOLS



Performance:

Torque: 60 in. lb (6.5 Nm) – 400 in. lb (45 Nm)
Speed: 300 rpm – 2,500 rpm

Features:

Reversible
Pistol Grip

For ordering complete tools select the appropriate power unit from the power unit table below, then select required thread size from Clinch Nut or Stud Head Unit tables. Combine part numbers for complete tool e.g. 700 rpm + 1/4-20 serrated nose = SCN7R420.

1 hp (0.75 kW) Clinch Nut Power Unit

CE

Model Number	Free Speed	Maximum Torque		Weight		"A" Dimension		Side To Center		Maximum Air Consumption	
	rpm	in lb	Nm	lb	kg	in	mm	in	mm	cfm	l/s
Pistol Grip – Rapid Reverse – Power Unit Only Specifications											
SCN3R	300	400	45.2	3.2	1.5	11	279	0.9	20	30	14
SCN5R	500	325	36.7	3.2	1.5	11	279	0.9	20	30	14
SCN7R	700	220	24.8	3.2	1.5	11	279	0.9	20	30	14
SCN12R	1200	145	16.4	3.2	1.5	11	279	0.9	20	30	14
SCN20R	2000	80	9.0	2.8	1.3	10	254	0.9	20	30	14
SCN25R	2500	60	6.5	2.8	1.3	10	254	0.9	20	30	14

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:
Clinch Nut Accessories, see pages 81 – 82



Front End Attachments

Clinch Nut



Thread Size	Order Number Suffix	
	Serrated Nose	Smooth Nose
#4-40	440	440S
M3 x 0.5	M305	M305S
#6-32	632	632S
#8-32	832	832S
M4 x 0.7	M407	M407S
#10-24	1024	1024S
#10-32	1032	1032S
M5 x 0.8	M508	M508S
1/4-20	420	420S
M6 x 1.0	M610	M610S
5/16-18	518	518S
M8 x 1.25	M8125	M8125S
3/8-16	616	616S
M10 x 1.5	M1015	M1015S

Clinch Stud



Thread Size	Order Number Suffix	
	Serrated Nose	Smooth Nose
#4-40	440F	440SF
M3 x 0.5	M305F	M305SF
#6-32	632F	632SF
#8-32	832F	832SF
M4 x 0.7	M407F	M407SF
#10-24	1024F	1024SF
#10-32	1032F	1032SF
M5 x 0.8	M508F	M508SF
1/4-20	420F	420SF
M6 x 1.0	M610F	M610SF
5/16-18	518F	518SF
M8 x 1.25	M8125F	M8125SF
3/8-16	616F	616SF
M10 x 1.5	M1015F	M1015SF

Head unit assemblies can be ordered separately by adding the prefix SCN to the above part number (example 1/4-20 serrated nose = SCN-420).

Performance:

Power: 1 hp (0.75 kW)
Torque: 145 in. lb (16 Nm) – 400 in. lb (45 Nm)
Speed: 300 rpm – 1,200 rpm

Features:

Pistol Grip Handle
Rapid Reverse

Capacity:

1/4" in Steel
5/16" in Aluminum



Tappers

Model Number	Chuck Capacity		Maximum Torque		Free Speed	Weight		Length		Air Consumption	
	in	mm	in lb	Nm	rpm	lb	kg	in	mm	cfm	l/s
1 hp (0.75 kW) – Pistol Grip – Trigger Start											
STP10P3C20	#10-5/16	5-8	400	45	300	2.9	1.3	7.3	185	30	14
STP10P3C32	1/4-1/2	6-13	400	45	300	2.9	1.3	7.3	185	30	14
1 hp (0.75 kW) – Inline – B12 Taper Spindle											
STP10S12B12			145	16	1200	2.5	1.2	9.5	240	30	14
STP10S7B12			220	25	700	2.5	1.2	9.5	240	30	14
STP10S5B12			325	37	500	2.5	1.2	9.5	240	30	14
STP10S3B12			400	45	300	2.5	1.2	9.5	240	30	14

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 • Tapping Chuck (model STP10P3C series)
Accessories: Tapper Accessories, see pages 81 – 82

RIVET SHAVERS

Performance:

Power: 0.6 hp (0.45 kW) - 1 hp (0.75 kW)
Speed: 21,000 rpm

Features:

0.0005" Locking Depth Increments
Spindle Lock
SRS6P E-Z Set and Lock
SRS10P Locking Collar with Reference Marks

