



# Industrial Air Tools



Ergonomic Design

Added Value

Increased Productivity

Outstanding Accuracy

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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 \$2+ billion, S&P 500 company headquartered in Kenosha, Wisconsin and employs approximately 14,000 worldwide.

# Committed

## **Committed to your Success**

For nearly 90 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, Inc. Power Tools Warranty

**SIoux TOOLS, INC. 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.

**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, Inc. 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, Inc. 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, INC. 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, Inc. 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.





# Catalog Guide

## Photos

Visual reference of selective models

## 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

## Safety Info

A brief reminder of safety when operating industrial power tools

**DRILLS | SIoux TOOLS INDUSTRIAL CATALOG**

**PISTOL GRIP DRILLS**

**Performance:**  
Power: 0.33 hp (0.25 kw) - 1 hp (0.75 kw)  
Speed Range: 300 rpm - 6000 rpm  
Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

**Features:**  
Reversible and Non-Reversible  
Trigger Start  
Rotatable Exhaust (0.33 hp models)  
Rubber Grip

**Pistol Grip Drills**

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side to Center		Maximum Air Consumption		Sound Level dBA	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>0.33 hp (0.25 kw) - Non-reversible</b>													
1410	1/4	6	2600	1.3	0.6	6.3	180	0.6	15	12	6	75	3/8"-24
DR1412	1/4	6	2600	1.3	0.6	6.3	180	0.6	15	12	6	75	3/8"-24
DR1414	1/4	6	4300	1.3	0.6	6.3	180	0.6	15	12	6	75	3/8"-24
DR1416	1/4	6	6000	1.3	0.6	6.3	180	0.6	15	12	6	75	3/8"-24
<b>1 hp (0.75 kw) - Non-reversible</b>													
SDR10P26N2	1/4	6	6000	2.30	1.05	6.5	185	0.8	20	30	14.2	80	3/8"-24
SDR10P26N3	3/8	10	6000	2.45	1.10	7.0	190	0.8	20	30	14.2	80	3/8"-24
SDR10P26N2	1/4	6	4000	2.30	1.05	6.5	185	0.8	20	30	14.2	80	3/8"-24
SDR10P26N3	3/8	10	4000	2.45	1.10	7.0	190	0.8	20	30	14.2	80	3/8"-24
SDR10P26N2	1/4	6	2600	2.30	1.05	6.5	185	0.8	20	30	14.2	80	3/8"-24
SDR10P26N3	3/8	10	2600	2.45	1.10	7.0	190	0.8	20	30	14.2	80	3/8"-24
SDR10P26N4	1/2	13	2600	2.90	1.30	7.5	190	0.8	20	30	14.2	80	1/2"-20
SDR10P26N3	3/8	10	1200	2.90	1.30	8.0	205	0.8	20	30	14.2	80	3/8"-24
SDR10P26N3	3/8	10	700	2.90	1.30	8.0	205	0.8	20	30	14.2	80	1/2"-20
SDR10P26N4	1/2	13	700	3.30	1.50	8.5	215	0.8	20	30	14.2	80	1/2"-20
SDR10P26N3	3/8	10	400	2.90	1.30	8.0	205	0.8	20	30	14.2	80	1/2"-20
SDR10P26N4	1/2	13	400	3.30	1.50	8.5	215	0.8	20	30	14.2	80	1/2"-20
<b>1 hp (0.75 kw) - Non-reversible</b>													
SP1530	3/8	10	2150	4.3	2.0	7.5	190	1-1/2	26	33	15	80	1/2"-20
SP1430	3/8	10	1400	5.0	2.3	8.8	224	1-1/2	26	33	15	80	1/2"-20
SP1440	1/2	13	2650	4.3	2.0	7.5	190	1-1/2	26	33	15	80	1/2"-20
SP1340	1/2	13	1000	5.0	2.3	8.8	224	1-1/2	26	33	15	80	1/2"-20
SP1240	1/2	13	650	5.0	2.3	8.8	224	1-1/2	26	33	15	80	1/2"-20
SP1140	1/2	13	360	5.0	2.3	8.8	224	1-1/2	26	33	15	80	1/2"-20
<b>1 hp (0.75 kw) - Non-reversible With Keyless Chuck</b>													
SDR10P26NK3	3/8	10	6000	2.45	1.10	7.0	190	0.8	20	30	14.2	80	3/8"-24
SDR10P26NK3	3/8	10	4000	2.30	1.05	6.5	185	0.8	19	30	14.2	78	3/8"-24
SDR10P26NK3	3/8	10	2600	2.25	1.00	6.3	180	0.8	20	25	11.8	80	3/8"-24
SDR10P26NK4	1/2	13	2600	2.70	1.20	6.6	170	0.8	20	25	11.8	80	1/2"-20
SDR10P26NK3	3/8	10	1200	2.70	1.20	7.3	185	0.8	20	25	11.8	80	3/8"-24
SDR10P26NK4	1/2	13	700	3.10	1.40	7.8	200	0.8	20	25	11.8	80	1/2"-20
SDR10P26NK4	1/2	13	400	3.10	1.40	7.8	200	0.8	20	25	11.8	80	1/2"-20

**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 • 3-jaw Chuck and Key • Comfort Grip

**Accessories:**  
Drill Accessories, see pages 25-28

**16** **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



# 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/cm <sup>2</sup> (at)	=	98.0665 kPa
1 psi	=	6.8948 kPa
1 kPa	=	0.145 psi
1 kPa	=	0.01 bar
1 kPa	=	0.0101972 kg/cm <sup>2</sup> (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 m <sup>3</sup> /min	=	16.6667 l/s
1 cfm	=	0.4720 l/s
1 m <sup>3</sup> /h	=	0.2778 l/s
1 l/s	=	2.1189 cfm



# 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!



# DRILLS



## Index

Drills .....	16-24
Drill Accessories .....	26-28



# DRILLS

## Performance, Serviceability, Ergonomics and Value...



Light weight aluminum housing



Ergonomic, handle with soft textured grip



Available in 1 HP and .6HP 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.

### 180° Rotation

The 2L1380 has a unique 180° rotating head for applications in hard to reach places or difficult angles.

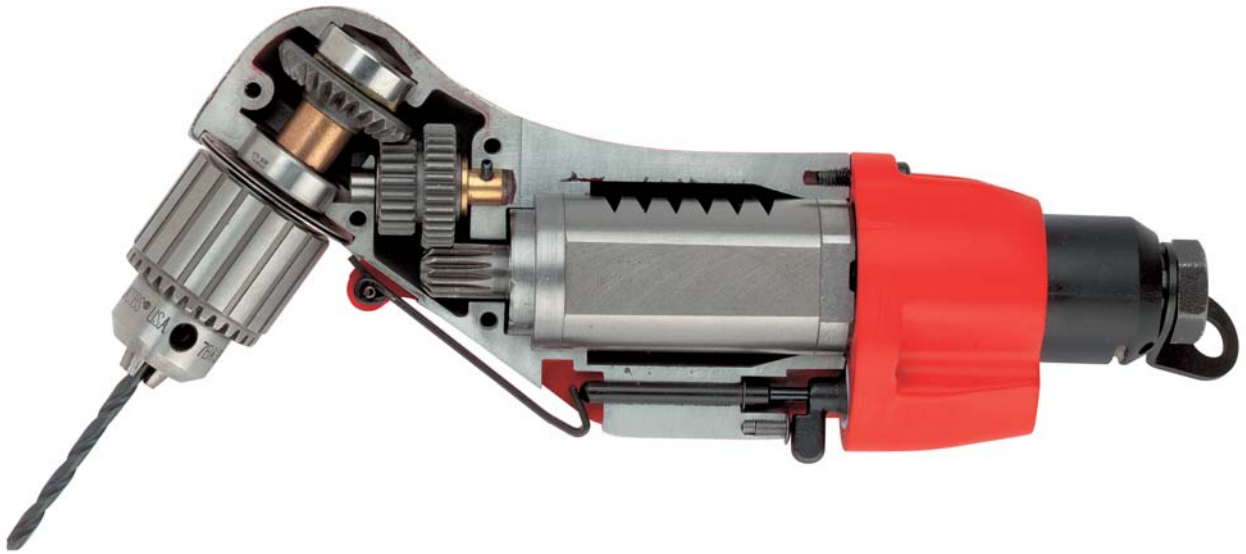
### T-Handles

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.





## Electric

Sioux 8000ES series drills offer the unique Z-handle. The 8800ES drill offers a unique minihead design. This exceptional ergonomic design makes them a well-known Sioux product. They can handle closequarter work in those tight, hard to reach places while the double insulation protects the operator. Available in reverse models and with variable speeds.

## 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?



**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

# DRILLS

## 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 zerker 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 endplates. This reduces the number of spare parts tool cribs need to stock



# DRILLS

## 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 Brinell	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 80% of rated spindle speed of tool. Surface Feet Per Minute = .26 x RPM x Drill Diameter in Inches.



**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



**PISTOL GRIP DRILLS**



**Performance:**

Power: 0.33 hp (0.25 kw) - 1 hp (0.75 kw)  
 Speed Range: 360 rpm - 6000 rpm  
 Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

**Features:**

Reversible and Non-Reversible  
 Trigger Start  
 Rotatable Exhaust (0.33 hp models)  
 Rubber Grip



**Pistol Grip Drills**

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>.33 hp (0.25 kw) - Non-reversible</b>													
1410	1/4	6	2600	1.3	0.60	6.3	160	0.6	15	12	6	75	3/8"-24
DR1412	1/4	6	3600	1.3	0.60	6.3	160	0.6	15	12	6	75	3/8"-24
DR1414	1/4	6	4300	1.3	0.60	6.3	160	0.6	15	12	6	75	3/8"-24
DR1416	1/4	6	6000	1.3	0.60	6.3	160	0.6	15	12	6	75	3/8"-24
<b>1 hp (0.75 kw) - Non-reversible</b>													
SDR10P60N2	1/4	6	6000	2.3	1.05	6.5	165	0.8	20	30	14	80	3/8"-24
SDR10P60N3	3/8	10	6000	2.5	1.10	7.0	180	0.8	20	30	14	80	3/8"-24
SDR10P40N2	1/4	6	4000	2.3	1.05	6.5	165	0.8	20	30	14	80	3/8"-24
SDR10P40N3	3/8	10	4000	2.5	1.10	7.0	180	0.8	20	30	14	80	3/8"-24
SDR10P26N2	1/4	6	2600	2.3	1.05	6.5	165	0.8	20	30	14	80	3/8"-24
SDR10P26N3	3/8	10	2600	2.5	1.10	7.0	180	0.8	20	30	14	80	3/8"-24
SDR10P26N4	1/2	13	2600	2.9	1.30	7.5	190	0.8	20	30	14	80	1/2"-20
SDR10P12N3	3/8	10	1200	2.9	1.30	8.0	205	0.8	20	30	14	80	3/8"-24
SDR10P7N3	3/8	10	700	2.9	1.30	8.0	205	0.8	20	30	14	80	1/2"-20
SDR10P7N4	1/2	13	700	3.3	1.50	8.5	215	0.8	20	30	14	80	1/2"-20
SDR10P4N3	3/8	10	400	2.9	1.30	8.0	205	0.8	20	30	14	80	1/2"-20
SDR10P4N4	1/2	13	400	3.3	1.50	8.5	215	0.8	20	30	14	80	1/2"-20
<b>1 hp (0.75 kw) - Non-reversible</b>													
3P1530	3/8	10	2150	4.3	2.00	7.5	190	1-1/32	26	33	15	80	1/2"-20
3P1430	3/8	10	1400	5.0	2.30	8.8	224	1-1/32	26	33	15	80	1/2"-20
3P1640	1/2	13	2650	4.3	2.00	7.5	190	1-1/32	26	33	15	80	1/2"-20
3P1340	1/2	13	1000	5.0	2.30	8.8	224	1-1/32	26	33	15	80	1/2"-20
3P1240	1/2	13	650	5.0	2.30	8.8	224	1-1/32	26	33	15	80	1/2"-20
3P1140	1/2	13	360	5.0	2.30	8.8	224	1-1/32	26	33	15	80	1/2"-20
<b>1 hp (0.75 kw) - Non-reversible With Keyless Chuck</b>													
SDR10P60NK3	3/8	10	6000	2.5	1.10	7.0	180	0.8	20	30	14	80	3/8"-24
SDR10S40NK3	3/8	10	4000	2.3	1.05	8.3	210	0.8	19	30	14	78	3/8"-24
SDR10P26NK3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR10P26NK4	1/2	13	2600	2.7	1.20	6.6	170	0.8	20	25	12	80	1/2"-20
SDR10P12NK3	3/8	10	1200	2.7	1.20	7.3	185	0.8	20	25	12	80	3/8"-24
SDR10P7NK4	1/2	13	700	3.1	1.40	7.8	200	0.8	20	25	12	80	1/2"-20
SDR10P4NK4	1/2	13	400	3.1	1.40	7.8	200	0.8	20	25	12	80	1/2"-20

**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 • 3-jaw Chuck and Key • Comfort Grip

**Accessories:**  
 Drill Accessories, see pages 26-28



**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

**PISTOL GRIP DRILLS**



**Performance:**

Power: 0.20 hp (0.15 kw) - 1 hp (0.75 kw)  
 Speed Range: 300 rpm - 6000 rpm  
 Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

**Features:**

Reversible and Non-Reversible  
 Trigger Start  
 Rotatable Exhaust (1410 series models)  
 Rubber Grip



**Pistol Grip Drills**

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>.60 hp (0.45 kw) - Non-Reversible</b>													
SDR6P60N2	1/4	6	6000	2.1	0.95	5.8	145	0.8	20	25	12	80	3/8"-24
SDR6P60N3	3/8	10	6000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P40N2	1/4	6	4000	2.1	0.95	5.8	145	0.8	20	25	12	80	3/8"-24
SDR6P40N3	3/8	10	4000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P26N2	1/4	6	2600	2.1	0.95	5.8	145	0.8	20	25	12	80	3/8"-24
SDR6P26N3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P26N4	1/2	13	2600	2.7	1.20	6.6	170	0.8	20	25	12	80	1/2"-20
SDR6P12N3	3/8	10	1200	2.7	1.20	7.3	185	0.8	20	25	12	80	1/2"-20
SDR6P7N3	3/8	10	700	2.7	1.20	7.3	185	0.8	20	25	12	80	1/2"-20
SDR6P7N4	1/2	13	700	3.1	1.40	7.8	200	0.8	20	25	12	80	1/2"-20
SDR6P4N3	3/8	10	400	2.7	1.20	7.3	185	0.8	20	25	12	80	1/2"-20
SDR6P4N4	1/2	13	400	3.1	1.40	7.8	200	0.8	20	25	12	80	1/2"-20
<b>.60 hp (0.45 kw) - Non-Reversible With Keyless Chuck</b>													
SDR6P60NK3	3/8	10	6000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P40NK3	3/8	10	4000	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
SDR6P26NK3	3/8	10	2600	2.3	1.00	6.3	160	0.8	20	25	12	80	3/8"-24
<b>.20 hp (0.15 kw) - Reversible</b>													
1412R	1/4	6	2600	1.3	0.60	6.3	160	0.6	15	10	5	75	3/8"-24
1410R	1/4	6	2000	1.3	0.60	6.3	160	0.6	15	10	5	75	3/8"-24
<b>0.80 hp (0.60 kw) - Reversible</b>													
3P2340	1/2	13	850	5.0	2.30	8.8	224	1-1/32	26	33	15	81	1/2"-20
3P2140	1/2	13	300	5.0	2.30	8.8	224	1-1/32	26	33	15	81	1/2"-20
<b>1 hp (0.75 kw) - Reversible</b>													
SDR10P40R2	1/4	6	4000	2.4	1.10	7.1	180	0.8	20	30	14	80	3/8"-24
SDR10P40R3	3/8	10	4000	2.6	1.15	7.6	195	0.8	20	30	14	80	3/8"-24
SDR10P25R2	1/4	6	2500	2.4	1.10	7.1	180	0.8	20	30	14	80	3/8"-24
SDR10P25R3	3/8	10	2500	2.6	1.15	7.6	195	0.8	20	30	14	80	3/8"-24
SDR10P20R2	1/4	6	2000	2.4	1.10	7.1	180	0.8	20	30	14	80	3/8"-24
SDR10P20R3	3/8	10	2000	2.6	1.15	7.6	195	0.8	20	30	14	80	3/8"-24
SDR10P20R4	1/2	13	2000	3.0	1.35	7.9	200	0.8	20	30	14	80	1/2"-20
SDR10P7R3	3/8	10	700	3.1	1.40	8.6	220	0.8	20	30	14	80	3/8"-24
SDR10P7R4	3/8	10	700	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20
SDR10P5R3	3/8	10	500	3.1	1.40	8.6	220	0.8	20	30	14	80	1/2"-20
SDR10P5R4	1/2	13	500	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20
SDR10P3R3	3/8	10	300	3.1	1.40	8.6	220	0.8	20	30	14	80	1/2"-20
SDR10P3R4	1/2	13	300	3.6	1.60	9.1	230	0.8	20	30	14	80	1/2"-20

**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 • 3-jaw Chuck and Key • Comfort Grip

**Accessories:**

Drill Accessories, see pages 26-28



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

**STRAIGHT DRILLS**



**Performance:**

Power: 0.33 hp (0.25 kw) - 1 hp (0.75 kw)  
 Speed Range: 300 rpm - 6000 rpm  
 Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

**Features:**

Reversible and Non-Reversible  
 Lever Start  
 Rubber Grip (1420, 1422)



**Straight Drills**

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>.33 hp (0.25 kw) - Non-reversible</b>													
1422	1/4	6	3600	1.2	0.54	8.0	203	.6	15	12	6	75	3/8"-24
1420	1/4	6	2600	1.2	0.54	8.0	203	.6	15	12	6	75	3/8"-24
<b>1 hp (0.75 kw) - Non-reversible</b>													
SDR10S60N2	1/4	6	6000	2.3	1.05	8.3	211	0.8	19	30	14	78	3/8"-24
SDR10S60N3	3/8	10	6000	2.3	1.05	8.3	211	0.8	19	30	14	78	3/8"-24
SDR10S40N2	1/4	6	4000	2.3	1.05	8.3	211	0.8	19	30	14	78	3/8"-24
SDR10S40N3	3/8	10	4000	2.3	1.05	8.3	211	0.8	19	30	14	78	3/8"-24
SDR10S26N2	1/4	6	2600	2.3	1.05	8.3	211	0.8	19	30	14	78	3/8"-24
SDR10S26N3	3/8	10	2600	2.3	1.05	8.3	211	0.8	19	30	14	78	3/8"-24
SDR10S12N3	3/8	10	1200	2.8	1.25	9.3	236	0.8	19	30	14	78	3/8"-24
SDR10S7N3	3/8	10	700	2.8	1.25	9.3	236	0.8	19	30	14	78	3/8"-24
SDR10S4N3	3/8	10	400	2.8	1.25	9.3	236	0.8	19	30	14	78	3/8"-24
SDR10S4N4	1/2	13	400	2.8	1.25	9.3	236	0.8	19	30	14	78	1/2"-20
<b>1 hp (0.75 kw) - Reversible</b>													
SDR10S25R2	1/4	6	2500	2.2	1.00	9.3	235	0.8	19	30	14	78	3/8"-24
SDR10S25R3	3/8	10	2500	2.3	1.05	9.8	248	0.8	19	30	14	78	3/8"-24
SDR10S20R2	1/4	6	2000	2.2	1.00	9.3	235	0.8	19	30	14	78	3/8"-24
SDR10S20R3	3/8	10	2000	2.3	1.05	9.8	248	0.8	19	30	14	78	3/8"-24
SDR10S20R4	1/2	10	2000	2.8	1.25	10.3	260	0.8	19	30	14	78	1/2"-20
SDR10S12R3	3/8	10	1200	2.8	1.25	10.8	273	0.8	19	30	14	78	3/8"-24
SDR10S12R4	1/2	13	1200	3.2	1.45	11.3	285	0.8	19	30	14	78	1/2"-20
SDR10S7R3	3/8	10	700	2.8	1.25	10.8	273	0.8	19	30	14	78	1/2"-20
SDR10S7R4	1/2	13	700	3.2	1.45	11.3	285	0.8	19	30	14	78	1/2"-20
SDR10S5R3	3/8	10	500	2.8	1.25	10.8	273	0.8	19	30	14	78	1/2"-20
SDR10S5R4	1/2	13	500	3.2	1.45	11.3	285	0.8	19	30	14	78	1/2"-20
SDR10S3R3	3/8	10	300	2.8	1.25	10.8	273	0.8	19	30	14	78	1/2"-20
SDR10S3R4	1/2	13	300	3.2	1.45	11.3	285	0.8	19	30	14	78	1/2"-20

**General:**  
 Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" • 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 pages 26-28



**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



1AM1551B



2L1380



1AM1541



1AM1141SRK

**Performance:**

Power: 0.33 hp (0.25 kw) - 0.75 hp (0.56 kw)  
 Speed Range: 540 rpm - 5800 rpm

**Features:**

Non-Reversible  
 Lever Start  
 45° or 90° Miniature Angle Heads (except 2L1380)  
 180° Adjustable Rotating Head (2L1380)



Miniature Angle Drills

Model Number	Free Speed	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level
	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
<b>45° Angle Head - .33 hp (0.25 kw) - 1/4"-28 Internal Thread Spindle</b>										
1AM1541	2800	1.5	0.7	10.2	259	0.3	8	12	6	75
1AM1441	2200	1.5	0.7	10.2	259	0.3	8	12	6	75
<b>45° Angle Head - .75 hp (0.56 kw) - 1/4"-28 Internal Thread Spindle</b>										
2A1410-45	5800	2.7	1.3	12.0	305	0.3	8	28	13	85
<b>90° Angle Head - .33 hp (0.25 kw) - 1/4"-28 Internal Thread Spindle</b>										
1AM1551B	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1451B	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
<b>90° Angle Head - .33 hp (0.25 kw) - 9/32"-40 Internal Thread Spindle</b>										
1AM1552B	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1452B	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
<b>90° Angle Head - .75 hp (0.56 kw) - 1/4"-28 Internal Thread Spindle</b>										
2A1410-AH	5800	2.7	1.3	11.4	290	0.3	8	28	13	85
2A1510-AH	540	3.1	1.4	12.8	325	0.3	8	28	13	85
<b>180° Rotating Head - .75 hp (0.56 kw) - Chuck Capacity: #70 thru 1/4"</b>										
2L1380	3350	2.3	1.1	13.7	348	0.6	15	28	13	85
<b>Sealant Removal Tool Kit</b>										
1AM1141/51K	800	1.8	.80	11.5	292	0.3	8	12	6	75
Includes 1AM1151 (90° Angle Drill) and 65213 (45° Angle Drill Head Assembly)										
1AM1141SRK	800	1.8	.80	11.5	292	0.3	8	12	6	75
Includes 1AM1141 (45° Angle Drill)										
1AM1151SRK	800	1.8	.80	11.5	292	0.3	8	12	6	75
Includes 1AM1151 (90° Angle Drill)										

**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 pages 26-28



**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 DRILLS**



**3A2340**



**SDR10A20R3**



**3A1240**

**Performance:**

Power: 0.80 hp (0.60 kw) - 1 hp (0.75 kw)  
 Speed Range: 300 rpm - 2200 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



**Right Angle Drills**

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>.80 hp (0.60 kw) - Reversible - Side Exhaust<sup>1</sup></b>													
3A2430	3/8	10.0	1000	6.3	2.90	15.4	391	0.8	19	33	16	81	1/2"-20
3A2340	1/2	13.0	700	6.9	3.10	15.5	394	0.8	19	33	16	81	1/2"-20
3A2240	1/2	13.0	480	6.9	3.10	15.5	394	0.8	19	33	16	81	1/2"-20
3A2140	1/2	13.0	300	6.9	3.10	15.5	394	0.8	19	33	16	81	1/2"-20
<b>1 hp (0.75 kw) - Reversible</b>													
SDR10A20R2	1/4	6	2000	2.9	1.30	11.0	280	0.8	19	30	14	78	3/8 - 24
SDR10A20R3	3/8	10	2000	3.0	1.35	11.0	280	0.8	19	30	14	78	1/2 - 20
SDR10A16R2	1/4	6	1600	3.2	1.40	12.0	305	0.8	19	30	14	78	3/8 - 24
SDR10A16R3	3/8	10	1600	3.3	1.50	12.0	305	0.8	19	30	14	78	1/2 - 20
SDR10A10R3	3/8	10	1000	3.3	1.50	12.0	305	0.8	19	30	14	78	1/2 - 20
SDR10A10R4	1/2	13	1000	3.7	1.65	12.0	305	0.8	19	30	14	78	1/2 - 20
SDR10A6R3	3/8	10	600	3.3	1.50	12.0	305	0.8	19	30	14	78	1/2 - 20
SDR10A6R4	1/2	13	600	3.7	1.65	12.0	305	0.8	19	30	14	78	1/2 - 20
SDR10A3R3	3/8	10	300	3.3	1.50	12.0	305	0.8	19	30	14	78	1/2 - 20
SDR10A3R4	1/2	13	300	3.7	1.65	12.0	305	0.8	19	30	14	78	1/2 - 20
<b>1 hp (0.75 kw) - Non-Reversible</b>													
SDR10A22N2	1/4	6	2200	2.9	1.30	10.2	260	0.8	19	30	14	78	3/8 - 24
SDR10A22N3	3/8	10	2200	3.0	1.35	10.2	260	0.8	19	30	14	78	1/2 - 20
SDR10A13N2	1/4	6	1300	3.2	1.40	11.2	285	0.8	19	30	14	78	3/8 - 24
SDR10A13N3	3/8	10	1300	3.3	1.50	11.2	285	0.8	19	30	14	78	1/2 - 20
SDR10A10N3	3/8	10	1000	3.3	1.50	11.2	285	0.8	19	30	14	78	1/2 - 20
SDR10A10N4	1/2	13	1000	3.7	1.65	11.2	285	0.8	19	30	14	78	1/2 - 20
SDR10A4N3	3/8	10	400	3.3	1.50	11.2	285	0.8	19	30	14	78	1/2 - 20
SDR10A4N4	1/2	13	400	3.7	1.65	11.2	285	0.8	19	30	14	78	1/2 - 20
<b>1 hp (0.75 kw) - Non-reversible - Side Exhaust<sup>1</sup></b>													
3A1240	1/2	13.0	600	6.5	2.90	15.1	384	0.8	19	33	16	80	1/2"-20
3A1140	1/2	13.0	360	6.5	2.90	15.1	384	0.8	19	33	16	80	1/2"-20

<sup>1</sup> 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 pages 26-28



**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



1465

**Performance:**

Power: 1 hp (0.75 kw)  
 Speed Range: 375 rpm - 2000 rpm  
 Chuck Capacity: 3/8" (10 mm) - 1/2" (13 mm)

**Features:**

Non-Reversible  
 Trigger Start  
 Side Exhaust  
 Support Handle Included  
 Swivel Air Inlet



**"D" Handle Drills**

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>"D" Handle Drill - 1 hp (0.75 kw) - Non-reversible</b>													
1465	3/8	10	1000	6.6	3.0	13.3	338	1.0	25	30	14	76	1/2"-20
1464	1/2	13	2000	6.6	3.0	13.4	340	1.0	25	30	14	76	1/2"-20
1465-1/2	1/2	13	1000	6.6	3.0	13.4	340	1.0	25	30	14	76	1/2"-20
1466	1/2	13	550	6.6	3.0	13.4	340	1.0	25	30	14	76	1/2"-20
DR1467	1/2	13	375	6.6	3.0	13.4	340	1.0	25	30	14	76	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 pages 26-28



**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

"T" HANDLE DRILLS

3T1630



**Performance:**

Power: 1 hp (0.75 kw)  
 Speed Range: 360 rpm - 2650 rpm  
 Chuck Capacity: 3/8" (10 mm) - 1/2" (13 mm)

**Features:**

Non-Reversible  
 Lever Start  
 Handle Grips



"T" Handle Drills

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>"T" Handle Drill- 1 hp (0.75 kw) - Non-reversible</b>													
3T1630	3/8	10	2650	6.9	3.1	30	762	1.0	25	35	17	80	1/2"-20
3T1530	3/8	10	2150	6.9	3.1	30	762	1.0	25	35	17	80	1/2"-20
3T1640	1/2	13	2650	7.0	3.2	30	762	1.0	25	35	17	80	1/2"-20
3T1140	1/2	13	360	6.3	2.9	30	762	1.0	25	35	17	80	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

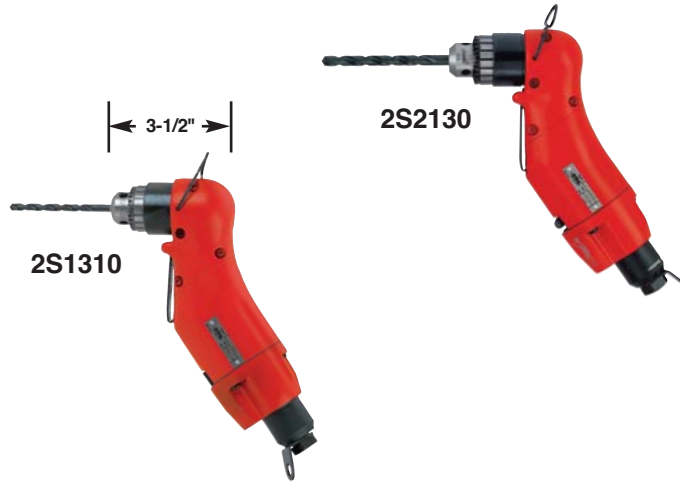
**Standard Equipment:**

Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key • Comfort Grip

**Accessories:**

Drill Accessories, see pages 26-28





**Performance:**

Power: .33 hp (.25 kw) - .50 hp (.37 kw)  
 Speed Range: 1000 rpm - 2200 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 rpm	Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
<b>Non-reversible - .50 hp (0.37 kw)</b>													
2S1310	1/4	6	2200	2.6	1.2	3.5	89	1.0	25	18	8	75	3/8"-24
2S1330	3/8	10	2200	2.7	1.2	3.8	97	1.0	25	18	8	75	3/8"-24
<b>Reversible - .33 hp (0.25 kw)</b>													
2S2310	1/4	6	2200	2.6	1.2	3.5	89	1.0	25	16	8	75	3/8"-24
2S2110	1/4	6	1000	2.6	1.2	3.5	89	1.0	25	16	8	75	3/8"-24
2S2330	3/8	10	2200	2.7	1.2	3.8	97	1.0	25	16	8	75	3/8"-24
2S2230	3/8	10	1600	2.7	1.2	3.8	97	1.0	25	16	8	75	3/8"-24
2S2130	3/8	10	1000	2.7	1.2	3.8	97	1.0	25	16	8	75	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 pages 26-28



**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 CORDED ELECTRIC DRILLS & DRILL/DRIVER**



8800ES



8000ES



8030ES

**Performance:**

Voltage: 120 volts  
 Speed Range: 0 - 1500 rpm  
 Chuck Capacity: 3/8" (10 mm) - 1/2" (13 mm)

**Features:**

Reversible  
 Lever Start  
 Trigger Start (8800ES)  
 Variable Speed  
 Double Insulated



**Z-Handle Corded Electric Drills & Drill/Driver**

Model Number	Chuck Capacity		Maximum Free Speed	Weight		Length		Side To Center	
	in.	mm		lb	kg	in.	mm	in.	mm
<b>Drill - .04 hp (0.3 kw)</b>									
8000ES	3/8	10	1300	3.1	1.4	1.0	25	10	254
8050ES	1/2	13	750	3.1	1.4	1.0	25	10	254
8800ES	3/8	10	1500	3.4	1.5	1.0	25	10	254
<b>Drill/Driver - 0.4 hp (0.3 kw) Keyless Chuck</b>									
8030ES	3/8	10	1300	3.6	1.6	1.0	25	10	254

**General:**

Voltage: 120 volts/3.5 amps

**Standard Equipment:**

Parts List • Safety and Instruction Manual • 3-jaw Chuck and Key (8000ES, 8050ES, 8800ES) • Keyless Chuck (8030ES) • 8 ft Power Cord

**Accessories:**

Drill Accessories, see pages 26-28



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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### Drill Chucks & Keys

Adapts arbor with 1/2"-20 thread to hole saw with 5/8"-18 thread



Chuck Capacity	Thread Size	Chuck Part No.	Key Part No.	Key Holder No.
0 - 1/4"	3/8" - 24	21077	30000	
0 - 1/4"	3/8" - 24	21019A	30202	
0 - 3/8"	1/2" - 20	21002	30011	14273
0 - 3/8"	3/8" - 24	21085	30231	14273
0 - 3/8" <sup>1</sup>	3/8" - 24	69005		
0 - 1/2" <sup>1</sup>	1/2" - 20	69006		
1/16" - 3/8"	1/2" - 20	21131	30002	
1/16" - 3/8"	3/8" - 24	21133	30002	14273
1/16" - 3/8" <sup>1</sup>	3/8" - 24	65562		
5/64" - 1/2"	3/8" - 24	21132	30429	
5/64" - 1/2"	1/2" - 20	21137	30011	14273

<sup>1</sup>Keyless Chuck • Keyed chucks include key

### Support Handle

Part No. 2355B

For use on ES, 2L, 3P series drills



### Signature Series Support Handle

Part No. SPSDR-14A

For use on Signature Series Drills



### Remote Exhaust Kit



3301

Part Number	For Use On
3301	1400 series pistol grip drills
3302	1 series straight drills
3303	Z-handle drills

### 1410 Series Chuck Shroud

Part No. 68808

For use on 1410, 1412

Part No. 68809

For use on 1407, 1410R, 1412R



### Quick Change Chuck

Part No. 2352

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



### Comfort Grips

For use on ES, 2L, 3P series drills



66124



68340



67806





### Vacforce

Part No. 1557



*\*Drill Sold Separately*

Length		Width		Weight		Air Supply	Inlet
in.	mm	in.	mm	in.	mm		
11.0	280	3.75	95	7.6	3.5	2.0 CFM	1/4" NPT

Standard Accessories: Adapter Shims • 5 mm Hex Key Stored in vacuum base.

### Pipe-Vac Adapter

Part No. 1557P



*\*Drill Sold Separately*

### Air Feed Lubricator

Part No. 1557L



*\*Drill Sold Separately*

### Depth Control Attachment

Part No. 1557DC

Depth control attachment  
for use with Vac-Force model 1557



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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Cutter Kit

Part No. 278



Sioux Part Number	Broach Cutter Size - Imperial
HB437	7/16"
HB500B	1/2"
HB562	9/16"
HB625	5/8"
HB750	3/4"
HB875	7/8"
HB100B	1"

Kit Includes:

HB01 - Arbor, HB02 - Pin, HB03 - Hex Key

Case

5 Cutters (1/2", 9/16", 5/8", 3/4", 7/8")

SR Cutters



SR40



SR83

Sioux Part Number	Description
SR40	#3 (.40") SR Cutter
SR83	#8 (.83") SR Cutter

Sold in case of 40



**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



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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.







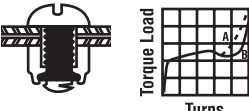

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# ASSEMBLY

## Clutch Selection Guide

### Clutch Selection Guide

Type Of Job	Clutch Performance			
	Torque Control	Adjustable	Direct/Stall Drive	Positive Clutch
<p><b>1. Free-Running - Sudden Stop</b></p>  <p>Turns easily until screw head or nut seats against a solid stop. Resistance then builds up suddenly.</p>	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.
<p><b>2. Soft Pull-Up</b></p>  <p>Turns easily until screw head or nut seats, then resistance builds up gradually through one or more turns as resilient material compressed.</p>	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.
<p><b>3. Self-Tapping in Thick Material</b></p>  <p>Increasing heavy resistance through entire travel until screw head seats. Then either (A) gradual, or (B) sudden final build-up resistance.</p>	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.
<p><b>4. Sheet Metal Screws</b></p>  <p>Resistance increases rapidly at first, then eases slightly. At the end, it usually builds up suddenly when screw head seats.</p>	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.
<p><b>5. Lock Nuts</b></p>  <p>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.</p>	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.
<p><b>6. Wood Screws</b></p>  <p>Starts with small resistance that steadily increases through entire travel with additional resistance as screw head seats.</p>	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.