Rivet Shavers

Model Number	Cutter Diameter		Free Speed	Weight		Length		Side to Center		Maximum Air Consumption	
	in	mm	rpm	lb	kg	in	mm	in	mm	cfm	l/s
0.6 hp (0.45 kW) – Pistol Grip – 1/4"-28 Internal Thread											
SRS6P21-5	5/16	8	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-6	3/8	10	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-7	7/16	11	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-8	1/2	13	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-9	9/16	14	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-10	5/8	16	21000	2.0	0.9	6.5	165	0.8	21	25	12
SRS6P21-9W	9/16	14	21000	2.0	0.9	6.5	165	0.8	21	25	12
1 hp (0.75 kW) – Pistol Grip – 1/4"-28 Internal Thread											
SRS10P21-5	5/16	8	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-6	3/8	10	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-7	7/16	11	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-8	1/2	13	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-9	9/16	14	21000	2.7	1.2	8.0	205	0.9	23	25	12
SRS10P21-10	5/8	16	21000	2.7	1.2	8.0	205	0.9	23	25	12
1 hp (0.75 kW) – Inline – 1/4"-28 Internal Thread											
SRS10S21-8	1/2	13	21000	2.5	1.1	10.0	255	0.9	23	30	14

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 • Skirt • Comfort Grip (Pistol Grip models) Stabilizer (SRS10P) • Cutters Not Included







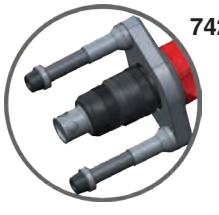
RIVET SHAVER SKIRTS AND STABILIZER

Part Number	Cutter Diameter	
	in	mm
2925-5	5/16	8
2925-6	3/8	10
2925-7	7/16	11
2925-8B	1/2	13
2925-9	9/16	14
2925-9W	9/16	14
2925-10	5/8	16



3/4-16 Thread

2925-8B



74274A

Part Number	For Use On
74274A	SRS6P21 series

SPECIALTY | SIOUX TOOLS INDUSTRIAL CATALOG

SKIN CLAMP RUNNERS


2S2300SR


14S2500R


SSR6P25

Performance:

Speed: 2,200 rpm - 2,500 rpm

Features:

Pistol Grip and Z-Handle
1/2-12 Point Internal, 9/16-6 Point External Hex

Skin Clamp Runners

Model Number	Fastener Type	Free Speed	Weight		Length		Side to Center		Air Consumption Free Speed	
		rpm	lb	kg	in	mm	in	mm	cfm	l/s
0.20 hp (0.15 kW) – Pistol Grip										
14S2500SR	Cylindrical	2500	1.7	0.7	7.3	185	1.3	33	8	4
0.33 hp (0.25 kW) – Z-Handle										
2S2300SR	Hex	2200	2.6	1.2	5.7	145	0.9	23	16	8
0.40 hp (0.30 kW) – Pistol Grip										
SSR6P25	Hex	2500	2.7	1.2	9.2	234	0.9	23	30	14

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 (Pistol Grip models)
Accessories: Skin Clamp Runner Accessories, see pages 81 – 82

RECIPROCATING SAWS

Performance:

Power: 1 hp (0.75 kW)
Strokes per Minute: 1,800
Stroke Length: 0.6" (15 mm)

Features:

Lockoff Trigger Start
Variable Speed
Swivel Air Inlet


1300

Reciprocating Saw

Model Number	Stroke Length		Strokes per Minute	Power		Weight		Length		Air Consumption	
	in	mm		hp	kW	lb	kg	in	mm	cfm	l/s
1300	0.6	15	1800	1	0.7	7.8	3.5	17.2	437	35	17

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 • Swivel Air Inlet • 10 Blades • Protective Boot
Accessories: Reciprocating Saw Accessories, see pages 81 – 82

Reciprocating Saw Blades


1815


1816

Reciprocating Saw Blades

Part Number	Length		Teeth Per Inch
	in	mm	
For Use on Model 1300			
1815B	6	150	10
1810	6	150	14
1813	4	100	14
1811	6	150	18
1812	4	100	18
1814	6	150	24
1816	6	150	6
1819	12	300	6

Packaged in Cartons of 5


1823

Air Saw Blades

Part Number	Length		Teeth Per Inch
	in	mm	
For Use on Model RS10K			
1823	3.7	94	18
1824B	3.7	94	24
1825	3.7	94	32

RECIPROCATING SAWS

Performance:

Strokes per Minute: 10,000
Stroke Length: 0.375" (10 mm)
Cuts up to 1/8" (3 mm) mild steel

Features:

Lock-off lever start
Low vibration
360° Adjustable Exhaust Deflector
Dual chuck accepts: standard air saw blades AND reciprocating saw blades, up to 0.040" thick



RS10K

Reciprocating Saw

Model Number	Stroke Length		Strokes per Minute	Weight		Length		Air Consumption	
	in	mm		lb	kg	in	mm	cfm	l/s
RS10K	0.375	10	10000	1.53	0.69	9.4	240	8.4	4.0

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 • Swivel Air Inlet • Protective Boot
Accessories:
Reciprocating Saw Accessories, see pages 81 – 82

NIBBLER

Performance:

Power: 1 hp (0.75 kW)
Capacity: 18 Gauge Cold Rolled Steel



SNH10S18

Nibbler

Model Number	Capacity (Cold Rolled Steel)	Power		Weight		Length		Side to Center		Maximum Air Consumption	
	in	hp	kW	lb	kg	in	mm	in	mm	cfm	l/s
Nibbler											
SNH10S18[1]	18 Ga	1	0.75	2.65	1.2	8.5	215	0.9	32	30	14