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# ASSEMBLY

## 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.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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# ASSEMBLY

## 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")
- No. 2 Series Tools** - 5 to 360 in-lbs of torque. (Fasteners up to 3/8")
- No. 3 Series Tools** - 5 to 60 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	Application			
	Clutch	Free Run Down	Soft Pull-Up	Prevailing Torque
<b>No. 8 and Smaller</b>				
	Adjustable	Excellent	Excellent	Excellent
	Stall	Excellent	Good	Excellent
	Direct	Good	Good	Good
	Positive	Fair	Fair	Good
<b>No. 10 and Larger</b>				
	Adjustable	Good	Fair	Fair
	Stall	Good	Excellent	Excellent
	Direct	Good	Excellent	Excellent
	Positive "P"	Good	Excellent	Excellent
	Positive "PS"	Good	Excellent	Excellent



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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# ASSEMBLY

## Tool Selection Guide

### 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



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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# ASSEMBLY

## Screwdriver Maintenance

Adjustable Clutch Screwdrivers



Positive Clutch Screwdrivers



Stall Drive Screwdrivers



- 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 Ring gear is machined into the motor retainer for ease of assembly and disassembly
- 8 Interchangeable rotor, cylinder, bearings and endplates. This reduces the number of spare parts tool cribs need to stock



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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# ASSEMBLY

## 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.



Phillips



Reed-Prince



slotted



clutch



Torx

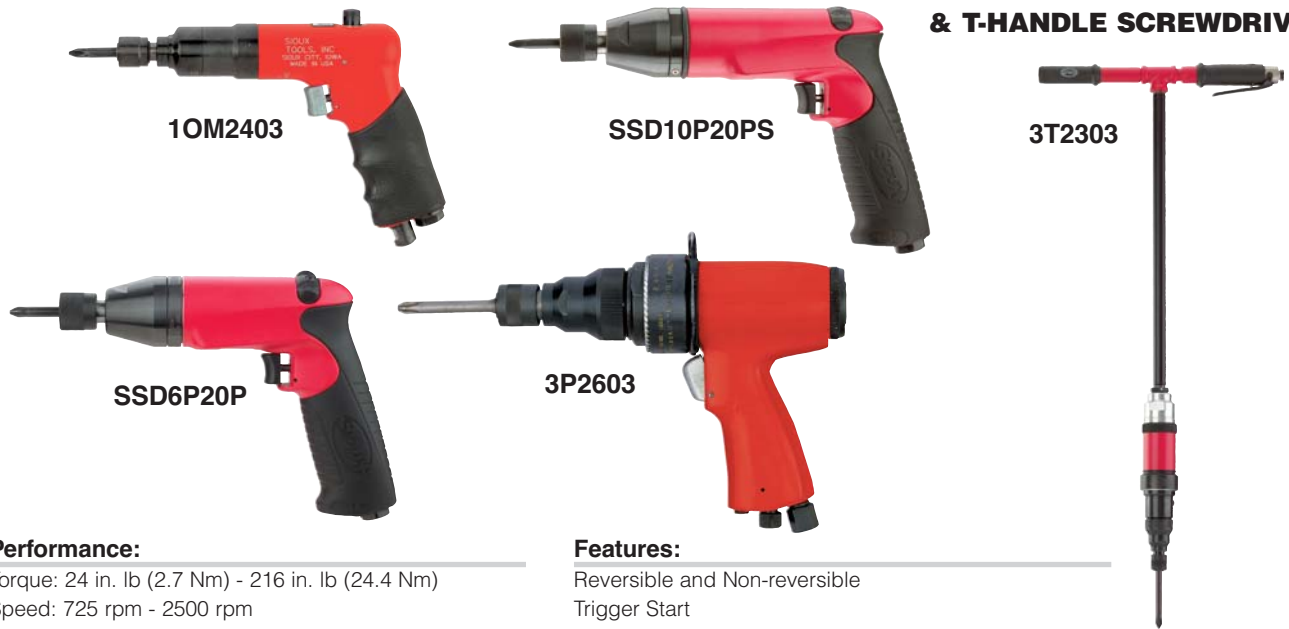
Standard

Special\*



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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**POSITIVE CLUTCH PISTOL GRIP & T-HANDLE SCREWDRIVERS**



**Performance:**

Torque: 24 in. lb (2.7 Nm) - 216 in. lb (24.4 Nm)  
 Speed: 725 rpm - 2500 rpm

**Features:**

Reversible and Non-reversible  
 Trigger Start  
 Trigger or Shuttle Reverse  
 Comfort Grip  
 Rotatable Exhaust (1OM series)



**Positive Clutch Pistol Grip & T-Handle Screwdrivers**

Model Number	Max. Torque <sup>1</sup> (Soft Joint)		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)
	in. lb	Nm		lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>1/4" Quick Change</b>												
<b>1 Series - Rapid Reverse</b>												
1OM2403	24	2.7	2000	1.6	0.70	6.7	170	0.7	17	8	4	75
1OM2303	30	3.4	1400	1.8	0.80	7.7	196	0.7	17	8	4	75
1OM2203	40	4.5	1000	1.8	0.80	7.7	196	0.7	17	8	4	75
1OM2103	55	6.2	725	1.8	0.80	7.7	196	0.7	17	8	4	75
<b>.6 HP Medium Clutch Screwdrivers</b>												
SSD6P25P	40	4.5	2500	2.2	0.98	6.8	171	0.8	20	25	12	80
SSD6P20P	55	6.2	2000	2.2	0.98	6.8	171	0.8	20	25	12	80
SSD6P12P	100	11.3	1200	2.6	1.18	8.6	218	0.8	20	25	12	80
<b>1 HP Medium Torque Clutch Screwdrivers</b>												
SSD10P25P	50	5.7	2500	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P20P	70	7.9	2000	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P12P	135	15.3	1200	2.8	1.30	9.1	231	0.8	20	30	14	80
<b>1 HP High Torque Clutch Screwdrivers</b>												
SSD10P25PS	58	6.5	2500	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P20PS	80	9.0	2000	2.4	1.07	7.3	185	0.8	20	30	14	80
SSD10P12PS	145	16.4	1200	2.8	1.30	9.1	231	0.8	20	30	14	80
<b>3 Series - High-Torque Clutch - 7/16" Quick Change</b>												
3P2603	84	9.5	2250	4.6	2.10	8.7	221	1.0	25	33	16	82
3P2503	120	13	1800	4.6	2.10	8.7	221	1.0	25	33	16	82
<b>3 Series - "T" Handle - 7/16" Quick Change</b>												
3T2303	216	24.4	850	6.7	3.00	33.0	840	1.0	25	33	16	81

<sup>1</sup> Torque output varies with force exerted by operator

**General:**

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

**Standard Equipment:**

Parts List • Safety and Instruction Manual • Comfort Grip (1OM series)

**Accessories:**

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see page 60



**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

**POSITIVE CLUTCH INLINE SCREWDRIVERS**



**1SM2103**

**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 <sup>1</sup> (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
<b>Inline</b>													
1SM2103		55	6.2	800	1.4	0.6	9.1	231	0.6	15	8	4	75

<sup>1</sup> Torque output varies with force exerted by operator

**General:**  
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (2S 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, see page 48  
Screwdriver Bits and Finders, see page 60



**STALL PISTOL GRIP SCREWDRIVERS**



**1OM2407**



**SSD6P20S**



**SSD10P20S**

**Performance:**

Torque: 18 in. lb (2.0 Nm) - 400 in. lb (45.2 Nm)  
 Speed: 300 rpm - 2600 rpm

**Features:**

- Reversible
- Trigger Start
- Rapid or Shuttle Reverse
- Comfort Grip
- 1/4" Quick Change



**Stall Pistol Grip Screwdrivers**

Model Number	Max. Torque (Soft Joint)		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)
	in. lb	Nm		lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>Trigger Start - Trigger Reverse</b>												
1OM2507	18	2.0	2600	1.6	0.70	6.7	170	0.7	18	8	4	75
1OM2407	24	2.7	2000	1.6	0.70	6.7	170	0.7	18	8	4	75
1OM2307	30	3.4	1400	1.8	0.80	7.7	196	0.7	18	8	4	75
1OM2207	40	4.5	1000	1.8	0.80	7.7	196	0.7	18	8	4	75
1OM2107	55	6.2	725	1.8	0.80	7.7	196	0.7	18	8	4	75
<b>.6 HP Trigger Start - Shuttle Reverse</b>												
SSD6P25S	40	4.5	2500	2.0	0.90	5.8	146	0.8	20	25	12	80
SSD6P20S	55	6.2	2000	2.0	0.90	5.8	146	0.8	20	25	12	80
SSD6P12S	100	11.3	1200	2.4	1.10	6.8	171	0.8	20	25	12	80
SSD6P7S	155	17.8	700	2.4	1.10	6.8	171	0.8	20	25	12	80
<b>1 HP Trigger Start - Shuttle Reverse</b>												
SSD10P25S	58	6.6	2500	2.2	0.98	6.5	165	0.8	20	30	14	80
SSD10P20S	80	9.0	2000	2.2	0.98	6.5	165	0.8	20	30	14	80
SSD10P12S	145	16.4	1200	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P7S	220	24.9	700	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P5S	325	36.7	500	2.6	1.17	7.5	191	0.8	20	30	14	80
SSD10P3S	400	45.2	300	2.6	1.17	7.5	191	0.8	20	30	14	80

**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, see page 48

Screwdriver Bits and Finders, see page 60



**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**



**SSD10S20S**



**1SM2107**

**Performance:**

Torque: 24 in. lb (2.7 Nm) - 400 in. lb (45.2 Nm)  
 Speed: 300 rpm - 2500 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		Sound Level
	in. lb	Nm		lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>Inline - Reversible - 1/4" Quick Change Drive</b>												
1SM2407	24	2.7	2200	1.3	0.60	8.1	206	0.6	15	8	4	75
1SM2107	55	6.2	800	1.4	0.60	9.1	231	0.6	15	8	4	75
<b>Inline - Stall Clutch</b>												
SSD10S25S	58	6.6	2500	1.9	0.85	8.4	215	0.8	20	30	14	80
SSD10S20S	80	9.0	2000	1.9	0.85	8.4	215	0.8	20	30	14	80
SSD10S12S	145	16.4	1200	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S7S	220	24.9	700	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S5S	325	36.7	500	2.2	1.00	9.5	240	0.8	20	30	14	80
SSD10S3S	400	45.2	300	2.2	1.00	9.5	240	0.8	20	30	14	80

**General:**  
 Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (2S 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, see page 48  
 Screwdriver Bits and Finders, see page 60



**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



**ADJUSTABLE CLUTCH  
PISTOL GRIP SCREWDRIVERS**



**Performance:**

Torque: 20 in. lb (2.3 Nm) - 140 in. lb (15.8 Nm)  
Speed: 300 rpm - 2500 rpm

**Features:**

Reversible  
Trigger Start  
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		Sound Level
	in. lb	Nm		lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>Trigger Start - Rapid Reverse</b>												
1OM2405Q	20	2.3	2000	1.9	0.86	7.8	198	0.7	17	8	4	75
1OM2305Q	25	2.8	1400	2.1	0.95	8.8	224	0.7	17	8	4	75
1OM2205Q	35	4.0	1000	2.1	0.95	8.8	224	0.7	17	8	4	75
1OM2105Q	50	5.7	725	2.1	0.95	8.8	224	0.7	17	8	4	75
<b>.6 HP Trigger Start - Shuttle Reverse</b>												
SSD6P25AC	40	4.5	2500	2.6	1.16	8.5	216	0.8	20	25	12	80
SSD6P20AC	55	6.2	2000	2.6	1.16	8.5	216	0.8	20	25	12	80
SSD6P12AC	100	11.3	1200	3.0	1.36	10.3	262	0.8	20	25	12	80
SSD6P7AC	140	15.8	700	3.0	1.36	10.3	262	0.8	20	25	12	80
<b>1 HP Trigger Start - Shuttle Reverse</b>												
SSD10P25AC	60	6.8	2500	2.8	1.25	8.4	213	0.8	20	30	14	80
SSD10P20AC	80	9.0	2000	2.8	1.25	8.4	213	0.8	20	30	14	80
SSD10P12AC	120	13.5	1200	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P7AC	140	15.8	700	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P5AC	140	15.8	500	3.2	1.45	10.2	259	0.8	20	30	14	80
SSD10P3AC	140	15.8	300	3.2	1.45	10.2	259	0.8	20	30	14	80

**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

**Accessories:**

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see page 60



**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

**ADJUSTABLE CLUTCH INLINE SCREWDRIVERS**



SSD10S20AC



1SM2105Q



1SM2405

**Performance:**

Torque: 20 in. lb (2.3 Nm) - 140 in. lb (15.8 Nm)  
 Speed: 300 rpm - 2500 rpm

**Features:**

Reversible  
 Rear Exhaust  
 External Clutch Adjustment



**Adjustable Clutch Inline Screwdrivers**

Model Number		Max. Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
<b>Inline - Lever Start</b>													
1SM2405Q	1SM2405	20	2.3	2200	1.6	0.70	9.3	236	0.6	15	8	4	75
1SM2305Q		25	2.8	1500	0.8	0.40	10.3	262	0.6	15	8	4	75
1SM2205Q		35	4.0	1100	0.8	0.40	10.3	262	0.6	15	8	4	75
1SM2105Q		50	5.7	800	8.0	3.60	10.3	262	0.6	15	8	4	75
<b>Inline - Lever Start</b>													
SSD10S25AC		60	6.8	2500	2.5	1.15	11.2	285	0.8	20	30	14	80
SSD10S20AC		80	9.0	2000	2.5	1.15	11.2	285	0.8	20	30	14	80
SSD10S12AC		120	13.5	1200	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S7AC		140	15.8	700	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S5AC		140	15.8	500	2.8	1.25	12.3	315	0.8	20	30	14	80
SSD10S3AC		140	15.8	300	2.8	1.25	12.3	315	0.8	20	30	14	80

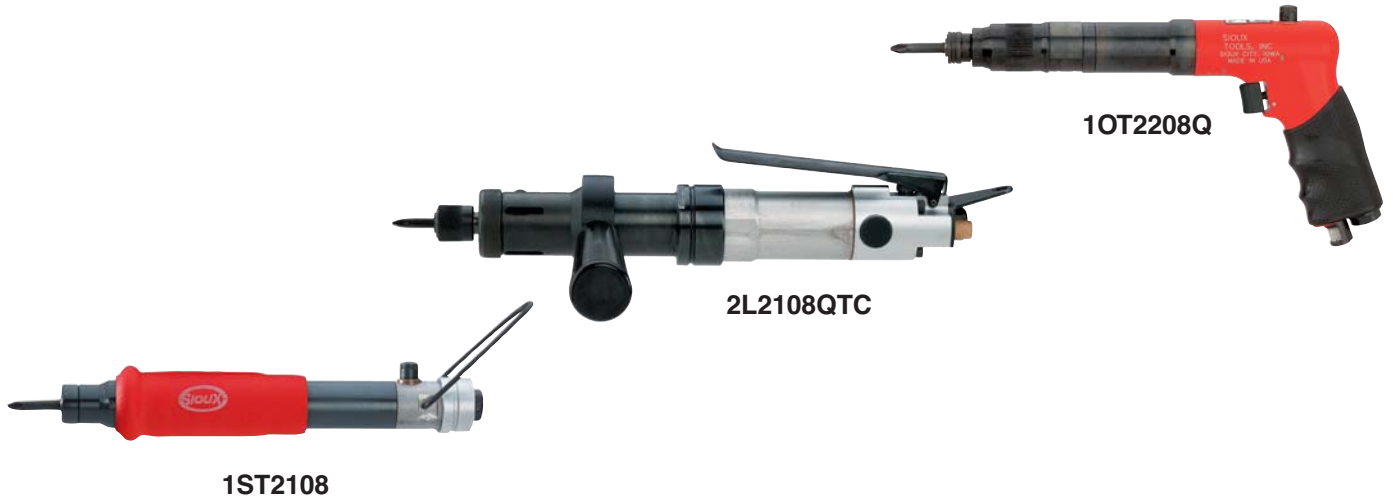
**General:**  
 Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (2S series) • Performance rated @ 90 psig (6.2 bar) air pressure

**Standard Equipment:**  
 Parts List • Safety and Instruction Manual • Comfort Grip (1SM series) • Suspension Bail • Clutch Adjustment Wrench

**Accessories:**  
 Screwdriver Accessories, see page 48  
 Screwdriver Bits and Finders, see page 60



**TORQUE CONTROL SCREWDRIVERS**



**Performance:**

Torque: 5.0 in. lb (0.6 Nm) - 200 in. lb (22 Nm)  
 Speed: 300 rpm - 2800 rpm

**Features:**

Push-to-Start and Lever Start  
 Reversible  
 Locking Button Reverse  
 External Clutch Adjustment



**Torque Control Screwdrivers**

Model Number		Torque Range (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
<b>Inline - Push To Start</b>													
1ST2508Q		5.0-14	0.6-1.5	2800	1.4	0.6	8.3	211	0.6	15	8	4	75
1ST2308Q		5.0-25	0.6-3.0	1500	1.6	0.7	9.3	236	0.6	15	8	4	75
1ST2208Q		5.0-35	0.6-4.0	1100	1.6	0.7	9.3	236	0.6	15	8	4	75
1ST2108Q	1ST2108	5.0-50	0.6-5.5	800	1.6	0.7	9.3	236	0.6	15	8	4	75
<b>Inline - Lever Start - Reversible</b>													
2L2308QTC		30-96	3.5-11	900	3.7	1.7	12.1	307	1.0	25	28	13	80
2L2108QTC		60-200	7.0-22	300	3.7	1.7	12.1	307	1.0	25	28	13	80
<b>Pistol Grip - Push To Start</b>													
1OT2508Q		5.0-14	0.6-1.5	2600	1.9	0.9	7.8	200	0.7	17	10	5	75
1OT2308Q		5.0-25	0.6-3	1400	2.1	1.0	8.8	225	0.7	17	10	5	75
1OT2208Q		5.0-35	0.6-4	1000	2.1	1.0	8.8	225	0.7	17	10	5	75
1OT2108Q		5.0-50	0.6-5.5	725	2.1	1.0	8.8	225	0.7	17	10	5	75

**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 (1OT, 1ST series) • Suspension Bail (Inline models)

**Accessories:**

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see page 60



**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: 36 in. lb (4.1 Nm) - 70 in. lb (7.9 Nm)  
 Speed: 1000 rpm - 2200 rpm

**Features:**

Inline and Z-Handles  
 Lever Start  
 Rear Exhaust



Z-Handle Screwdrivers

Model Number		Max. Torque <sup>1</sup> (Soft Joint)		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level	
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)	
<b>Z Handle - Stall</b>														
2S2307		36	4.1	2200	2.3	1.0	2.9	74	0.9	23	16	8	75	
2S2207		50	5.7	1600	2.3	1.0	2.9	74	0.9	23	16	8	75	
2S2107		70	7.9	1000	2.3	1.0	2.9	74	0.9	23	16	8	75	
<b>Z Handle - Lever Start - Reversible - Direct Clutch</b>														
	2S2201	50	5.7	1600	2.6	1.2	4.3	109	0.9	23	16	8	75	
	2S2301	36	4.1	2200	2.6	1.2	4.3	109	0.9	23	16	8	75	
<b>Z-Handle - Low Torque Clutch<sup>1</sup></b>														
	2S2203	46	5.2	1600	2.3	1.2	4.3	109	0.9	23	16	8	75	
	2S2103Q	60	6.8	1000	2.6	1.2	4.3	109	0.9	23	16	8	75	
<b>Z-Handle - Mid-Torque Clutch<sup>1</sup></b>														
	2S2303AQ	2S2303A	30	3.4	2200	2.6	1.2	4.3	109	0.9	23	16	8	75
	2S2203AQ		46	5.2	1600	2.6	1.2	4.3	109	0.9	23	16	8	75
	2S2103AQ		60	6.8	1000	2.6	1.2	4.3	109	0.9	23	16	8	75
<b>Z Handle - Lever Start - Adjustable Clutch</b>														
	2S2305Q		30	3.4	2200	2.9	1.3	5.8	147	0.9	23	16	8	75
	2S2205Q		46	5.2	1600	2.9	1.3	5.8	147	0.9	23	16	8	75
	2S2105Q		60	6.8	1000	2.9	1.3	5.8	147	0.9	23	16	8	75

<sup>1</sup> 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:**

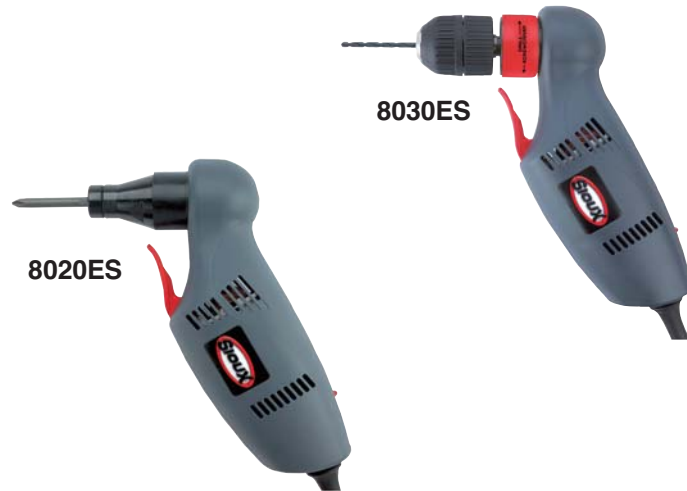
Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see page 60



**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 CORDED SCREWDRIVER & DRILL/DRIVER**



**Performance:**

Voltage: 120 volts  
 Torque: 40 in. lb (55 Nm) - 60 in. lb (80 Nm)  
 Speed: 1300 rpm

**Features:**

Reversible  
 Lever Start  
 Variable Speed  
 Double Insulated



**Z-Handle Corded Screwdriver & Drill/Driver**

Model Number	Stall Torque		Maximum Working Torque		Maximum Free Speed	Weight		Length		Side To Center		Overall Length	
	in. lb	Nm	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	in.	mm
<b>Screwdriver - 0.4 (0.3 kw)</b>													
8020ES	120	160	40	55.0	1300	3.4	1.5	1.0	25	4.6	116	10.0	254
<b>Drill/Driver - 0.4 hp (0.3 kw)</b>													
8030ES	120	160	60	80.0	1300	3.6	1.6	1.0	25	5.3	133	10.0	254

**General:**

Rated Voltage: 120 volts  
 Rated Current: 3.5 amps

**Output Capacity:**

1/4" Female Hex (8020ES)  
 3/8" Keyless Chuck (8030ES)