[1] Not 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
Accessories:
Nibbler Accessories, see pages 81 – 82

SHEARS

Performance:

Power: 1 hp (0.75 kW)
Capacity: 18 Gauge Cold Rolled Steel



SSH10S18



SSH10P18

Shears

Model Number	Capacity (Cold Rolled Steel)	Power		Weight		Length		Side to Center		Maximum Air Consumption	
	in	hp	kW	lb	kg	in	mm	in	mm	cfm	l/s
Shears											
SSH10S18[1]	18 Ga	1	0.75	2.75	1.25	11.0	280	0.9	32	30	14
SSH10P18	18 Ga.	1	0.75	2.9	1.3	10.0	255	0.9	22	30	14

[1] Not 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 • Comfort Grip (SSH10P18)
Accessories:
Shears Accessories, see pages 81 – 82

SPECIALTY

Compression Riveters

Principles of Operation

Air powered compression riveters deliver a squeezing action, which drives the rivet by "flowing" the rivet metal with compressed forces. Squeezing action is obtained by coupling an air cylinder and piston to a wedge or cam, thus multiplying the original force to extreme ratios. High compressive forces are obtained from a relatively compact unit having small diameter cylinders and using very little compressed air.

The advantage of squeeze riveting is simple sounds of air exhaust and forward piston movement developing tremendous pressures being exerted at the work point.

Optimum control may be obtained in compression riveting. The rivet head is formed by a steady, uniform squeeze action. The set plunger and dolly are an integral part of the squeezer itself.

Length of the return stoke may be adjusted that the plunger itself does not have to travel its full length.

Consistently applied pressure makes for a better appearance of the finished product as well as giving the ultimate in structural efficiency.

Classification of Squeezers:

Alligator: The squeezing action of the jaws are similar to the movement of an Alligators jaws.

'C' Type: The rivet is squeezed between the two ends of the 'C'.

Type of Rivet:

Rivet material.

Rivet body diameter.

Rivet length before and after compression.

Force required to compress rivet.

Riveter Selection Guide:

What material is the rivet made from?

What size is the rivet?

What is the form of the head?

What components are being assembled?

Are there any clearance problems?

Is Alligator or 'C' type yoke required?

How is the application being done now?

Are there any special considerations?

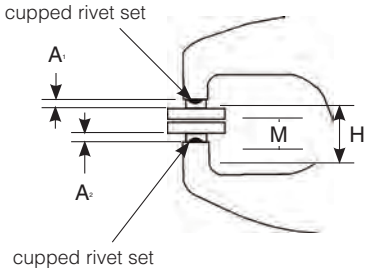
COMPRESSION RIVETERS

For maximum power the combined length of the two rivet sets must be of the correct length.

Determine the correct lengths as follows:

1) When two cupped rivet sets are used:

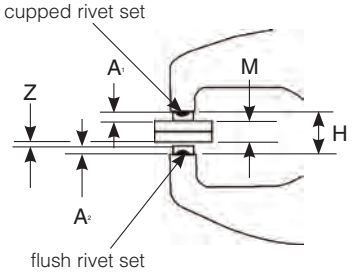
The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the total thickness of material being riveted together.



$A_1 + A_2 = H - M$

2) When one cupped set and one flush set are used:

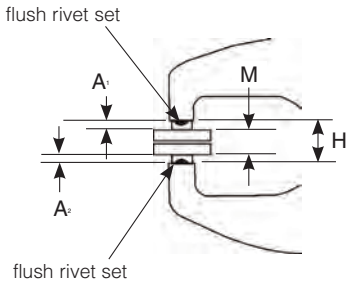
The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke H minus the total thickness of material being riveted (M) and the height of the finished rivet head (Z) compressed by the flush set (A).



$A_1 + A_2 = H - M - Z$

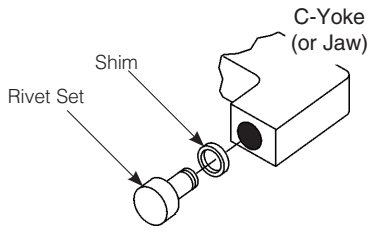
3) When two flush sets are used:

The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the overall length of the rivet (M) after it is compressed.



$A_1 + A_2 = H - L$

If necessary, select rivet sets a little short and shim to the correct length using spacer shims.



Features:

Single, Tandem, and Triple Cylinder Options
Riveting Capacity:
1/8" (3 mm) (Single Cylinder)
3/16" (5 mm) (Tandem Cylinder)
1/4" (6 mm) (Triple Cylinder)
Safety Throttle



SZEA5030



SZEA7030



SZEA9030

Compression Riveters

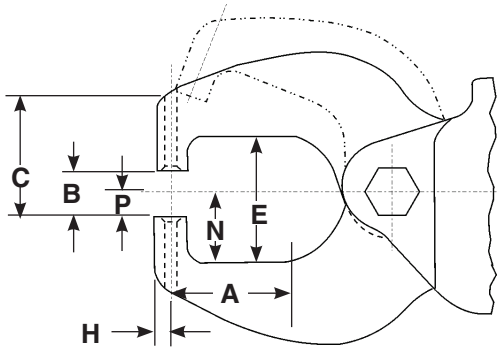
Model Number	Rivet Set Shank Diameter		Cap Cold Rivet Diameter				Standard Alligator Yoke Dimension				Max Force at 90 psi		Moving Jaw				Net Weight w/ Yoke		Overall Length	
			Steel		Alum		Reach		Closed Ht				Max Travel		Stroke at Max Force					
	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kN	in	mm	in	mm	lb	kg	in	mm
CR-1 – Single Cylinder																				
SZEA5000	NA	NA	3/32	2	1/8	3	NA	NA	NA	NA	3000	13.4	5/8	16	final 1/16	2	2-1/4	1.0	7-11/16	195
SZEA5015	3/16	5	3/32	2	1/8	3	1-1/2	38	7/8	22	3000	13.4	5/8	16	final 1/16	2	3.75	1.7	9-3/16	233
SZEA5022	3/16	5	3/32	2	3/32	2	2-1/4	57	7/8	22	2200	9.8	7/8	22	final 3/32	2	4.25	1.9	10-1/8	257
SZEA5030	3/16	5	3/32	2	3/32	2	3	76	7/8	22	1800	8.0	1-1/4	32	final 1/8	3	4.75	2.2	10-7/8	276
CR-1 – Tandem Cylinder																				
SZEA7000	NA	NA	5/32	4	3/16	5	NA	NA	NA	NA	6000	26.7	5/8	16	final 1/16	2	4.0	1.8	10-1/2	267
SZEA7015	3/16	5	5/32	4	3/16	5	1-1/2	38	7/8	22	6000	26.7	5/8	16	final 1/16	2	5.5	2.5	12	305
SZEA7022	3/16	5	1/8	3	5/32	4	2-1/4	57	7/8	22	4300	19.1	7/8	22	final 3/32	2	6.0	2.7	13	330
SZEA7030	3/16	5	3/32	2	1/8	3	3	76	7/8	22	3400	15.1	1-1/4	32	final 1/8	3	6.25	2.8	13.75	349
CR-1 – Triple Cylinder																				
SZEA9000	NA	NA	3/16	5	1/4	6	NA	NA	NA	NA	9000	40.1	5/8	16	final 1/16	2	5.5	2.5	14.5	368
SZEA9015	3/16	5	3/16	5	1/4	6	1-1/2	38	7/8	22	9000	40.1	5/8	16	final 1/16	2	7.0	3.2	16	406
SZEA9022	3/16	5	5/32	4	3/16	5	2-1/4	57	7/8	22	7000	31.2	7/8	22	final 3/32	2	7.5	93.4	16.75	426
SZEA9030	3/16	5	5/32	4	3/16	5	3	76	7/8	22	5200	23.1	1-1/4	32	final 1/8	3	8.0	3.6	17.5	445

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 • Safety throttle action

Alligator Yoke Nomenclature

A Reach
B Closed Height
C Total
E Gap
H Lowest Offset
N Depth from centerline to Stationary Jaw Gap
P Depth from centerline to Stationary Jaw set hole surface



A		B		C		E		H		N		P	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-1/2	38	7/8	22	1-1/2	38	1-5/8	41	7/32	6	1.0	1	5/8	16
2-1/4	57	7/8	22	1-7/8	48	2-1/8	54	7/32	6	1-1/4	32	5/8	16
3	76	7/8	22	2-1/8	54	2-1/8	54	7/32	6	1-1/4	32	5/8	16

SPECIALTY | SIOUX TOOLS INDUSTRIAL CATALOG

COMPRESSION RIVETERS

Features:

Single, Tandem, and Triple Cylinder Options
Riveting Capacity:
1/8" (3 mm) (Single Cylinder)
3/16" (5 mm) (Tandem Cylinder)
1/4" (6 mm) (Triple Cylinder)
Safety Throttle