**Standard Equipment:**

Parts List • Safety and Instruction Manual • Keyless Chuck (8030ES) • 8 ft power cord

**Accessories:**

Screwdriver Accessories, see page 48  
 Screwdriver Bits and Finders, see page 60



**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 SCREWDRIVERS**



**Performance:**

Torque: 35 in. lb (4.0 Nm) - 400 in. lb (45.2 Nm)  
 Speed: 300 rpm - 2000 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		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
<b>Stall Drive</b>													
	1AM2201	35	4.0	1100	1.5	0.70	10.0	254	0.3	8	8	4	75
	1AM2101	50	5.7	800	1.5	0.70	10.0	254	0.3	8	8	4	75
	2A2601Q	75	8.5	2000	3.4	1.50	11.5	292	0.7	18	28	13	84
<b>Stall Drive</b>													
	SSD10A20S	58	6.6	2000	3.0	1.35	11.0	280	0.8	20	30	14	80
	SSD10A16S	80	9.0	1600	3.0	1.35	11.0	280	0.8	20	30	14	80
	SSD10A10S	145	16.4	1000	3.4	1.50	12.0	305	0.8	20	30	14	80
	SSD10A6S	220	24.9	600	3.4	1.50	12.0	305	0.8	20	30	14	80
	SSD10A5S	325	36.7	500	3.4	1.50	12.0	305	0.8	20	30	14	80
	SSD10A3S	400	45.2	300	3.4	1.50	12.0	305	0.8	20	30	14	80
<b>Stall Drive - Low Profile Head</b>													
	2A2151	240	27.1	700	3.6	1.60	12.8	325	0.5	13	28	13	84
	2A2551	310	35.0	400	3.6	1.60	12.8	325	0.5	13	28	13	84
<b>Adjustable Clutch</b>													
	1AM2205	35	4.0	1100	1.9	0.90	11.8	300	0.3	8	8	4	75
	1AM2105	50	5.7	800	1.9	0.90	11.8	300	0.3	8	8	4	75

**General:**  
 Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1AM series); 3/8" (10 mm) (2A series) • Performance rated @ 90 psig (6.2 bar) air pressure

**Standard Equipment:**  
 Comfort Grip (1AM series)

**Accessories:**  
 Screwdriver Accessories, see page 48  
 Screwdriver Bits and Finders, see page 60



**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 NUTRUNNERS**



**Performance:**

Torque: 20 in. lb (2.3 Nm) - 600 in. lb (68 Nm)  
 Speed: 300 rpm - 2200 rpm

**Features:**

Reversible  
 Lever Start  
 Rear and Side Exhaust

**Right Angle Nutrunners**



Model Number	Bolt Capacity <sup>2</sup>		Max. Torque (Soft Joint)		Free Speed rpm	Weight		Length		Side To Center		Sound Level dB(A)	Drive Size	
	in.	mm	in. lb	Nm		lb	kg	in.	mm	in.	mm		in.	mm
<b>Torque Control Clutch</b>														
2A2108BTC	3/8	M10	240	27	250	4.7	2.10	15.1	384	1.0	25	80	3/8	10
3A2208 <sup>1</sup>	3/8	M10	294	33	480	7.4	3.40	18.3	465	0.8	20	81	1/2	13
3A2108 <sup>1</sup>	3/8	M10	360	41	300	7.4	3.40	18.3	465	0.8	20	81	1/2	13
<b>Adjustable Clutch</b>														
1AM2106	#10	M4.5	50	5.7	800	1.9	0.90	11.6	295	0.3	8	75	1/4	6
<b>Direct Clutch</b>														
1AM2402	#8	M4.5	20	2.3	2200	1.4	0.60	9.0	229	0.3	8	75	1/4	6
1AM2102	#10	M4.5	50	5.7	800	1.5	0.70	11.5	292	0.3	8	75	1/4	6
<b>Stall Drive</b>														
SNR10A20S	#10	M4.5	58	6.6	2000	2.6	1.15	11.0	280	0.8	20	80	1/4	6
SNR10A16S	1/4	M6	80	9.0	1600	2.6	1.15	11.0	280	0.8	20	80	3/8	10
SNR10A10S	5/16	M8	145	16.4	1000	2.9	1.30	12.0	305	0.8	20	80	3/8	10
SNR10A6S	3/8	M10	220	24.9	600	2.9	1.30	12.0	305	0.8	20	80	3/8	10
SNR10A5S	3/8	M10	325	36.7	500	2.9	1.30	12.0	305	0.8	20	80	3/8	10
SNR10A3S	3/8	M10	400	45.2	300	2.9	1.30	12.0	305	0.8	20	80	3/8	10
3A2104 <sup>1</sup>	7/16	M11	600	68	300	5.5	2.50	15.5	394	0.8	20	81	1/2	13

<sup>1</sup> Not CE Certified

<sup>2</sup> 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) (2A, 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 48



**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



Part Number	Color	Torque Range	
		in. lb	Nm
<b>SSD, SD9A, 2 Series Adjustable Clutch</b>			
41284	Green	<25	<2.8
21427	N/A	>25	>2.8
<b>1 Series Adjustable Clutch</b>			
66048	Silver	30-50	3.4-5.7
66049	Blue	15-35	1.7-4.0
66050	Green	2.0-20	0.22-2.3
<b>2 Series Torque Control Clutch</b>			
65048	Silver	60-280	6.8-32
65049	Blue	36-180	4.1-20
65050	Green	30-120	3.4-14

## Comfort Grips



Part Number	For Use On
68340	1 series pistol grip
67806	SD9A series
66193	1 series inline (2800 rpm)
66124	1 series inline (except 2800 rpm)

## Remote Exhaust Kits



Part Number	Size
3301	1 series pistol grip
3302	1 series inline
3303	Z-Handle series



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

# 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.



**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

**3/8" (10 MM) & 1/2" (13 MM)  
IMPACT WRENCHES**



**IW38TBP-3P**



**IW38HAP-3P**



**IW50HAP-4P**

**Performance:**

Torque: 10 ft lb (13 Nm) - 450 ft lb (610 Nm)  
 Drive Size: 3/8" (10 mm) - 1/2" (13 mm) square drive  
 Bolt Capacity: 1/4" (6 mm) - 5/8" (16 mm)

**Features:**

Pistol Grip  
 Steel Anvil Housing  
 Suspension Bail



**3/8" (10 mm) & 1/2" (13 mm) Impact Wrenches**

Model Number	Drive Size		Bolt Cap. Grade 5		Working Torque Range <sup>1</sup>		Maximum Torque		Blows Per Minute	Free Speed	Weight		Length		Side To Center		Avg Air Consump.		Socket Retainer Style
	in.	mm	in.	mm	ft lb	Nm	ft lb	Nm			rpm	lb	kg	in.	mm	in.	mm	cfm	
<b>Pistol Grip</b>																			
IW38TBP-3P	3/8	10	1/4	6	10-70	13-95	70	95	2000	8000	2.1	1.0	6.3	160	0.9	22	2	1	Pin
IW38HAP-3F	3/8	10	3/8	10	60-200	80-270	250	340	1380	10,000	3.3	1.5	6.7	170	1.1	28	2	1	Ring
IW38HAP-3P	3/8	10	3/8	10	60-200	80-270	250	340	1380	10,000	3.3	1.5	6.7	170	1.1	28	2	1	Pin
IW38HAP-4F	1/2	13	3/8	10	60-200	80-270	250	340	1380	10,000	3.3	1.5	6.7	170	1.1	28	2	1	Ring
IW38HAP-4P	1/2	13	3/8	10	60-200	80-270	250	340	1380	10,000	3.3	1.5	6.7	170	1.1	28	2	1	Pin
IW50HAP-4F	1/2	13	5/8	16	100-450	135-610	550	745	1140	7000	4.3	1.9	7.6	192	1.3	33	4	2	Ring
IW50HAP-4P	1/2	13	5/8	16	100-450	135-610	550	745	1140	7000	4.3	1.9	7.6	192	1.3	33	4	2	Pin

<sup>1</sup> 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 60



**3/4" (19 MM), 1" (25 MM), 1-1/2" (38 MM)  
IMPACT WRENCHES**



**IW75BP-6H**



**IW100HAI-8H**

**Performance:**

Torque: 800 ft lb (1085 Nm) - 2500 ft lb (3390 Nm)  
 Drive Size: 3/4" (19 mm) - 1-1/2" (38 mm)  
 Bolt Capacity: 3/4" (19 mm) - 2" (50 mm)

**Features:**

Pistol Grip and D-Handle  
 Inside and Outside Trigger (D-Handle Models)  
 Steel Anvil Housing

**3/4" (19 mm), 1" (25 mm), 1-1/2" (38 mm) Impact Wrenches**



Model Number	Drive Size		Bolt Cap. Grade 5		Working Torque Range <sup>1</sup>		Maximum Torque		Blows Per Minute	Free Speed rpm	Weight		Length		Side To Center		Avg Air Consump.		Socket Retainer Style
	in.	mm	in.	mm	ft lb	Nm	ft lb	Nm			lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>Pistol Grip</b>																			
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	7	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	7	Hole
<b>D-Handle - Inside Trigger</b>																			
IW100HAI-8H	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	22.0	10.0	12.4	315	2	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	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	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	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
<b>D-Handle - Outside Trigger</b>																			
IW100HAO-8H	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	22.0	10.0	12.4	315	2	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	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	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	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

<sup>1</sup> 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 (IW75 models) • Support handle (D-Handle models)

**Accessories:**

Impact Wrench Accessories, see page 60



**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

IMPACT DRIVERS



IW38TBP-2Q



IW38HAP-7Q

**Performance:**

Torque: 10 ft lb (13 Nm) - 200 ft lb (270 Nm)  
 Drive Size: 1/4" (6 mm) hex - 7/16" (11 mm) hex  
 Bolt Capacity: 1/4" (6 mm) - 3/8" (10 mm)

**Features:**

Pistol Grip  
 Steel Anvil Housing  
 Suspension Bail  
 Quick Change Bit Retainer



Impact Drivers

Model Number	Drive Size		Bolt Cap. Grade 5		Working Torque Range <sup>1</sup>		Maximum Torque		Blows Per Minute	Free Speed rpm	Weight		Length		Side To Center		Avg Air Consump.		Socket Retainer Style
	in.	mm	in.	mm	ft lb	Nm	ft lb	Nm			lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>Pistol Grip - Trigger Start</b>																			
IW38TBP-2Q	1/4	6	1/4	6	10-70	13-95	70	95	2000	8000	2.1	1.0	6.3	160	0.9	22	2	1	QC
IW38HAP-7Q	7/16	11	3/8	10	60-200	80-270	250	340	1380	10,000	3.3	1.5	6.7	170	1.1	28	2	1	QC

<sup>1</sup> 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 Driver Accessories, see page 60





**TM SERIES TORQUE MULTIPLIERS**

**Features:**

- Lightweight Titanium Gear Case - Offers 30% weight savings than standard steel gear casing
- Two Speed Gear Shift - More versatility and higher torque range
- High Quality Gears - For longer operating life expectancy between repairs
- Ergo Over Molded Grip - more comfort on the hand
- Integrated swivel joint between drive and gear case - Insures reaction-free operation over the entire bolting cycle
- Fine Pressure Control for torque pre-selection - Ultimate control
- No lateral or impact forces transmitted from tool to user - No sparks from the bolts and less vibration on the user than impact wrenches



**TM50AP-4515K**



**TM Series Torque Multipliers**

Model Number	Drive Size		Torque				Speed		Weight		Noise Level
			Gear 1		Gear 2		Gear 1	Gear 2			
	in.	mm	ft lb	Nm	ft lb	Nm	rpm	rpm	lb	kg	dB(A)
TM50AP-0775	3/4	19	45-188	61-255	125-580	169-786	69	12	10.7	4.9	84
TM50AP-0775K <sup>1</sup>	3/4	19	45-188	61-255	125-580	169-786	69	12	10.7	4.9	84
TM50AP-1075	1	25	59-295	80-400	220-900	298-1220	30	8	13.0	5.9	84
TM50AP-1075K <sup>1</sup>	1	25	59-295	80-400	220-900	298-1220	30	8	13.0	5.9	84
TM50AP-15100	1	25	40-370	54-502	150-1300	203-1763	25	7	15.6	7.1	84
TM50AP-1510K <sup>1</sup>	1	25	40-370	54-502	150-1300	203-1763	25	7	15.6	7.1	84
TM50AP-25100	1	25	110-600	149-813	340-2100	461-2847	9.4	2.6	22.4	10.1	84
TM50AP-2510K <sup>1</sup>	1	25	110-600	149-813	340-2100	461-2847	9.4	2.6	22.4	10.1	84
TM50AP-45150	1-1/2	38	160-1100	217-1491	500-3500	678-4745	6	1.7	23.1	10.5	84
TM50AP-4515K <sup>1</sup>	1-1/2	38	160-1100	217-1491	500-3500	678-4745	6	1.7	23.1	10.5	84
TM50AP-60150	1-1/2	38	220-1600	298-2169	650-5000	881-6779	5.3	1.5	36.3	16.5	84
TM50AP-6015K <sup>1</sup>	1-1/2	38	220-1600	298-2169	650-5000	881-6779	5.3	1.5	36.3	16.5	84

<sup>1</sup> Includes FRL Kit. If you do not own a filter regulator lubricator to operate your TM Series tools, we highly recommend that you purchase your tool with the FRL Kit included.

**General:**

Air Inlet Size: 1/4" NPT (Please use high flow fittings only) • Recommended Hose Size: 3/8" (10 mm)  
 Performance rated @ various air pressures as specified in operations manual

**Standard Equipment:**

Parts List, Safety and Instruction Manual • Reaction arm • Metal carrying case

**Accessories:**

Torque Multiplier Accessories, see pages 55-59

**Applications:**

**Petroleum Processing**

- Heat Exchanger
- Expander
- Preventer
- Converter

**Blast Furnace Plants, Steel Works, Hot Rolling**

- Pipe Construction, Flanges
- Pipe Welding Machine
- Blast Furnace Tongues

**Non-Ferrous Metal Works**

- Pipe Construction, Flanges
- Feed Pumps

**Steeldrawing Plants and Cold Rolling Mills**

- Rolling Mills
- Pipe Welding Tracks

**Steel and Lightweight Metal Construction**

- Bridge Construction
- Hall Construction
- Steel Girders
- Temporary Bridges
- Tower Crane
- Ship Deck Crane

**Steelwork, Rolling Mill Equipment, Mining and Large Equipment**

- Coking Plant
- Shovel Dozer
- Heading and Cutting Machine for Tunnels
- Crawler Mounted Excavator
- Hydraulic Excavator
- Crawler Type Undercarriages
- Crawler Mounted Crane
- Conveyor Systems
- Drawn up Cranes
- Crushers



**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

TM SERIES TORQUE MULTIPLIERS



RATM50-25

Right Angle Tools

Model Number	Drive Size		Torque				Speed		Weight		Noise Level
			Gear 1		Gear 2		Gear 1	Gear 2			
	in.	mm	ft lb	Nm	ft lb	Nm	rpm	rpm	lb	kg	
RATM50-07	3/4	19	45-220	61-298	150-590	203-800	46	15	17.2	7.8	84
RATM50-07K <sup>1</sup>	3/4	19	45-220	61-298	150-590	203-800	46	15	17.2	7.8	84
RATM50-10	1	25	60-295	81-400	220-900	298-1220	24	6.4	17.4	7.9	84
RATM50-10K <sup>1</sup>	1	25	60-295	81-400	220-900	298-1220	24	6.4	17.4	7.9	84
RATM50-15	1	25	80-370	108-502	220-1300	298-1763	20	5.6	20.0	9.0	84
RATM50-15K <sup>1</sup>	1	25	80-370	108-502	220-1300	298-1763	20	5.6	20.0	9.0	84
RATM50-25	1	25	110-600	149-813	340-2100	461-2847	7.5	2.1	26.8	12.0	84
RATM50-25K <sup>1</sup>	1	25	110-600	149-813	340-2100	461-2847	7.5	2.1	26.8	12.0	84
RATM50-45	1-1/2	38	160-1110	217-1491	500-3500	678-4745	4.8	1.4	27.5	12.5	84
RATM50-45K <sup>1</sup>	1-1/2	38	160-1110	217-1491	500-3500	678-4745	4.8	1.4	27.5	12.5	84
RATM50-60	1-1/2	38	220-1600	298-2169	650-5000	881-6779	4.2	1.2	40.7	18.5	84
RATM50-60K <sup>1</sup>	1-1/2	38	220-1600	298-2169	650-5000	881-6779	4.2	1.2	40.7	18.5	84

<sup>1</sup> Includes FRL Kit. If you do not own a filter regulator lubricator to operate your TM Series tools, we highly recommend that you purchase your tool with the FRL Kit included.

General:

Air Inlet Size: 1/4" NPT (Please use high flow fittings only) • Recommended Hose Size: 3/8" (10 mm)  
Performance rated @ various air pressures as specified in operations manual

Standard Equipment:

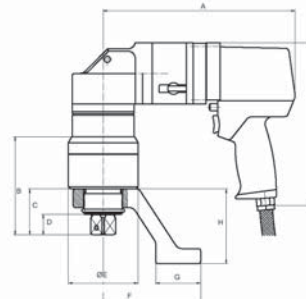
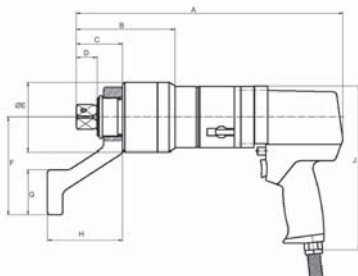
Parts List, Safety and Instruction Manual • Reaction arm • Metal carrying case

Accessories:

Torque Multiplier Accessories, see pages 55-57

Right Angle Tools

Model Number	A		B		C		D		E		F		G		H		J	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TM50AP-0775	13.46	341	4.98	126	2.26	57	0.87	22	3.23	82	4.33	110	1.97	50	3.15	80	8.66	220
TM50AP-1075	13.5	342	5.12	130	2.44	62	1.06	105	3.23	82	5.12	130	2.36	60	3.94	100	8.66	220
TM50AP-15100	13.98	355	5.18	132	2.42	61	1.06	105	3.66	93	5.12	130	2.36	60	3.94	100	8.66	220
TM50AP-25100	15.55	395	5.91	150	2.87	73	1.06	105	3.86	98	6.69	170	2.36	60	3.94	100	8.66	220
TM50AP-45150	16.54	420	7.4	188	6.38	162	1.57	40	3.90	99	6.69	170	2.36	60	5.24	133	8.66	220
TM50AP-60150	17.9	455	10.37	263	3.86	98	1.57	40	4.72	120	7.48	190	3.15	80	5.91	150	8.66	220
RATM50-07	10.05	255	4.98	126	2.26	57	0.87	22	3.23	82	4.33	110	1.97	50	3.15	80	8.66	220
RATM50-10	10.05	255	5.12	130	2.44	62	1.06	105	3.23	82	5.12	130	2.36	60	3.94	100	8.66	220
RATM50-15	10.05	255	5.18	132	2.42	61	1.06	105	3.66	93	5.12	130	2.36	60	3.94	100	8.66	220
RATM50-25	10.05	255	5.91	150	2.87	73	1.06	105	3.86	98	6.69	170	2.36	60	3.94	100	8.66	220
RATM50-45	10.05	255	6.38	162	6.38	162	1.57	40	3.90	99	6.69	170	2.36	60	5.24	133	8.66	220
RATM50-60	10.05	255	10.38	264	3.86	98	1.57	40	4.72	120	7.48	190	3.15	80	5.91	150	8.66	220

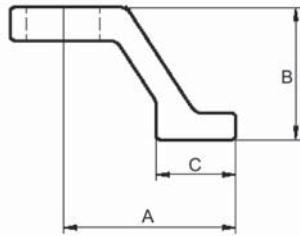


**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

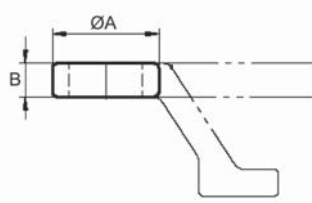
TM SERIES TORQUE MULTIPLIERS ACCESSORIES

**Reaction Arms:**

Standard reaction arms are included with each tool. Long or deep reaction arms are used when standard arms fall short in length. Welding rings are used to make custom reaction arms by welding the extensions to the spline ring.