SZEA3015



SZEA6015



SZEA8015

Compression Riveters

Model Number	Rivet Set Shank Diameter		Cap Cold Rivet Diameter				Standard "C" Yoke Dimension				Closed Height		Max Travel		Max Force at 90 psi		Stroke at Max Force		Net Weight w/ Yoke		Overall Length	
			Steel		Alum		Reach		Gap													
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kN	in	mm	lb	kg	in	mm
CR-1 – Single Cylinder																						
SZEA3000	N/A	N/A	3/32	2	1/8	3	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	3000	13.4	ƒ-1/16	2	3-1/2	1.6	8-1/2	216
SZEA3015	3/16	5	3/32	2	1/8	3	1-1/2	38	1-1/4	32	11/16	78	9/16	14	3000	13.4	ƒ-1/16	2	4-1/2	2	10-1/4	262
CR-1 – Tandem Cylinder																						
SZEA6000	N/A	N/A	5/32	4	3/16	5	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	6000	26.7	ƒ-1/16	2	4-1/2	2	11-1/4	287
SZEA6015	3/16	5	5/32	4	3/16	5	1-1/2	38	1-1/4	32	11/16	78	9/16	14	6000	26.7	ƒ-1/16	2	5-1/2	2.5	14	356
CR-1 – Triple Cylinder																						
SZEA8000	N/A	N/A	5/32	4	1/4	6	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	9000	40.1	ƒ-1/16	2	7-1/2	3.4	16	406
SZEA8015	3/16	5	3/16	5	1/4	6	1-1/2	38	1-1/4	32	11/16	78	9/16	14	9000	40.1	ƒ-1/16	2	8-1/2	3.9	18-3/4	476

Due to a variety of jobs and applications, Squeeze Riveters are not supplied with rivet sets.
Please contact Sioux Tools, Inc. or your local distributor for rivet set information.

General:

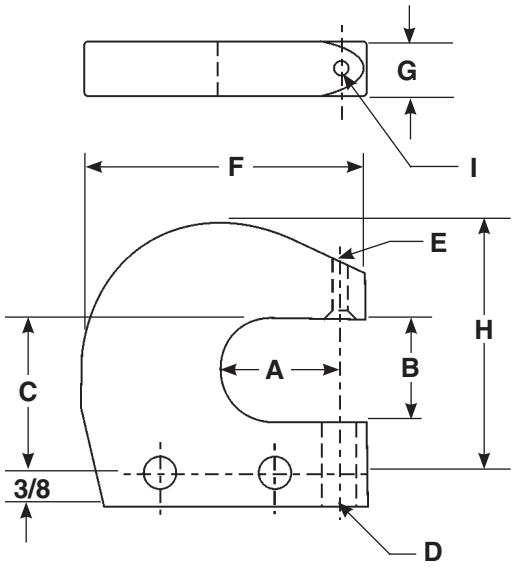
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment:

Parts List • Safety and Instruction Manual • Safety throttle action

C-Yoke Nomenclature

A Reach
B Gap
C Height from yoke hole to center to top of yoke gap
D Bottom set hole diameter CR-1 or CR-2
E Top set hole diameter CR-1 or CR-2
F Width of yoke set hole center to top of yoke
G Thickness of yoke
H Height of yoke from bolt hole center to top of yoke
I Radius from set hole center



A		B		C		D		E		F		G		H		I	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-1/2	38	1-1/4	32	1-7/8	48	3/8	10	3/16	5	2-7/8	73	9/16	14	3	76	1/4	6
						7/16	11	1/4	6								

Rivet Shaver Skirts

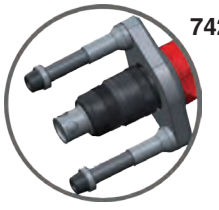


3/4-16 Thread

2925-8B

Part Number	Cutter Diameter	
	in	mm
2925-5	5/16	8
2925-6	3/8	10
2925-7	7/16	11
2925-8B	1/2	13
2925-9	9/16	14
2925-9W	9/16	14
2925-10	5/8	16

Stabilizer



74274A

Part Number	For Use On
74274A	SRS6P21 series

Collets



44440

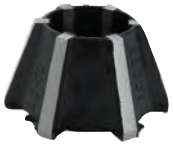


21126B

Collet Type	Part Number	Capacity	For Use On
Sioux	44440	1/4"	1971HP series
Sioux	66038	6 mm	1971HP series
100 Series	21126B	1/4"	1980A, 1982A, RT1985
100 Series	21125	3/8"	1980, RT1982, 1985A
100 Series	21124	1/2"	1981F, RT1981, RT1983, 1985-1/2



21095



21139

Collet Type	Collets
21095	#10 - 5/16"
21139	1/4" - 1/2"

Signature Series Support Handle

Part No. 77067A

For use on 10P and 10S tools.



Collet Chuck Assemblies

Sioux Style Collets



Collet Body **Collet Insert** **Collet Nut**

Collet Chuck Assemblies	Sioux Collet Chuck				
	1/8"	3 mm	3/16"	1/4"	6 mm
Chuck Assembly	43342	68617	43341	43340	68618
Collet Body	21096	21096	21096	21096	21096
Collet Insert	44522	66037	44523	44440	66038
Collet Nose	N/A	N/A	N/A	N/A	N/A
Collet Nut	21097	21097	21097	21097	21097

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")
77400	Collet (1/4") Heavy Duty
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)
74070KIT	Includes 74070, 74071, 74074

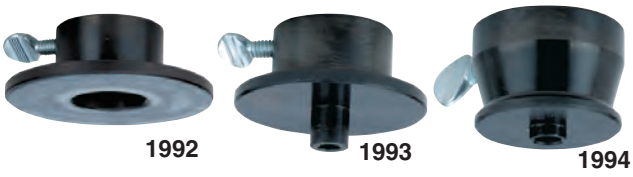
300 Series Heavy Duty Double Tapered Collet



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

Router Base Assembly



Part Number	Used On
1992	SRT10S25BB
1993	1971HP / SRT10S25BB
1994	1971HPC / SRT10S25BB

Laminate Base Trimmer

Part No. 1991

For use on SRT10S25LT series routers



Reciprocating Saw Blades

Packaged in Cartons of 5



1815



1816

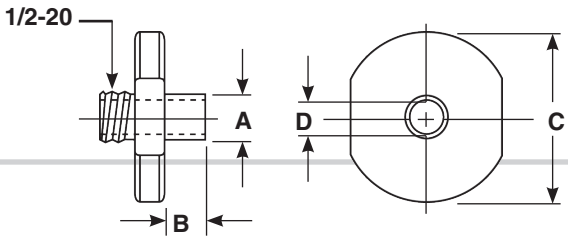
Part Number	Length		Teeth Per Inch
	in	mm	
For Use on Model 1300 & RS10K			
1815B	6	150	10
1810	6	150	14
1813	4	100	14
1811	6	150	18
1812	4	100	18
1814	6	150	24
1816	6	150	6
1819	12	300	6



1823

Part Number	Length		Teeth Per Inch
	in	mm	
For Use on Model RS10K			
1823	3.7	94	18
1824B	3.7	94	24
1825	3.7	94	32

Template Guide Chart



Part Number	Dimensions in Inches			
	A Pilot OD	B Pilot Length	C Flange OD	D Pilot ID
68613-12	3/8	1/4	3/4	9/32
68613-14	3/8	3/8	3/4	9/32
68613-16	3/8	1/2	3/4	9/32
68613-22	3/8	1/8	1-1/2	9/32
68613-24	3/8	1/4	1-1/2	9/32
68613-26	3/8	3/8	1-1/2	9/32
68613-40	7/16	1/4	3/4	21/64
68613-42	7/16	3/8	3/4	21/64
68613-44	7/16	1/2	1-1/2	21/64
68613-48	7/16	1/4	1-1/2	21/64
68613-50	7/16	3/8	1-1/2	21/64
68613-52	7/16	1/2	1-1/2	21/64
68613-62	1/2	1/4	1-1/2	11/32
68613-64	1/2	3/8	1-1/2	11/32
68613-66	1/2	1/2	1-1/2	11/32
68613-72	1/2	1/2	2-1/2	11/32

Filter, Regulator, Lubricator Assembly

Part No. 1660B

1/2" NPT fittings
Air Flow: 30 – 75 cfm



1660B

Part Number	Description
1660B	Complete Air Control Unit, 1/2" PT
1661	Lubricator Only, 1/2" PT
1662A	Regulator with Gauge, 1/2" PT
1663	Manual Flex Drain Filter, 1/2" PT
1667	Automatic Drain – Optional

Filter, Regulator, Lubricator Assembly

Part No. 1651MA

3/4" NPT air fittings
Air Flow: Over 75 cfm

1651MA



Part Number	Description
1651MA	Complete Automatic Air Control Unit, 3/4" PT, larger capacity and float type filter for automatic drain
1652M	Lubricator only, 3/4" PT, 1 quart capacity
1654B	Regulator with Gauge, 3/4" PT
1653MA	Automatic Air Filter, 3/4" PT, automatic float drain empties when full

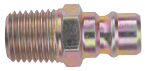
Air Regulator

Part No. 1335B

1/4" NPT Male/Female
- Mounts inline with air inlet
- Allows fine adjustment of air flow



Hi-Capacity Quick Change Couplers



1316



1391



1395

Part Number	Description	Thread
1316	Male Coupler Nipple	1/4" NPT
1317	Male Coupler Nipple	3/8" NPT
1318	Male Coupler Nipple	1/2" NPT
1391B	Quick Change Coupler	1/4" NPT
1392B	Quick Change Coupler	3/8" NPT
1393	Quick Change Coupler	1/2" NPT
1395	Female Coupler Nipple	1/4" NPT
1396	Female Coupler Nipple	3/8" NPT

Nylon Recoil Air Hose



1326

Part Number	ID		Length		Fittings
	in	mm	ft	m	
1326B	1/4	6	25	7.6	1/4" NPT
1327B	3/8	10	25	7.6	1/4" NPT

Sioux Swivel

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



1338-25



1338FC-25

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

Balancers



2300-4

Part Number	Capacity		Cable Length	
	lb	kg	ft	m
2300-4	2 - 4	0.9 – 1.8	6.7	2
2300-6	4 - 6	1.8 – 2.7	6.7	2
2300-8	6 - 8	2.7 – 3.6	6.7	2

Grease Gun

Part No. 439

Use with impact wrenches and multi-assembly angle tools.
For use with grease tube 1232A-04.



Grease Nozzle

Part No. 469A

Used with No. 468A grease gun.