Reaction Arm



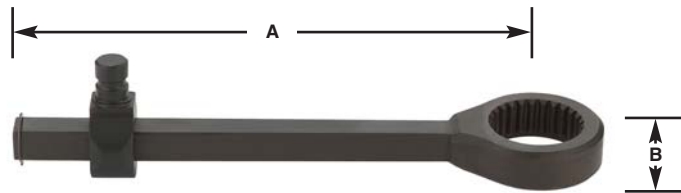
Welding Ring



Standard Reaction Arm



Welding Ring



Adjustable Reaction Arm

**Standard Reaction Arms**

Model Number	Tools Used On	A		B		C	
		in.	mm	in.	mm	in.	mm
RARM-1	TM50AP-0775, RATM50-07	4.33	110	3.15	80	1.97	50
RARM-2	TM50AP-1075, RATM50-10, TM50AP-15100, RATM50-15	5.12	130	3.94	100	2.36	60
RARM-3	TM50AP-25100, RATM50-25	6.69	170	5.11	129	2.36	60
RARM-4	TM50AP-45150, RATM50-45	6.69	170	5.24	150	2.36	60
RARM-5	TM50AP-60150, RATM50-60	7.48	190	5.91	150	3.15	80

**Welding Rings**

WRARM-1	TM50AP-0775, RATM50-07, TM50AP-1075, RATM50-10, TM50AP-15100, RATM50-15	3.07	78	0.98	25	-	-
WRARM-2	TM50AP-25100, RATM50-25	3.86	98	1.3	33	-	-
WRARM-3	TM50AP-45150, RATM50-45, TM50AP-60150, RATM50-60	4.33	110	1.97	50	-	-

**Long or Deep Reaction Arms**

LRARM-1	TM50AP-0775, RATM50-07	4.33	110	4.72	120	1.97	50
LRARM-2	TM50AP-1075, RATM50-10, TM50AP-15100, RATM50-15	5.12	130	5.52	140	2.36	60
LRARM-3	TM50AP-25100, RATM50-25	6.69	170	5.91	150	2.36	60
LRARM-4	TM50AP-45150, RATM50-45	6.69	170	7.1	180	2.36	60
LRARM-5	TM50AP-60150, RATM50-60	7.48	190	7.88	200	3.15	80

**Adjustable Reaction Arms**

ARARM-1	TM50AP-0775	11.80	300	1.00	25	N/A	N/A
ARARM-2	TM50AP-1075 and TM50AP-15100	11.80	300	1.00	25	N/A	N/A
ARARM-3	TM50AP-25100 and TM50AP-45150	14.20	360	1.30	33	N/A	N/A

Steel Reaction Arms are available. To order put the suffix "S" after the model number (example: RARM-1S).



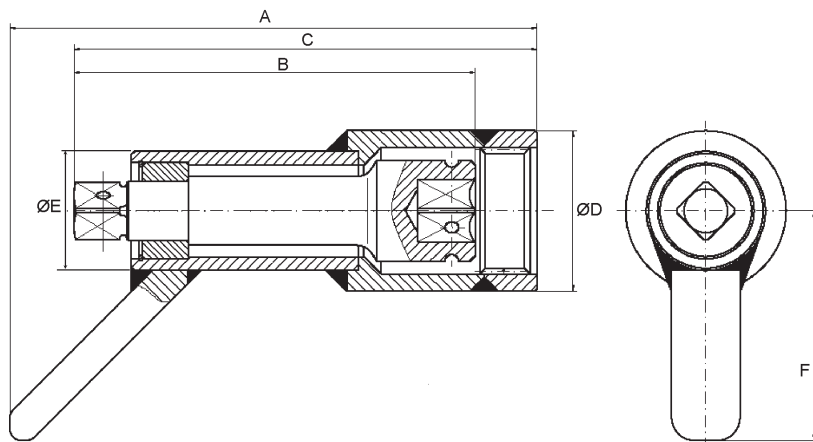
**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

TM SERIES TORQUE MULTIPLIERS ACCESSORIES



Wheel Extensions

Model Number	Drive Size		A		B		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TMEXT-07	3/4	19	9.38	238	6.89	175	8.27	210	2.76	70	1.89	48	3.94	100
TMEXT-07-8	3/4	19	10.36	263	7.87	200	9.26	235	2.76	70	1.89	48	3.94	100
TMEXT-07-10	3/4	19	12.33	313	9.84	250	11.23	285	2.76	70	1.89	48	3.94	100
TMEXT-07-13	3/4	19	15.48	393	13	330	14.83	365	2.76	70	1.89	48	3.94	100
TMEXT-10	1	25	9.5	241	6.89	175	8.35	212	3.07	78	2.05	52	4.33	110
TMEXT-10-8	1	25	10.48	266	7.87	200	13.28	237	3.07	78	2.05	52	4.33	110
TMEXT-10-10	1	25	12.45	316	9.84	250	11.31	87	3.07	78	2.05	52	4.33	110
TMEXT-10-13	1	25	15.6	396	13	330	14.46	367	3.07	78	2.05	52	4.33	110
TMEXT-25	1	25	10.05	255	6.9	175	8.51	216	3.55	90	2.36	60	5.32	135
TMEXT-25-8	1	25	11.03	280	7.88	200	9.5	241	3.55	90	2.36	60	5.32	135
TMEXT-25-10	1	25	13	330	9.85	250	11.47	291	3.55	90	2.36	60	5.32	135
TMEXT-25-13	1	25	16.15	410	13	330	14.62	371	3.55	90	2.36	60	5.32	135



Filter-Regulator-Lubricator Kit

Model: FRLK1660

Weight: 17 lb

Includes 10 ft. 3/8" Hose, Stand, Filter, Regulator, Lubricator, Nuts and Bolts for mounting, and Pressure Gauge.

The FRLK1660 is used to regulate the air pressure and properly lubricate the air motor for ultimate life between service. The chart is an example of what's included in each tool's operation's manual. Air pressure regulates and controls torque output. All TM Series tools must be used with an FRL and it's strongly advised not to exceed the maximum amount of air pressure.







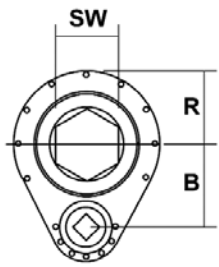
TM SERIES TORQUE MULTIPLIERS ACCESSORIES

**Grab Wheel**

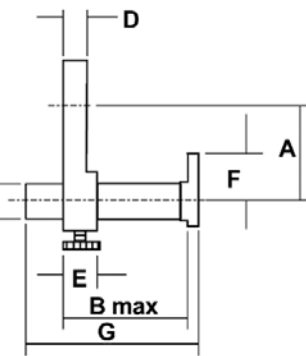
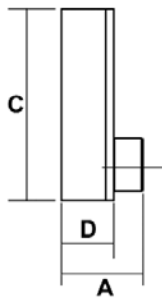
The Grab Wheel option offers advantages of reducing labor time and increasing worker safety. In most plants, the operation people are the only ones who manage the valves, which can take 5 to 8 hours to open and close utilizing multiple personnel. With the new Sioux Plarad and Grab Wheel system, one person can do it in less than 30 minutes including set-up. The Plarad weighs about 13 pounds and the grab wheel attachment is about 25 pounds. Once mounted on the spokes of the valve wheel, the operator doesn't have to hold the load. The Grab Wheel comes equipped with 4" pins that hold the spokes of the valve wheel for ease of set-up and versatility.



STX22-02-GW



Off-Set Gear



Reaction Member



Off-Set Gears

Off-Set Gear Measurements

Model Number	Max Torque		SW		A		B		C		D		R	
	ft lb	Nm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
STX22-02-TL	1623	2200	2.56	65	4.1	104	3.2	81	7.49	190	2.6	66	2.52	64
STX36-02-TL	2655	3600	3.94	100	4.18	106	4.39	112	10.02	255	2.68	67	3.82	97

Output torque of STX-22-02-TL = Torque from Torque Multiplier x 1.6

Output torque of STX-36-02-TL = Torque from Torque Multiplier x 2.5

Reaction Member Measurements

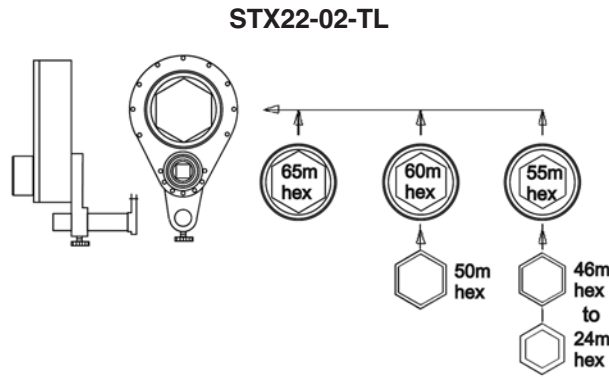
Model Number	A		B		C		D		E		F		G		Weight	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
STX22-R	3.27	83	5.52	140	0.79	20	0.79	20	1.18	30	1.97	50	5.91	150	2.6	5.7
STX36-R	3.27	83	5.52	140	1.18	30	0.79	20	1.18	30	1.97	50	5.91	150	3.0	6.6



**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



**STX22-02-TL**



**STX22-02-TL Measurements**

Model Number	Description
<b>Off-set Gear</b>	<b>Hex Size</b>
STX22-02-TL	65
STX22-02-60	60
STX22-02-55	55
<b>Standard Inserts</b>	<b>Inserts / Standard Inserts</b>
STX22-H55-24	55 / 24
STX22-H55-30	55 / 30
STX22-H55-32	55 / 32
STX22-H55-36	55 / 36
STX22-H55-41	55 / 41
STX22-H55-46	55 / 46
STX22-H60-50	60 / 50

**3" Grab Wheel Pins**

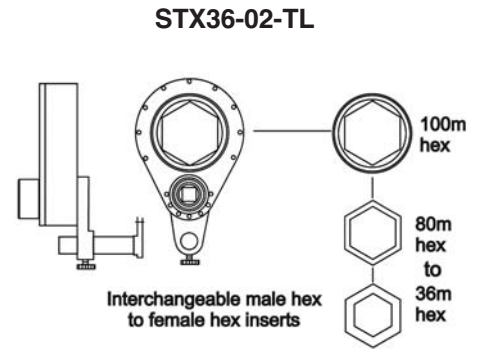
Part No. GWP-3 (3" Pins)

Part No. GWP-4 (4" Pins)

For use on STX22-02-GW



**STX36-02-TL**



**STX36-02-TL Measurements**

Model Number	Description
<b>Off-set Gear</b>	<b>Hex Size</b>
STX36-02-TL	100
<b>Standard Inserts</b>	<b>Inserts / Standard Inserts</b>
STX36-100-80	100 / 80
STX36-100-75	100 / 75
STX36-100-70	100 / 70
STX36-100-65	100 / 65
STX36-100-60	100 / 60
STX36-100-55	100 / 55
STX36-100-50	100 / 50
STX36-100-46	100 / 46
STX36-100-36	100 / 36



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
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### Insert Bit Adapters

Square drive to 5/16" female hex

Part Number	Drive Size
2534	3/8"
2585	1/2"



### Magnetic Bit Holder

Part No: 2525

Accepts 1/4" Hex Insert Bits  
Bushing Part No. 2497 used with 2525



### Quick Change Chuck

Adapts male square drive to female hex quick change



Part Number	Drive Size		Length
	Input (Square Drive)	Output (Hex)	
2530	3/8"	1/4"	1-13/16"
2520	1/2"	7/16"	2/1/4"

### Bit Holder

Part No. 2526

Accepts 1/4" Hex Insert Bits



### Socket Retaining Pins with "O" Rings



34911B & 14318

Retaining Pin	"O" Ring	For Use On
34911B	14318	3/4" Dr. Sockets 6620-6638
34911B	14319	Adaptors 2564, 2565, 2566
34665	14319	Adaptor 2568, All 1" Dr. Sockets

### Phillips Head Insert Bits



Part Number	Bit Size	Length		Point Size
	in.	in.	mm	
2547	1/4	1	25	1
2548	1/4	1	25	2
2549	1/4	1	25	3
2587	5/16	1-1/4	32	2
2589	5/16	1-1/4	32	4

### Remote Exhaust Kits



Part Number	For Use On
3301	1 series pistol grip
3302	1 series inline
3303	Z-Handle series

### Socket Head Insert Bits



Part Number	Length		Hex Size
	in.	mm	
2950	1	25	3/32"
2535B	1	25	1/8"
2536	1-5/16	33	5/32"
2567	1-5/16	33	3/16"



**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



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Abrasive Accessories .....	71-72



# 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.

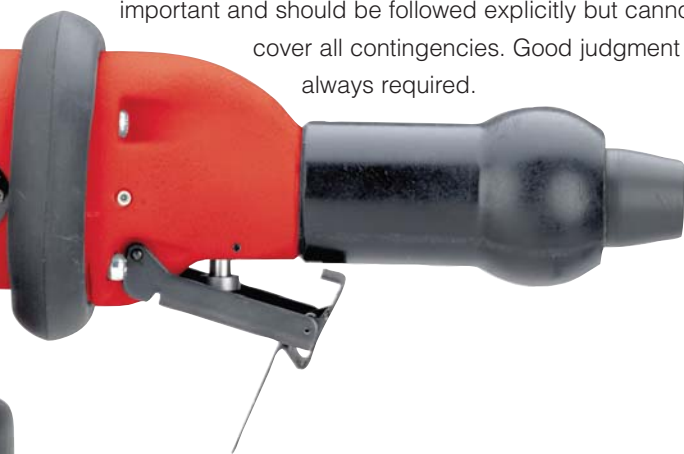
### Abrasive Grinders Principles of Operation

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.



**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



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.



**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.

**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1

**STRAIGHT DIE GRINDERS**



**SDG7S25F**



**SDG10S25F**



**RT1985**



**1DS111**



**SXG10S23R**

**Performance:**

Power: 0.33 hp (0.25 kw) - 1.5 hp (1.1 kw)  
 Speed: 12,000 rpm - 25,000 rpm  
 Collet Size: 1/4" - 1/2" & 6 mm

**Features:**

Lockoff Lever & Twist Throttle  
 Front, Rear, & Side Exhaust  
 Built-in Speed Control



**Straight Die Grinders**

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in.	mm	dB(A)	cfm	l/s		
<b>0.33 hp (0.25 kw) - Lever Throttle</b>										
1DS111	25,000	0.9	0.4	6.0	152	84	17	8	1/4"	Front
1DS121	25,000	0.9	0.4	6.0	152	78	17	8	1/4"	Rear
<b>0.70 hp (0.52 kw) - Lever Throttle</b>										
SDG7S25F	25,000	1.2	0.6	6.0	150	82	25	12	1/4"	Front
SDG7S25M6F	25,000	1.2	0.6	6.0	150	82	25	12	6mm	Front
SDG7S18F	18,000	1.2	0.6	6.0	150	82	25	12	1/4"	Front
SDG7S18M6F	18,000	1.2	0.6	6.0	150	82	25	12	6mm	Front
<b>1 hp (0.75 kw) - Lever Throttle</b>										
SDG10S25F	25,000	1.7	0.8	7.5	190	78	30	14	1/4"	Front
SDG10S25M6F	25,000	1.7	0.8	7.5	190	78	30	14	6mm	Front
SDG10S25R	25,000	1.7	0.8	7.5	190	78	30	14	1/4"	Rear
SDG10S25M6R	25,000	1.7	0.8	7.5	190	78	30	14	6mm	Rear
SDG10S18F	25,000	1.7	0.8	7.5	190	78	30	14	1/4"	Front
SDG10S18M6F	25,000	1.7	0.8	7.5	190	78	30	14	6mm	Front
SDG10S18R	25,000	1.7	0.8	7.5	190	78	30	14	1/4"	Rear
SDG10S18M6R	25,000	1.7	0.8	7.5	190	78	30	14	6mm	Rear
SDG10S12F	25,000	1.7	0.8	7.5	190	78	30	14	1/4"	Front
SDG10S12M6F	25,000	1.7	0.8	7.5	190	78	30	14	6mm	Front
SDG10S12R	25,000	1.7	0.8	7.5	190	78	30	14	1/4"	Rear
SDG10S12M6R	25,000	1.7	0.8	7.5	190	78	30	14	6mm	Rear
<b>1 hp (0.75 kw) - Lever Throttle - Extended</b>										
SXG10S23R	23,000	2.2	1.0	12.1	308	78	30	14	1/4"	Rear
SXG10S23M6R	23,000	2.2	1.0	12.1	308	78	30	14	6mm	Rear
SXG10S18R	18,000	2.2	1.0	12.1	308	78	30	14	1/4"	Rear
SXG10S18M6R	18,000	2.2	1.0	12.1	308	78	30	14	6mm	Rear
SXG10S12R	12,000	2.2	1.0	12.1	308	78	30	14	1/4"	Rear
SXG10S12M6R	12,000	2.2	1.0	12.1	308	78	30	14	6mm	Rear
<b>1.5 hp (1.1 kw) - Twist Throttle</b>										
RT1985 <sup>1</sup>	20,000	4.3	2.0	7.6	193	84	38	18	1/4"	Side
1985-1/2	20,000	4.3	2.0	7.6	193	84	38	18	1/2"	Side
1985A	20,000	4.3	2.0	7.6	193	84	38	18	3/8"	Side

<sup>1</sup>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 pages 71-72



**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**



**1DA221HP**



**SAG10S18**

**Performance:**

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

**Features:**

Lockoff Lever  
 Rear Exhaust  
 Built-in Speed Control



**Right Angle Die Grinders**

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in.	mm	dB(A)	cfm	l/s		
<b>0.33 hp (0.25 kw) - Lever Throttle</b>										
1DA221HP	20,000	1.2	0.5	6.0	152	82	17	8	1/4"	Rear
1DA321HP	12,000	1.2	0.5	6.0	152	82	17	8	1/4"	Rear
<b>1 hp (0.75 kw) - Lever Throttle</b>										
SAG10S18	18,000	2.7	1.2	9.0	230	78	30	14	1/4"	Rear
SAG10S18M6	18,000	2.7	1.2	9.0	230	78	30	14	6mm	Rear
SAG10S12	12,000	2.7	1.2	9.0	230	78	30	14	1/4"	Rear
SAG10S12M6	12,000	2.7	1.2	9.0	230	78	30	14	6mm	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 pages 71-72



**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**



**SWG10S1245**



**1285L**

**Performance:**

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

**Features:**

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

**Right Angle Type 27 Wheel Grinders**



Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm	dB(A)	cfm	l/s	cfm	l/s	
<b>1 hp (0.75 kw) - Lockoff Lever Throttle</b>													
SWG10S183	18,000	3.0	75	2.5	1.1	7.5	190	77	N/A	N/A	35	17	3/8 - 24
SWG10S124	12,000	4.0	100	3.0	1.6	8.3	210	77	N/A	N/A	35	17	3/8 - 24
SWG10S1245	12,000	4.5	115	3.0	1.6	8.3	210	77	N/A	N/A	35	17	5/8 - 11
<b>1 hp (0.75 kw) - Governed Speed - Lockoff Lever Throttle</b>													
1285L	6000	7.0	175	5.9	2.7	12.4	315	85	35	17	18	8	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 • Wheel Guard • Support Handle • Mounting Flange & Nut