Grease

Part Number	Description
289A	1 Quart
289A-1	2 Pounds
289A-2	6 Pounds
1198	6 Ounces
1198-1	2 Pounds
1198-2	6 Pounds
1232A-04	4 Ounces
1232A-1	1 Quart

Air Motor Oil For Air Tools

Part No. 288

1/2 Pint

Part No. 288-1

1 Quart

Part No. 288-2

2 Liter



WARNING 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

Service

Factory Authorized Service

Sioux Tools has Authorized Service Distributors conveniently located throughout the U.S., Canada and internationally to provide you with service virtually anywhere, anytime. Each is staffed with professional tool repair technicians who know Sioux tools, inside and out, and are able to provide complete and comprehensive repairs.

Each location features the newest in testing and inspection equipment to ensure your tool is repaired and serviced properly…the first time. Every tool that is serviced or repaired is calibrated and tested to the latest standards guaranteeing you the best performance possible.

See inside back cover for a complete listing of Authorized Service Distributors.

Training

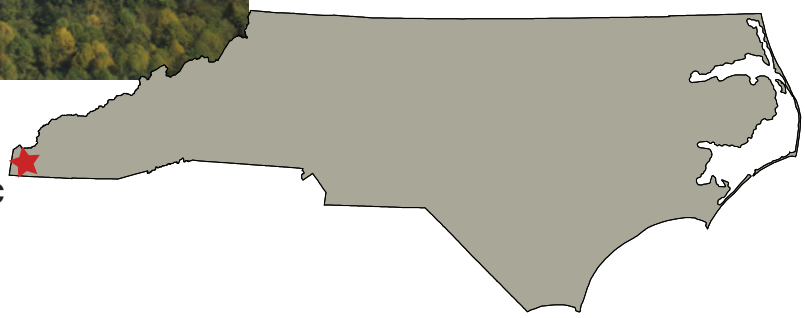
Committed to your Success

To ensure your personnel are knowledgeable about not only Sioux products, but all air tools and products, Sioux Tools conducts training seminars that cover all aspects of the tools we sell. We offer introductory training seminars to help you understand our entire line of tools and their basic operation. Advanced training is tailored to individual needs to help build the skill of an experienced student. In addition, hands-on training is available with particular focus on troubleshooting and repairing.

For additional information on Sioux Tools training seminars, please contact your Sioux Tools Sales Representative.



Our 168,000 ft² facility in Murphy, North Carolina employees 300 associates. Each tool is designed and manufactured right here, with a distribution center that ships daily around the globe.



Murphy, NC

SIOUX TOOLS INDUSTRIAL CATALOG | **CONVERSION CHART**

INCH	DECIMAL	MILLIMETER
1/64	.0156	0.397
1/32	.0312	0.794
	.0394	1.000
3/64	.0469	1.191
1/16	.0625	1.587
5/64	.0781	1.984
	.0787	2.000
3/32	.0937	2.381
7/64	.1094	2.778
	.1181	3.000
1/8	.1250	3.175
9/64	.1406	3.572
5/32	.1562	3.969
	.1575	4.000
11/64	.1719	4.366
3/16	.1875	4.762
	.1968	5.000
13/64	.2031	5.159
7/32	.2187	5.556
15/64	.2344	5.953
	.2362	6.000
1/4	.2500	6.350
17/64	.2656	6.747
	.2756	7.000
9/32	.2812	7.144
19/64	.2969	7.541
5/16	.3125	7.937
	.3150	8.000
21/64	.3281	8.334
11/32	.3437	8.731
	.3543	9.000
23/64	.3594	9.128
3/8	.3750	9.525
25/64	.3906	9.922
	.3937	10.000
13/32	.4062	10.319
27/64	.4219	10.716
	.4331	11.000
7/16	.4375	11.112
29/64	.4531	11.509
15/32	.4687	11.906
	.4724	12.000
31/64	.4844	12.303
1/2	.5000	12.700
	.5118	13.000
33/64	.5156	13.097
17/32	.5312	13.494
35/64	.5469	13.891
	.5512	14.000
9/16	.5625	14.287
37/64	.5781	14.684
	.5906	15.000
19/32	.5937	15.081
39/64	.6094	15.478
5/8	.6250	15.875
	.6299	16.000
41/64	.6406	16.272
21/32	.6562	16.669
	.6693	17.000
43/64	.6719	17.066
11/16	.6875	17.462
45/64	.7031	17.859
	.7087	18.000
23/32	.7187	18.256
47/64	.7344	18.653
	.7480	19.000
3/4	.7500	19.050
49/64	.7656	19.447
25/32	.7812	19.844
	.7874	20.000
51/64	.7969	20.241
13/16	.8125	20.637
	.8268	21.000
53/64	.8281	21.034
27/32	.8437	21.431
55/64	.8594	21.828
	.8661	22.000
7/8	.8750	22.225
57/64	.8906	22.622
	.9055	23.000
29/32	.9062	23.019
59/64	.9219	23.416
15/16	.9375	23.812
	.9449	24.000
61/64	.9531	24.209
31/32	.9687	24.606
	.9843	25.000
63/64	.9844	25.003
	1.0000	25.400

MILLIMETERS	INCHES
26	1.0236
27	1.0630
28	1.1024
29	1.1417
30	1.1811
31	1.2205
32	1.2598
33	1.2992
34	1.3386
35	1.3780
36	1.4173
37	1.4567
38	1.4961
39	1.5354
40	1.5748
41	1.6142
42	1.6535
43	1.6929
44	1.7323
45	1.7717
46	1.8110
47	1.8504
48	1.8898
49	1.9291
50	1.9685
51	2.0079
52	2.0472
53	2.0866
54	2.1260
55	2.1654
56	2.2047
57	2.2441
58	2.2835
59	2.3228
60	2.3622
61	2.4016
62	2.4409
63	2.4803
64	2.5197
65	2.5591
66	2.5984
67	2.6378
68	2.6772
69	2.7165
70	2.7559
71	2.7953
72	2.8346
73	2.8740
74	2.9134
75	2.9528
76	2.9921
77	3.0315
78	3.0709
79	3.1102
80	3.1496
81	3.1890
82	3.2283
83	3.2677
84	3.3071
85	3.3465
86	3.3858
87	3.4252
88	3.4646
89	3.5039
90	3.5433
91	3.5827
92	3.6220
93	3.6614

MILLIMETERS	INCHES
94	3.7008
95	3.7402
96	3.7795
97	3.8189
98	3.8583
99	3.8976
100	3.9370
110	4.3307
120	4.7244
130	5.1181
140	5.5118
150	5.9055
160	6.2992
200	7.8740
300	11.8110
400	15.7480
500	19.6850
600	23.6220
700	27.5591
800	31.4961
900	35.4331
1000	39.3701

INCH POUNDS	NEWTON METERS
5	0.565
10	1.13
15	1.70
20	2.26
25	2.83
30	3.39
35	3.96
40	4.52
45	5.09
50	5.65
60	6.78
70	7.91
80	9.04
90	10.17
100	11.3
110	12.4
120	13.6
130	14.7
140	15.8
150	17.0
160	18.1
170	19.2
180	20.3
190	21.5
200	22.6

FOOT POUNDS	NEWTON METERS
1	1.356
2	2.7
3	4.0
4	5.4
5	6.8
6	8.1
7	9.5
8	10.8
9	12.2
10	13.5
11	14.9
12	16.3
13	17.6
14	18.9
15	20.3
16	21.7
17	23.0

FOOT POUNDS	NEWTON METERS
18	24.4
19	25.8
20	27.1
21	28.4
22	29.8
23	31.2
24	32.5
25	33.9
26	35.3
27	36.6
28	38.0
29	39.3
30	40.7
31	42.0
32	43.4
33	44.7
34	46.1
35	47.5
36	48.8
37	50.2
38	51.5
39	52.9
40	54.2
41	55.6
42	56.9
43	58.3
44	59.7
45	61.0
46	62.4
47	63.7
48	65.0
49	66.4
50	67.8
51	69.1
52	70.5
53	71.9
54	73.2
55	74.6
56	75.9
57	77.3
58	78.6
59	80.0
60	81.3
61	82.7
62	84.0
63	85.4
64	86.8
65	88.1
66	89.5
67	90.8
68	92.2
69	93.5
70	94.9
71	96.3
72	97.6
73	99.0
74	100.3
75	101.7
76	103.0
77	104.4
78	105.8
79	107.1
80	108.5
81	109.8
82	111.2
83	112.5
84	113.9

FOOT POUNDS	NEWTON METERS
85	115.2
86	116.6
87	117.9
88	119.3
89	120.7
90	122.0
91	123.4
92	124.7
93	126.0
94	127.4
95	128.8
96	130.2
97	131.5
98	132.9
99	134.2
100	135.6
110	149.0
115	156.0
120	163.0
125	170.0
130	176.0
135	183.0
140	190.0
145	197.0
150	203.0
155	210.0
160	217.0
165	224.0
170	231.0
175	237.0
180	244.0
185	251.0
190	258.0
195	264.0
200	271.0
225	305.0
250	339.0
275	373.0
300	407.0
350	474.0
400	542.0

HEX SOCKET CONVERSIONS

10mm=0.394"
11mm=0.433"
12mm=0.472"
13mm=0.512"
14mm=0.551"
15mm=0.591"
16mm=0.630"
17mm=0.669"
18mm=0.704"
19mm=0.748"
20mm=0.787"
21mm=0.827"

Inch Lbs. x 0.113=Nm; Nm x 8.849=Inch Lbs.; Ft. Lbs x 1.356=Nm; Nm x 0.737=Ft. Lbs.



SIOUX®

CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001:2008 DNV

SHARP Safety & Health Achievement Recognition Program Consultation: An OSHA Cooperative Program

Applifast.



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