**Accessories:**

Grinder Accessories, see pages 71-72



**VERTICAL TYPE 27 WHEEL GRINDERS**



1291



VG20AL-60D7

**Performance:**

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

**Features:**

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

**Vertical Type 27 Wheel Grinders**



Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm	dB(A)	cfm	l/s	cfm	l/s	
<b>1 hp (0.75 kw) - Non-Governed Speed - Lever Throttle</b>													
1291L	6000	7	175	5.0	2.3	7.2	183	80	30	14	38	18	5/8"-11
<b>1 hp (0.75 kw) - Non-Governor Speed - Thumb Throttle</b>													
1291	6000	7	175	5.0	2.3	7.2	183	80	30	14	38	18	5/8"-11
<b>2 hp (1.5 kw) - Class Vertical Grinders - Governed Speed - Lever Throttle</b>													
VG20AL-60D7	6000	7	175	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
VG20AL-45D9	4500	9	230	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
VG20AL-60D9	6000	9	230	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
<b>3 hp (2.2 kw) - Class Vertical Grinders - Governed Speed - Lever Throttle</b>													
VG30AL-60D7	6000	7	175	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-45D7	4500	7	175	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-45D9	4500	9	230	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
VG30AL-60D9	6000	9	230	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11

**General:**

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

**Standard Equipment:**

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

**Accessories:**

Grinder Accessories, see pages 71-72



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

**VERTICAL TYPE 6 & 11 WHEEL GRINDERS**

**VG30AL-60C6**



**Performance:**

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

**Features:**

Governed Speed  
 Lockoff Lever  
 Side Exhaust



**Vertical Type 6 & 11 Wheel Grinders**

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

**General:**

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

**Standard Equipment:**

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

**Accessories:**

Grinder Accessories, see pages 71-72



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

**General:**

Air Inlet Size: 1/4" 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 • Mounting Flange & Nut

**Accessories:**

Grinder Accessories, see pages 71-72



**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

**MATERIAL REMOVAL TOOL**



**ST2L1410**

**Performance:**

Power: 0.90 hp (0.70 kw)  
Speed: 4000 rpm

**Features:**

Removable Support Handle  
Lockoff Lever  
Planetary Gear for Increased Torque



**Material Removal Tool**

Model Number	Free Speed	Weight		Length		Sound Level	Air Consumption		Exhaust
	rpm	lb	kg	in.	mm	dB(A)	cfm	l/s	
ST2L1410	4000	3.3	1.5	13	330	84	24	11	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) • Course Belt ( 68814) • Eraser (68815) • Support Handle

**Accessories:**

Material Removal Tool Accessories, see page 71





**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, 23mm Wide
68910	Course Wire Belt, 11mm Wide
68911	Medium Wire Belt, 23mm Wide
68912	Medium Wire Belt, 11mm Wide
68813	Fine Wire Belt, 23mm Wide
68913	Fine Wire Belt, 11mm Wide
68916	Medium Stainless Steel Wire Belt, 23mm Wide
68917	Medium Stainless Steel Wire Belt, 11mm Wide
68914	Fine Stainless Steel Wire Belt, 23mm Wide
68915	Fine Stainless Steel Wire Belt, 11mm Wide

**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
25894	Washers
512	Flange Nut
30110	3/8" Hex Wrench

**Remote Exhaust Kit**



3304

Part Number	Description
3304	Remote Exhaust Kit for 1DS Rear Exhaust Tools



**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

Collets



21126



44440

Style	Capacity	Part Number	For Use On
Sioux	1/8"	44522	1DA, 1DS, 1954HP, 1956HP, 1962, 1963, 1964, 2S1940
	3/16"	44523	
	1/4"	44440	
	3 mm	66037	
	6 mm	66038	
100 Series	1/4"	21126	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

Support Handles



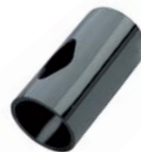
2357



2359

Part Number	Description	For Use On
2357	Support Handle	1960 series
2359	Knob Handle	1960 series
63349	Support Handle	1200 series

Comfort Grip

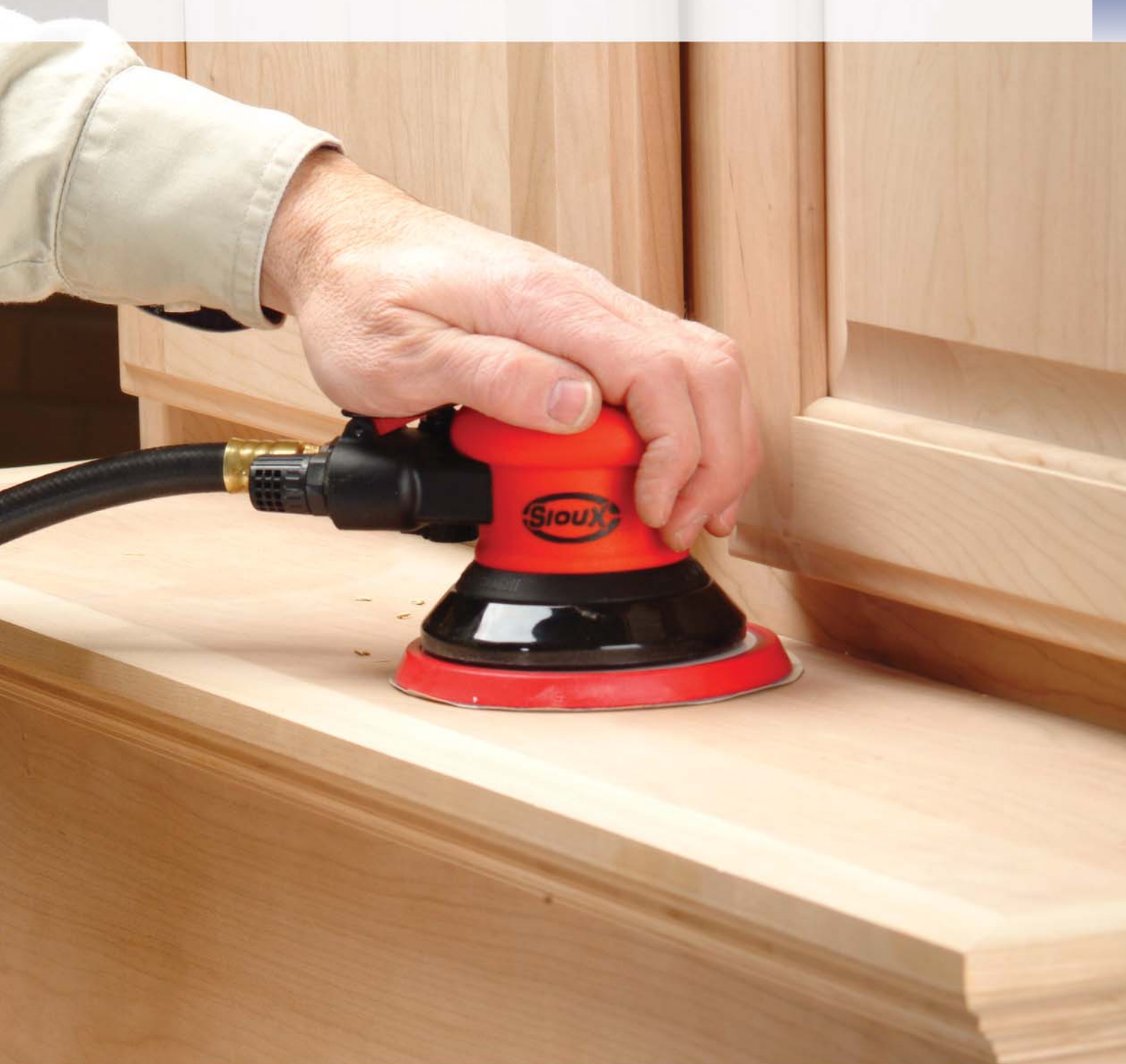


65700

Part Number	Description
65700	Comfort Grip 1DS series



# 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.



**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



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.



**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



**SIGNATURE SERIES RANDOM ORBITAL SANDERS**



**RO2512-50SNP**



**RO2512-50SRP**



**RO2512-50FVP**

**Performance:**

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

**Features:**

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



**RO2512 Series Random Orbital Sanders**

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

**General:**

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

**Standard Equipment:**

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

**Accessories:**

Sander Accessories, see pages 88-90



**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 Free Speed		Sound Level
PSA Pad	H & L Pad	rpm	in.	mm	in.	mm	lb	kg	in.	mm	cfm	l/s	dB(A)
<b>0.40 hp (0.30 kw) - Palm Throttle</b>													
PS690 <sup>1</sup>		10,000	5	125	3/16	5	2.9	1.3	4.2	107	20	9	85
697 <sup>1</sup>		10,000	6	150	3/16	5	2.9	1.3	4.2	107	20	9	85
<b>0.40 hp (0.30 kw) - Dual Action - Lever Throttle</b>													
658 <sup>1</sup>		10,000	5	125	3/16	5	3.2	1.5	4.2	107	20	9	85

For remote vacuum ready add suffix V

<sup>1</sup>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 88-90



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

**ORBITAL JITTERBUG SANDERS**



**RO2510-44FNC**

**Performance:**

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

**Features:**

Built-in Speed Control  
 Ergonomic 24-Position Indexable Grip

**Orbital Jitterbug Sanders**



Model Number	Paper Size		Orbit Diameter		Weight		Height		Air Consumption Free Speed		Sound Level		
	in.	mm	in.	mm	lb	kg	in.	mm	cfm	l/s	dB(A)		
<b>0.25 hp (0.19 kw)</b>													
RO2510-44FNC	3-3/4	4-1/4	95	105	3/32	3	1.8	0.8	3.5	90	13	6	81

**General:**

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

**Standard Equipment:**

Parts List • Safety and Instruction Manual

**Accessories:**

Sander Accessories, see pages 88-90



**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

**GEARED ORBITAL SANDERS**



**GO459-60SNP**



**GO459-80SRP**

**Performance:**

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

**Features:**

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



**Geared Orbital Sanders**

Model Number		Free Speed	Pad Size		Weight		Height		Air Consumption Free Speed		Sound Level
PSA Pad	H & L Pad	rpm	in.	mm	lb	kg	in.	mm	cfm	l/s	dB(A)
<b>.45 HP (0.34 kw) Non-Vacuum</b>											
GO459-60SNP	GO459-60SNH	900	6	150	4.4	2.0	5	127	15	7	82
GO459-80SNP	GO459-80SNH	900	8	200	4.4	2.0	5	127	15	7	82
<b>.45 HP (0.34 kw) Remote Vacuum</b>											
GO459-60SRP	GO459-60SRH	900	6	150	4.4	2.0	5	127	15	7	82
GO459-80SRP	GO459-80SRH	900	8	200	4.4	2.0	5	127	15	7	82

**General:**

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

**Standard Equipment:**

Parts List • Safety and Instruction Manual

**Accessories:**

Sander Accessories, see pages 88-90



**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

**PISTOL GRIP SANDERS**



**SPS10P18**



**SDG10P18**

**Performance:**

Power: 1 hp (0.75 kw)  
 Speed: 18,000 rpm - 21,000 rpm

**Features:**

Trigger Start  
 Down-Handle Exhaust  
 Comfort Grip



**Pistol Grip Sanders**

Model Number	Free Speed	Weight		Length		Air Consumption Free Speed		Sound Level
	rpm	lb	kg	in.	mm	cfm	l/s	dB(A)
<b>1 hp (0.75 kw) - 5" (125 mm) Diameter Backing Pad</b>								
SPS10P18	18,000	1.7	0.8	4.5	115	35	17	80
<b>1 hp (0.75 kw) - 1/4" Collet</b>								
SDG10P18	18,000	1.7	0.8	5.8	145	35	17	80
SDG10P21	21,000	1.7	0.8	5.8	145	35	17	80

**General:**

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

**Standard Equipment:**

Parts List • Safety and Instruction Manual • Comfort Grip

**Accessories:**

Sander Accessories, see pages 88-90



**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



1DA221HP

**Performance:**

Power: 0.33 hp (0.25 kw)  
 Speed: 12,000 rpm - 20,000 rpm

**Features:**

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

**1/3 HP Right Angle Sanders**



Model Number	Free Speed	Weight		Length		Air Consumption Freed Speed		Sound Level	Exhaust
	rpm	lb	kg	in.	mm	cfm	l/s	dB(A)	
<b>0.33 hp (0.25 kw) - 1/4" Collet</b>									
1DA221HP	20,000	1.2	0.5	6.0	152	17	8	82	Rear
1DA321HP	12,000	1.2	0.5	6.0	152	17	8	82	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 • Comfort Grip • Collet & Collet Wrenches (as required) • Angle Head Lubricant

**Accessories:**

Sander Accessories, see pages 88-90



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

**RIGHT ANGLE SANDERS**



**SAS10S125**



**1287L**

**Performance:**

Power: 1 hp (0.75 kw)  
 Speed: 6000 rpm - 12,000 rpm

**Features:**

Governed & Non-Governed  
 Lockoff Lever Throttle



**Right Angle Sanders**

Model Number	Free Speed	Pad Diameter		Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm	cfm	l/s	cfm	l/s	dB(A)	
<b>1 hp (0.75 kw) - Lockoff Lever Throttle - Rear Exhaust</b>													
SAS10S125	12,000	5	125	3.5	1.6	8.3	210	N/A	N/A	35	17	77	3/8 - 24
<b>1 hp (0.75 kw) - Governed Speed Control - Lockoff Lever Throttle</b>													
1287L <sup>1</sup>	6000	7	175	5.9	2.7	11.3	287	35	17	18	8	85	5/8"-11

<sup>1</sup> 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 • Backing Pad & Nut

**Accessories:**

Sander Accessories, see pages 88-90



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



**VERTICAL SANDERS**



**Performance:**

Power: 1 hp (0.75 kw) - 2 hp (1.5 kw)  
 Speed: 6000 rpm - 7200 rpm

**Features:**

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



**Vertical Sanders**

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

**General:**

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

**Standard Equipment:**

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

**Accessories:**

Sander Accessories, see pages 88-90



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

**STRAIGHT SANDERS**



**2L1600AP38**  
Flapper wheel  
not included



**2L1300AP**  
Inflatable drum  
sold separately

**Performance:**

Power: 0.6 hp (0.25 kw)  
Speed: 2000 rpm - 3350 rpm

**Features:**

Lockoff Lever Throttle  
Rear Exhaust  
Support Handle

**Straight Sanders**



Model Number	Free Speed	Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level
	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	dB(A)
<b>0.60 hp (0.25 kw) - 1/2"-13 Spindle Thread</b>										
2L1300AP	3350	2.3	1.0	6.0	152	21	10	28	13	82
<b>0.60 hp (0.25 kw) - 3/8"-24 Spindle Thread</b>										
2L1600AP38	2000	2.3	1.0	6.0	152	21	10	28	13	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 • Support Handle • Mounting Washers & Nut

**Accessories:**

Sander Accessories, see pages 88-90



**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



1238L

**Performance:**

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

**Features:**

Governed Speed Control  
Lockoff Lever Throttle  
Spindle Lock  
Remote Exhaust



**Right Angle Polishers**

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

<sup>1</sup> Weight includes pad & holder.

**General:**

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

**Standard Equipment:**

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

**Accessories:**

Polisher Accessories, see pages 88-90



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

**VERTICAL POLISHERS**



**Performance:**

Power: 1 hp (0.75 kw)  
Speed: 2000 rpm - 3000 rpm

**Features:**

Lever & Thumb Throttle  
Side Exhaust  
Comfort Grips



**Vertical Polishers**

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

<sup>1</sup> 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 88-90





### Spindle Adapter Kits

For use on 2L series straight sanders



500A

Part Number	Adapts Spindle Threads		Length	
	From	To	in.	mm
500	3/8"-24"	1/2"-13"	3	76
500A	1/2"-20"	1/2"-13"	3	76

### 3-1/2" x 5" Abrasive Belts

For use on 2L series straight sanders



521DA

Part Number	Grit
523DA	50
522DA	80
521DA	120
520DA	180

### Comfort Grips



66667

Part Number	Description	For Use On
66667	Cushion Grip	690 series

### Speed-Lok Backing Pads

For use on 1DA series, 540ESC series sanders



587M



588M

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

### Support Handle

Part No. 2362

For use on 2L series straight sanders



### Support Handle

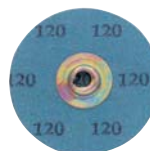
Part No. 2357

For use on 1965, 1965-5/8" sanders



### Speed-Lok Abrasive Discs

For use on 1DA series, 540ESC series sanders



587-120

Part Number	Diameter		Grit
	in.	mm	
587-60	2	50	60
587-120	2	50	120
587-240	2	50	240
588-60	3	75	60
588-120	3	75	120
588-240	3	75	240

### Inflatable Sanding Drum

Part No. 504

For use on 2L series straight sanders



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



## Orbital Sander Backing Pads

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

5/16" - 24 Spindle Thread



591



592



593



593V



593SV



594



594V

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

<sup>1</sup> PSA - Vinyl face for pressure sensitive adhesive sanding discs

<sup>2</sup> H&L - Hook and loop face

## 7" (175 mm) Sanding Kits

For use on 1287, 1287L, 1290, 1290L



545H

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

## 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

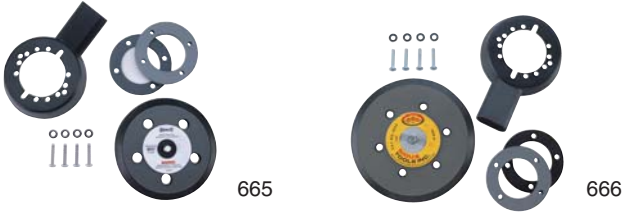
Part Number	Diameter	
	in.	mm
2344*	5	125
2364*	5	125

\* Includes disc nut 563



**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

**Vacuum Conversion Kits**



Part Number	For Use On
665	658, 690, 758, 790
666	660, 697, 760, 797

**Remote Exhaust Kit**

For use on 1DA and 1 DS series



3304B

**Polishing Accessories**



1211B



1220



847



1214

Part Number	Grit	Grit
846C*	Backing pad (Includes 524)	
1211B*	Wool polishing pad	
524*	Retaining nut	
847	Hook & loop backing pad	1238, 1238L
1220	Hook & loop polishing pad	1292, 1292L
843	Tie-on wool bonnet (pkg 10)	
1214	Polishing pad cleaning tool	

\* Standard equipment on polishers



**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

# PERCUSSIVE



## Index

Scalers .....	94-96
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Percussive Accessories .....	100-102

# 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).

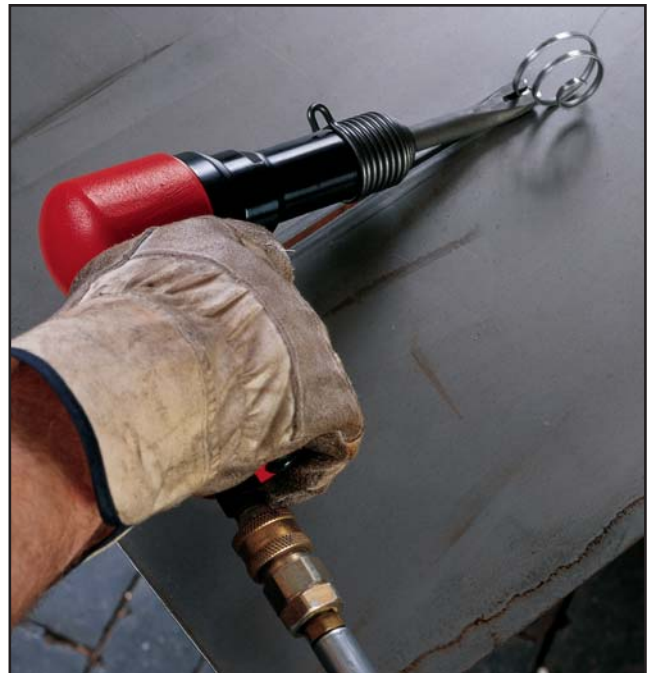


**SAFETY PRECAUTION:** Read and follow all safety and operating instructions.  
**WARNING:** Face & eye protection must be worn while operating power tools, per ANSI B186.1



### 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.



**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



**SQUARE SHANK SCALERS**



SC41011AU-N5



SC41011AL-C

**Performance:**

Stroke: 1.1" (28 mm)  
 Bore: 1.0" (25 mm)  
 Blows per Minute: 4600

**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**



**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
<b>Chisel Scaler - Lever Throttle</b>													
SC41011AL-C	1.1	28	1.0	25	4600	4.6	2.1	10.5	263	0.9	23	12.0	6
<b>Chisel Scaler - Push/Pull Throttle</b>													
SC41011AU-C	1.1	28	1.0	25	4600	4.6	2.1	12.0	300	0.9	23	12.0	6
<b>Needle Scaler - Lever Throttle</b>													
SC41011AL-N5	1.1	28	1.0	25	4600	6.3	2.9	15.3	383	1.0	25	12.0	6
<b>Needle Scaler - Push/Pull Throttle</b>													
SC41011AU-N5	1.1	28	1.0	25	4600	6.3	2.9	16.8	420	1.0	25	12.0	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 100-102

**SC4 Scaler Kit**  
 Part No. SC41011AL-K

- SC4 Lever Needle Scaler
- Additional Set of Needles
- 5/8" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



**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



**OCTAGON SHANK SCALERS**



**SC80910AL-N5**



**SC80910AL-C**

**Performance:**

Stroke: 1.0" (25 mm)  
 Bore: 15/16" (23 mm)  
 Blows per Minute: 4300

**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**



**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
<b>Chisel Scaler - Octagon Shank - Lever Throttle</b>													
SC80910AL-C	1.0	25	15/16	23	4300	4.0	1.7	15.0	375	0.8	20	12.0	6
<b>Needle Scaler - Octagon Shank - Lever Throttle</b>													
SC80910AL-N5	1.0	25	15/16	23	4300	6.2	2.7	17.0	425	0.9	23	12.0	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 100-102

**SC8 Scaler Kit**

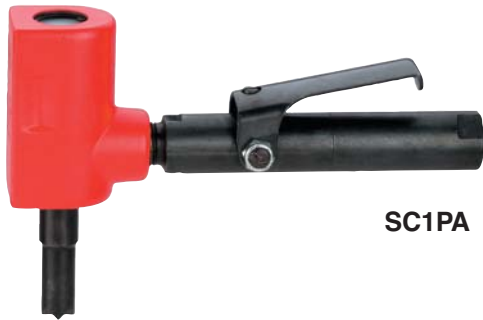
**Part No. SC80910AL-K**

- SC8 Needle Scaler
- Additional Set of Needles
- 5/8" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



**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**



**SC1PA**



**SC3PA**

**Performance:**

Stroke: 13/16" (21 mm)  
 Bore: 1.0" (25 mm)  
 Blows per Minute: 4000 - 5200

**Features:**

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



**Piston Scalers**

Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side to Center		Air Consumption		Piston Type
	in.	mm	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>Single Piston Scaler</b>														
SC1PA	13/16	21	1.0	25	4000	4.5	2.0	9.0	230	7/8	22	9	4	Steel
SC1PA-C	13/16	21	1.0	25	4000	4.5	2.0	9.0	230	7/8	22	9	4	Carbide Tipped
<b>Triple Piston Scaler</b>														
SC3PA	13/16	21	1.0	25	5200	8.3	3.8	11.0	280	7/8	22	15	7	Steel
SC3PA-C	13/16	21	1.0	25	5200	8.3	3.8	11.0	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 100-102

**Replacement Pistons**

Part Number	Description
2387	Standard Steel Piston
2388	Standard Steel Piston (2" Longer Than Standard)
2389	Carbide Tipped Piston (Chisel Point)
2390	Carbide Tipped Piston (Star Point)
2391	Solid Carbide Piston (Chisel Point)
2392	Solid Carbide Piston (Star Point)





**Performance:**

Rivet Capacity: 5/32" (4.0 mm) - 1/4" (6.4 mm)  
 Stroke: 2.0" (50 mm) - 4.0" (100 mm)  
 Bore: 0.6" (15 mm)

**Features:**

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

**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	8.0	4
270A	3/16	4.8	3.0	75	0.6	15	2000	3.2	1.5	6.8	173	1.1	28	8.0	4
270A-4	1/4	6.4	4.0	100	0.6	15	1700	3.5	1.6	7.8	198	1.1	28	8.0	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:**

Scaler Accessories, see pages 100-102



**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 CHIPPING HAMMERS**



**CH43A-R**

**Performance:**

Stroke: 2.0" (50 mm) - 4.0" (100 mm)  
 Bore: 1-1/8" (29 mm)

**Features:**

Round Front End Bushing  
 or Hex Front End Bushing



**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
<b>Four Bolt Chipping Hammer - Round Front End Bushing</b>													
CH42A-R	1-1/8	29	2.0	50	2100	18	8.0	16.0	405	1-5/8	41	33	15.6
CH43A-R	1-1/8	29	3.0	75	1650	19	8.6	17.0	430	1-5/8	41	34	16.0
CH44A-R	1-1/8	29	4.0	100	1375	20	9.0	18.0	455	1-5/8	41	35	16.5
<b>Four Bolt Chipping Hammer - Hex Front End Bushing</b>													
CH42A-H	1-1/8	29	2.0	50	2100	18	8.0	16.0	405	1-5/8	41	33	15.6
CH43A-H	1-1/8	29	3.0	75	1650	19	8.6	17.0	430	1-5/8	41	34	16.0
CH44A-H	1-1/8	29	4.0	100	1375	20	9.0	18.0	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:**

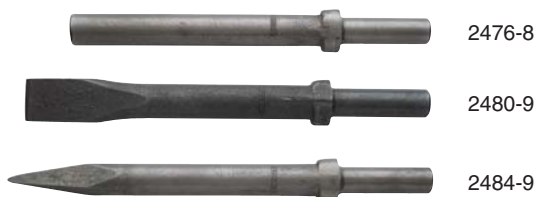
Four Bolt Chipper Accessories, see pages 100-102



**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



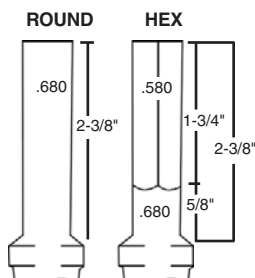
Part Number	For Use On
2476-8	Blank, 8", Oval Collar, Rd Shank
2477-8	Blank, 8", Oval Collar, Hex Shank
2478-8	Blank, 8", Rd Collar, Rd Shank
2479-8	Blank, 8", Rd Collar, Hex Shank
2476-11B	Blank, 11", Oval Collar, Rd Shank
2477-11	Blank, 11", Oval Collar, Hex Shank
2478-11	Blank, 11", RD Collar, Rd 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

### Four Bolt Chipper Accessories

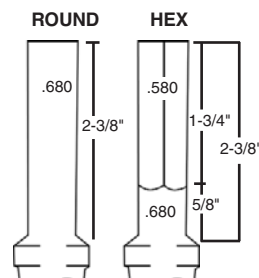


Part Number	For Use On
2488-9	Chisel, 1-1/2" X 9", Oval Collar, Rd Shank
2489-9	Chisel, 1-1/2" X 9", Oval Collar, Hex Shank
2490-9	Chisel, 1-1/2" X 9", Rd Collar, Rd Shank
2491-9	Chisel, 1-1/2" X 9", Rd Collar, Hex Shank
2488-12	Chisel, 1-1/2" X 12", Oval Collar, Rd Shank
2489-12	Chisel, 1-1/2" X 12", 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

#### OVAL COLLAR



#### ROUND COLLAR



**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



**Scaler Accessories**



**Square Shank**



**Octagon Shank**



2187



2188



2189



2190



2191

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	5/8	16
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	2299	Flat Chisel	18	450	2	50

**Scaling Needles**



2260

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

**Scaler Kits**



**SC4 Scaler Kit**  
Part No. SC41011AL-K

- SC4 Lever Needle Scaler
- Additional Set of Needles
- 5/8" 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
- 5/8" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case



**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
2208	Special Spring, use in place of 2207 with 2201, 2205, 2716, 2217, 2219 and 2220

## 270 Rivet Sets

.401 Parker Taper Shank



2228

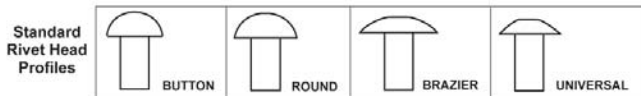


2238

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	2228B	2229	2230B	2231	2244
Round Head	2232	2233	2234B	2235	2245
Brazier Head	2236	2237B	2238	2239	2246
Universal Head	2240	2241B	2242B	2243	2247

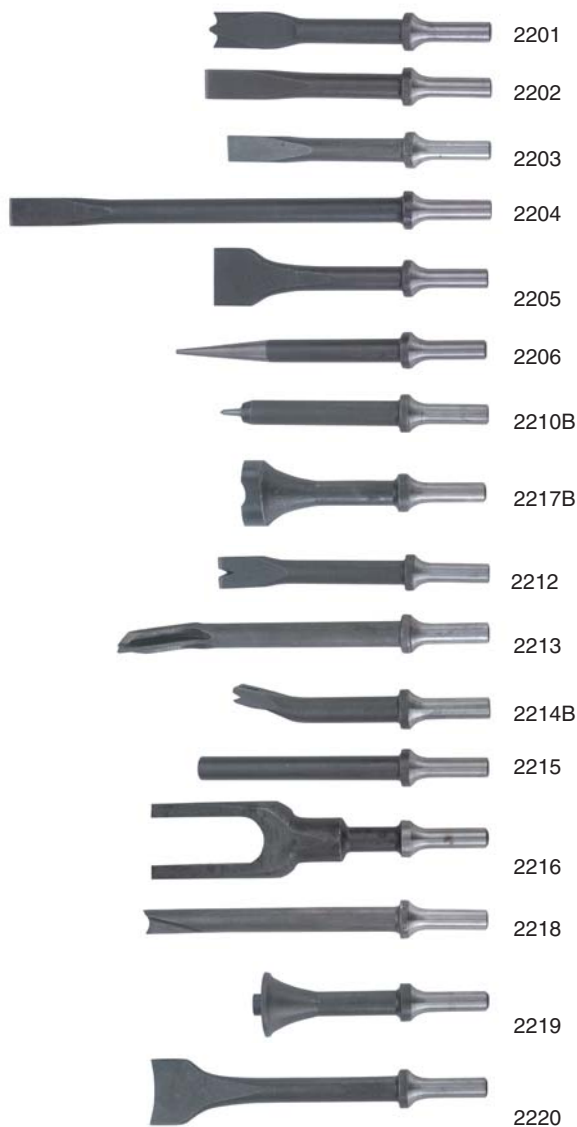
3-1/2" (90 mm) overall length

## Rivet Set Profiles



## Hammer Accessories

.401 Parker Taper Shank



SC4 Chisels	Description	Width		Length	
		in.	mm	in.	mm
2201	Cutter			6	150
2202	Chisel			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
2217B	Rust Breaker			5-1/4	135
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
2218	Bushing Cutter			7	175
2219	Bushing Driver			4-1/2	115
2220	Bushing Chisel	1-5/8	40	7	175



**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



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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.

### Metal Working Tools

#### 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.



**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



### 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.



**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

**ROUTERS**



**SRT10S25N**



**SRT10S25B**



**SRT10S25BB**



**SRT10S25LT**

**Performance:**

Power: 1.0 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		Sound Level
		rpm	lb	kg	in.	mm	cfm	l/s	dB(A)
<b>Template Nose</b>									
SRT10S25N	1/4	25,000	2.1	0.95	9.0	230	30	14	78
SRT10S25M6N	1/4	25,000	2.1	0.95	9.0	230	30	14	78
SRT10S18N	1/4	18,000	2.1	0.95	9.0	230	30	14	78
SRT10S18M6N	1/4	18,000	2.1	0.95	9.0	230	30	14	78
<b>3" Base</b>									
SRT10S25B	1/4	25,000	2.1	0.95	9.0	230	30	14	78
SRT10S25M6B	1/4	25,000	2.1	0.95	9.0	230	30	14	78
SRT10S18B	1/4	18,000	2.1	0.95	9.0	230	30	14	78
SRT10S18M6B	1/4	18,000	2.1	0.95	9.0	230	30	14	78
SRT10S25BB	1/4	25,000	2.6	1.15	8.3	210	30	14	78
SRT10S18BB	1/4	18,000	2.6	1.15	8.3	210	30	14	78
<b>Laminate Trimmer</b>									
SRT10S25LT	1/4	25,000	2.9	1.30	9.3	235	30	14	78
SRT10S18LT	1/4	18,000	2.9	1.30	9.3	235	30	14	78

Template guides must be ordered separately

**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 120-121



**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





**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 (1.12 kw) Routers**

Model Number	Collet Size	Free Speed	Weight		Height		Base Diameter		Maximum Air Consumption		Sound Level	
		rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)	
<b>Finger Throttle</b>												
1981F	1/2"	20,000	6.0	2.7	9.8	248	4.0	102	38	18	85	
<b>Twist Throttle</b>												
1980A	1/4"	20,000	4.5	2.0	7.6	193	4.0	102	38	18	85	
1980	3/8"	20,000	4.5	2.0	7.6	193	4.0	102	38	18	85	
RT1981	1/2"	20,000	4.5	2.0	7.6	193	4.0	102	38	18	85	
1982A	1/4"	20,000	7.5	3.4	8.3	211	6.0	152	38	18	85	
RT1982	3/8"	20,000	7.5	3.4	8.3	211	6.0	152	38	18	85	
RT1983	1/2"	20,000	4.8	2.2	8.3	211	6.0	152	38	18	85	

**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 & Collet Wrenches

**Accessories:**

Router Accessories, see pages 120-121



**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

TAPPERS



STP10P3C20



STP10S3B12

**Performance:**

Power: 1 hp (0.75 kw)  
 Torque: 145 in. lb (16 Nm) - 400 in. lb (45 Nm)  
 Speed: 300 rpm - 1200 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 rpm	Weight		Length		Air Consumption		Sound Level dB(A)
	in.	mm	in. lb	Nm		lb	kg	in.	mm	cfm	l/s	
<b>1 hp (0.75 kw) - Pistol Grip - Trigger Start</b>												
STP10P3C20	#10-5/16	5-8	400	45	300	2.9	1.3	7.3	185	30	14	80
STP10P3C32	1/4-1/2	6-13	400	45	300	2.9	1.3	7.3	185	30	14	80
<b>1 hp (0.75 kw) - Inline - B12 Taper Spindle</b>												
STP10S12B12			145	16	1200	2.5	1.2	9.5	240	30	14	78
STP10S7B12			220	25	700	2.5	1.2	9.5	240	30	14	78
STP10S5B12			325	37	500	2.5	1.2	9.5	240	30	14	78
STP10S3B12			400	45	300	2.5	1.2	9.5	240	30	14	78

**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 120-121



**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

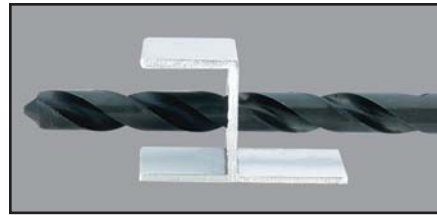
When installing clinch nut fasteners, the key to achieving high productivity with accurate, repeatable results is matching the right tool and fastener to your application. The right combination of rundown speed and stall torque in conjunction with a quick reverse method for disengaging the tool, will 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

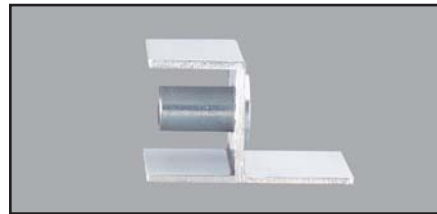
The ergonomic pistol housing with comfort rubber grip ensures operator comfort while maintaining superb balance and control. The powerful, precision motor ensures fast and consistent installation of fasteners in a variety of applications, and the wide selection of speeds and threads in both English and 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.



**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

**CLINCH NUT TOOLS**



**Performance:**

Torque: 60 in. lb (6.5 Nm) - 400 in. lb (45 Nm)  
 Speed: 300 rpm - 2500 rpm

**Features:**

Reversible  
 Pistol Grip



**1 HP (0.75 kw) Clinch Nut Tools**

Model Number	Free Speed	Maximum Torque		Weight		"A" Dimension		Side to Center		Maximum Air Consumption		Sound Level
	rpm	in. lb	Nm	lb	kg	in.	mm	in.	mm	scfm	l/s	dB(A)
<b>Pistol Grip - Rapid Reverse - Power Units Specifications</b>												
SCN3R	300	400	45.2	3.2	1.5	11.0	279	0.9	20	30	14	80
SCN5R	500	325	36.7	3.2	1.5	11.0	279	0.9	20	30	14	80
SCN7R	700	220	24.8	3.2	1.5	11.0	279	0.9	20	30	14	80
SCN12R	1200	145	16.4	3.2	1.5	11.0	279	0.9	20	30	14	80
SCN20R	2000	80	9.0	2.8	1.3	10.0	254	0.9	20	30	14	80
SCN25R	2500	60	6.5	2.8	1.3	10.0	254	0.9	20	30	14	80

Power units can be ordered separately using part number above. For ordering complete tools select the appropriate power unit from the chart above and head assembly from the chart below and combine their part numbers as shown in the following example: SCN3R420.

**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 120-121



**Clinch Nut (Female)**

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 (Male)**

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 assemblies can be ordered separately by adding the prefix SCN to the above part number, (example SCN-420).



**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

RIVET SHAVERS



SRS10P21-8



SRS10S21-8

**Performance:**

Power: 1 hp (0.75 kw)  
Speed: 21,000 rpm

**Features:**

Pistol Grip & In-line

Rivet Shavers



Model Number	Cutter Diameter		Free Speed rpm	Weight		Length		Side to Center		Maximum Air Consumption		Sound Level dB(A)
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s	
<b>1 hp (0.75 kw) - Pistol Grip - 1/4" -28 Internal Thread</b>												
SRS10P21-5	5/16	8	21,000	2.7	1.2	8.0	205	0.9	23	25	12	80
SRS10P21-6	3/8	10	21,000	2.7	1.2	8.0	205	0.9	23	25	12	80
SRS10P21-7	7/16	11	21,000	2.7	1.2	8.0	205	0.9	23	25	12	80
SRS10P21-8	1/2	13	21,000	2.7	1.2	8.0	205	0.9	23	25	12	80
SRS10P21-9	9/16	14	21,000	2.7	1.2	8.0	205	0.9	23	25	12	80
SRS10P21-10	5/8	16	21,000	2.7	1.2	8.0	205	0.9	23	25	12	80
<b>1 hp (0.75 kw) - In-line - 1/4" - 28 Internal Thread</b>												
SRS10S21-8	1/2	13	21,000	2.5	1.1	10.0	255	0.9	23	30	14	78

**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)

**Accessories:**

Rivet Shaver Accessories, see pages 120-121



**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

**SKIN CLAMP RUNNERS**



**2S2300SR**



**SSR6P-25**

**Performance:**

Speed: 2200 rpm - 2500 rpm

**Features:**

Pistol Grip and Z-Handle

**Skin Clamp Runners**



Model Number	Free Speed	Weight		Length		Side to Center		Maximum Air Consumption		Sound Level
	rpm	lb	kg	lb	kg	in.	mm	cfm	l/s	dB(A)
<b>Z Handle</b>										
2S2300SR	2200	2.6	1.2	5.7	145	0.9	23	16	8	75
<b>Pistol Grip</b>										
SSR6P-25	2500	2.7	1.2	9.2	234	0.9	23	30	14	78

**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 120-121



**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





1300

**Performance:**

Power: 1.0 hp (0.75 kw)  
 Strokes per Minute: 1800  
 Stroke Length: 0.6 in. (15 mm)

**Features:**

Lockoff Trigger Start  
 Variable Speed  
 Swivel Air Inlet

**Reciprocating Saw**

Model Number	Stroke Length		Strokes per Minute	Power		Weight		Length		Air Consumption		Sound Level
	in.	mm		hp	kw	lb	kg	in.	mm	cfm	l/s	dB(A)
1300	0.6	15	1800	1.0	0.7	7.8	3.5	17.2	437	35	17	86

**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 • 2 Blades • Protective Boot

**Accessories:**

Reciprocating Saw Accessories, see pages 120-121



**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

**PANEL SAW AND CUTOFF SAW**



**SCO10S253F**

**Performance:**

Power: 1.0 hp (0.75 kw)  
Free Speed: 25,000 rpm

**Features:**

Inline  
Lockoff Lever Start  
Front or Rear Exhaust



**Panel and Cutoff Saw**

Model Number	Stroke Length		Free Speed rpm	Weight		Length		Air Consumption		Sound Level dB(A)	Exhaust
	in.	mm		lb	kg	in.	mm	cfm	l/s		
<b>1 hp (0.75 kw) - Cutoff Saw - Inline - Lockoff lever Start</b>											
SCO10S253F	3.0	76	25,000	2	0.9	8.3	210	30	14	78	Front
SCO10S253R	3.0	76	25,000	2	0.9	8.3	210	30	14	78	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 • 3 Blades • Spindle Wrenches & Guard

**Accessories:**

Panel and Cutoff Saw Accessories, see pages 120-121



**NIBBLER & SHEARS**



**1444HPL**



**1446HPL**



**SSH10P18**

**Performance:**

Power: 0.75 hp (0.56 kw) - 1.0 hp (0.75 kw)  
Capacity: 18 Gauge Cold Rolled Steel

**Nibbler & Shears**



Model Number	Capacity (Cold Rolled Steel)	Power		Weight		Length		Side to Center		Maximum Air Consumption		Sound Level
	in.	hp	kw	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
<b>Nibbler</b>												
1444HPL <sup>1</sup>	18 Ga	0.75	0.56	2.8	1.3	8.1	206	0.9	23	28	13	85
<b>Shears</b>												
1446HPL <sup>1</sup>	18 Ga	0.75	0.56	2.8	1.3	10.0	254	0.9	23	28	13	85
SSH10P18	18 Ga.	1.0	0.75	2.9	1.3	10.0	255	0.9	22	30	14	80

<sup>1</sup> 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 (1446ES)

**Accessories:**

Nibbler & Shears Accessories, see pages 120-121



**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

## 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 stroke 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?



**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

COMPRESSION RIVETERS

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



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	in.	mm	in.	mm	in.	mm	lb	kg	in.	mm
<b>CR-1 Single Cylinder</b>																				
SZE5000	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
SZE5015	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
SZE5022	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
SZE5030	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
<b>CR-2</b>																				
SZE50152	1/4	6	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
SZE50222	1/4	6	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
SZE50302	1/4	6	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
<b>CR-1 Tandem Cylinder</b>																				
SZE7000	NA	NA	5/32	4	3/16	5	NA	NA	NA	NA	6000	26.7	5/8	16	final 1/16	2	4	1.8	10-1/2	267
SZE7015	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
SZE7022	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	2.7	13	330
SZE7030	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
<b>CR-2</b>																				
SZE70152	1/4	6	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
SZE70222	1/4	6	1/8	3	5/32	4	2-1/4	57	7/8	22	4300	19.1	7/8	22	final 3/32	2	6	2.7	13	330
SZE70302	1/4	6	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
<b>CR-1 Triple Cylinder</b>																				
SZE9000	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
SZE9015	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	3.2	16	406
SZE9022	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
SZE9030	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	3.6	17.5	445
<b>CR-2</b>																				
SZE90152	1/4	6	3/16	5	1/4	6	1-1/2	38	7/8	22	9000	40.1	5/8	16	final 1/16	2	7	3.2	16	406
SZE90222	1/4	6	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
SZE90302	1/4	6	5/32	4	3/16	5	3	76	7/8	22	5200	23.1	1-1/4	32	final 1/8	3	8	3.6	17.5	445

General:

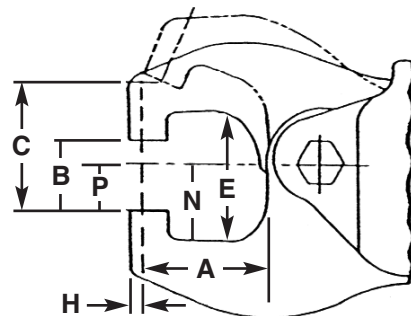
Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

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
3.0	76	7/8	22	2-1/8	54	2-1/8	54	7/32	6	1-1/4	32	5/8	16



**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

**COMPRESSION RIVETERS**

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



**SZE3015**



**SZE6015**



**SZE8015**

**Compression Riveters**

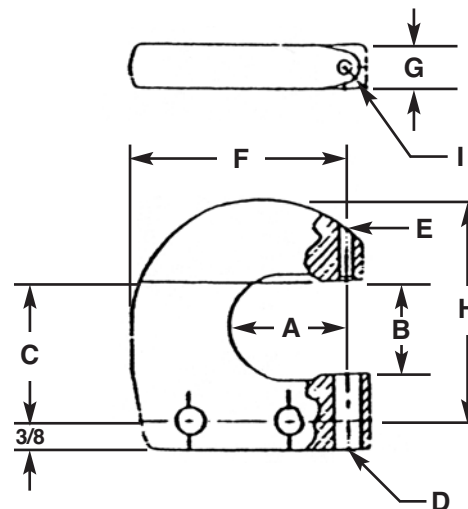
Model Number	Rivet Set Shank Diameter		Cap. Cold Rivet Diameter				Standard "C" Yoke Dimension				Closed Height		Max Travel		Max Force at 90 psi		Stroke at Max Force		Net Weight w/Yoke		Overall Length	
			Steel		Alum.		Reach		Gap													
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kN	in.	mm	lb	kg	in.	mm
<b>CR-1</b>	<b>Single Cylinder</b>																					
SZE3000	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	f-1/16	2	3-1/2	1.6	8-1/2	216
SZE3015	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	f-1/16	2	4-1/2	2.0	10-1/4	262
<b>CR-2</b>	<b>Single Cylinder</b>																					
SZE30152	1/4	6	3/32	2	1/8	3	1-1/2	38	1-1/4	32	11/16	78	9/16	14	3000	13.4	f-1/16	2	4-1/2	2.0	10-1/4	262
<b>CR-1</b>	<b>Tandem Cylinder</b>																					
SZE6000	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	f-1/16	2	4-1/2	2.0	11-1/4	287
SZE6015	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	f-1/16	2	5-1/2	2.5	14	356
<b>CR-2</b>	<b>Tandem Cylinder</b>																					
SZE60152	1/4	6	5/32	4	3/16	5	1-1/2	38	1-1/4	32	11/16	78	9/16	14	6000	26.7	f-1/16	2	5-1/2	2.5	14	356
<b>CR-1</b>	<b>Triple Cylinder</b>																					
SZE8000	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	f-1/16	2	7-1/2	3.4	16	406
SZE8015	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	f-1/16	2	8-1/2	3.9	18-3/4	476
<b>CR-2</b>	<b>Triple Cylinder</b>																					
SZE80152	1/4	6	3/16	5	1/4	6	1-1/2	38	1-1/4	32	11/16	78	9/16	14	9000	40.1	f-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	3.0	76	1/4	6
						7/16	11	1/4	6								



**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



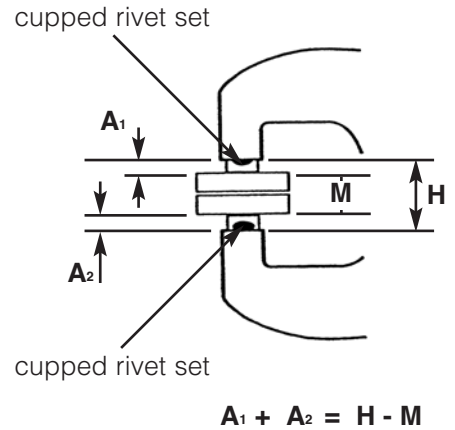
**COMPRESSION RIVETERS**

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

Determine the correct lengths as follows:

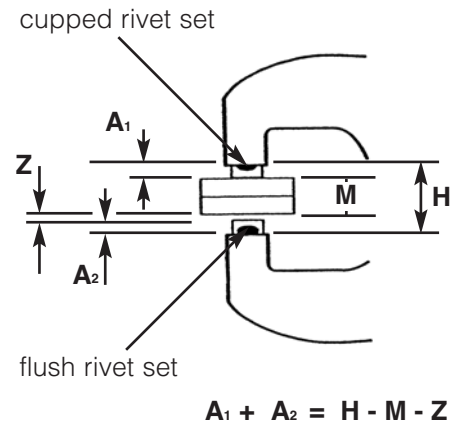
**1) When two cupped rivet sets are used:**

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.



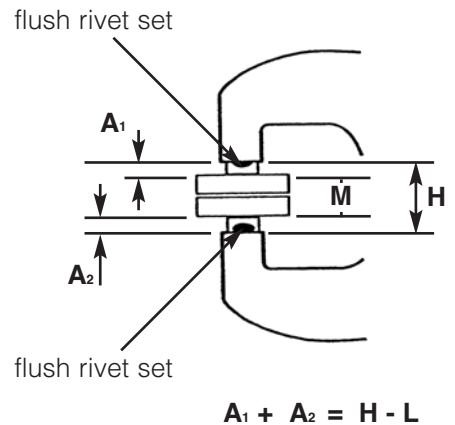
**2) When one cupped set and one flush set are used:**

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).

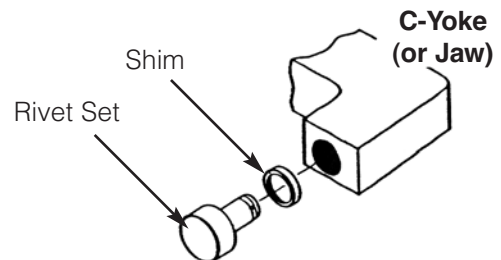


**3) When two flush sets are used:**

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.



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



**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

### Rivet Shaver Skirts



2925-8

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

### Router Base Assembly



1992

1993

1994

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

### Collets



44440



21126

Collet Type	Part Number	Capacity	For Use On
Sioux	44440	1/4"	1971HP series
Sioux	66038	6 mm	1971HP series
100 Series	21126	1/4"	1980, 1981
100 Series	21125	3/8"	1982, 1983



21095

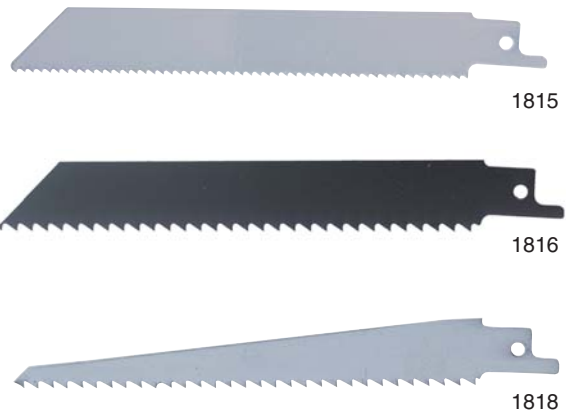


21139

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

### Reciprocating Saw Blades

Packaged in Cartons of 5



1815

1816

1818

Part Number	Length		Teeth Per Inch
	in.	mm	
<b>For Use on Model 1300</b>			
1815	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

### Laminate Base Trimmer

Part No. 1991

For use on SRT10S25LT series routers



### Template Follower

Part No. 1990

For use on 1980 series routers  
Accepts bits up to 7/16" (11 mm)



**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

### Collet Chuck Assemblies

#### Sioux Style Collets



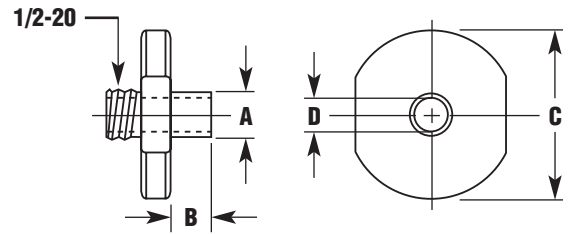
Collet Chuck Assemblies	Sioux Collet Chuck				
	1/8"	3 mm	3/16"	1/4"	6 mm
Chuck Assembly	43342	68617	43341	43340	68618
Collet Body	21096	21096	21096	21096	21096
Collet Insert	44522	66037	44523	44440	66038
Collet Nose	N/A	N/A	N/A	N/A	N/A
Collet Nut	21097	21097	21097	21097	21097

#### Signature Series Collets



Part Number	Description
74070	Collet Body
74071	Collet Nut
74072	1/8" Collet
74073	3/16" Collet
74074	1/4" Collet
68030	3/8" Collet
74075	3mm Collet
74076	6mm Collet
68056	8mm Collet

### Template Guide Chart



Part Number	Dimensions in Inches			
	A Pilot O.D.	B Pilot Length	C Flange O.D.	D Pilot I.D.
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

### Support Handle

Part No. 2355B



### Signature Series Support Handle

Part No. SPSDR-14A



**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

Hose Whip Assembly with Filter Lubricator



1641FHW

Part Number	Capacity		Hose I.D.		Thread	Max. Working Pressure		Recommended Oil Weight	Filter Rating
	Fl. Oz.	ml	in.	mm		psi	bar		Micron
1641FHW	1.4	41	1/2	13	7/8" - 24	300	20.6	10 Wt.	40
1641FHW-1/2	1.4	41	1/2	13	1/2" NPT	300	20.6	10 Wt.	40
1642FHW-1/2	3.7	110	1/2	13	1/2" NPT	260	17.9	10 Wt.	40
1642FHW-3/4	3.7	110	3/4	19	3/4" NPT	260	17.9	10 Wt.	40

\* Hose Length: 6' (1.83 m)

Hose Whip Assembly with Lubricator



1641HW

Part Number	Capacity		Hose I.D.		Thread	Max. Working Pressure		Recommended Oil Weight
	Fl. Oz.	ml	in.	mm		psi	bar	
1641HW	1.4	41	1/2	13	7/8" - 24	300	20.6	10 Wt.
1641HW-1/2	1.4	41	1/2	13	1/2" NPT	300	20.6	10 Wt.
1642HW-1/2	3.7	110	1/2	13	1/2" NPT	260	17.9	10 Wt.
1642HW-3/4	3.7	110	3/4	19	3/4" NPT	260	17.9	10 Wt.

\* Hose Length: 6' (1.83 m)

Safety Lock Cable



3010

Part Number	Cable Size		Thread Size	
	in.	mm	in.	mm
3010	1/8 x 20	3 x 510	1/2 to 1-1/4	13 to 32

\* Note: Always bleed air pressure on hose before removing safety lock cable.



**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

**Inline Lubricators**



1641

Part Number	Capacity		Pipe Size NPT	Max. Working Pressure		Rec. Oil Weight
	Fl. Oz.	ml		psi	bar	
1641	1.4	41	1/2"	500	34.5	10 Wt.
1642	3.7	110	3/4"	260	17.9	10 Wt.

**Inline Filter Lubricators**



1641F

Part Number	Capacity		Pipe Size NPT	Max. Working Pressure		Rec. Oil Weight	Filter Rating
	Fl. Oz.	ml		psi	bar		Micron
1641F	1.4	41	1/2"	500	34.5	10 Wt.	40
1642F	3.7	110	3/4"	260	17.9	10 Wt.	40

**Inline Filters**



1643-1/2

Part Number	Thread	Length		Filter Rating
	in.	in.	mm	in.
1643-1/2	1/2"	3-1/4	83	40
1643-3/4	3/4"	3-1/4	83	40

**Filter, Regulator, Lubricator Assembly**

**Part No. 1660B**

1/2" NPT fittings

Air Flow: 30 - 75 cfm



1660

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
1664	Manifold Block
1665	Connecting End Blocks
1666	Modular Sleeve ("O" Ring included)
1667	Automatic Drain - Optional
1668	Sleeve Wall Mounting Bracket

**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



**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

Quick Change Couplers



Part Number	Description	Thread
1324	Quick Change Coupler	1/4" NPT
1325	Quick Change Coupler	1/2" NPT
1340	Female Coupler Nipple	1/4" NPT
1342	Male Coupler Nipple	1/4" NPT
1343	Female Coupler Nipple	1/2" NPT
1344	Male Coupler Nipple	1/2" NPT

Hi-Capacity Quick Change Couplers



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
1391	Quick Change Coupler	1/4" NPT
1392	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
1397	Female Coupler Nipple	1/2" NPT

Crow's Foot Couplings



Part Number	Description	Thread Size
		NPT
3017	1/4" Male NPT to Crow's Foot	1/4"
3018	1/2" Male NPT to Crow's Foot	1/2"
3019	3/4" Male NPT to Crow's Foot	3/4"
3020	3/8" FM NPT to Crow's Foot	3/8"
3021	1/2" FM NPT to Crow's Foot	1/2"
3022	3/4" FM NPT to Crow's Foot	3/4"
3023	Rubber Washer for Crow's Foot	N/A

Air Hoses



Part Number	I.D.		Length		Fittings
	in.	in.	ft	m	
1359B	1/4	6	6	2.7	1/4" NPT
1376	3/8	10	6	2.7	1/4" NPT
1377	3/8	10	25	11.0	1/4" NPT
1361	1	25	4	1.8	None

Nylon Recoil Air Hose



Part Number	I.D.		Length		Fittings
	in.	in.	ft	m	
1326B	1/4	6	25	11	1/4" NPT
1327B	3/8	10	25	11	1/4" NPT

Hose Swivels



Part Number	Description
3011	3/8" - 24 Thread x 1/2" Hose Barb
3012	1/2" NPT Thread x 1/2" Hose Barb
3013	7/8" - 24 Thread x 3/8" FM NPT
3014	1/2" NPT x 3/8" FM NPT
3015	7/8" - 24 x 3/8" NPT





### Grease Gun

**Part No. 468A**

Use with impact wrenches and multi-assembly angle tools.



### 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	3 Ounces
1232A-02	1 1/2 Ounces
1232A-04	4 Ounces
1232A-1	1 Quart
1232A-2	1 Gallon

### Air Motor Oil For Air Tools

**Part No. 288**

1/2 Pint

**Part No. 288-1**

1 Quart

**Part No. 288-2**

2 Liter



### Balancers



2300-4B

Part Number	Capacity		Cable Length	
	lb	mm	ft	m
2300-4B	2 - 4	0.9 - 1.8	5.2	1.6
2300-6	4 - 6	1.8 - 2.7	6.7	2.0
2300-8B	6 - 8	2.7 - 3.6	6.7	2.0

### Silencer

**Part No. 2306**

Silencer for #2 series pistol grip tools and impact wrenches.



### Air Regulator

**Part No. 1335B**

1/4" NPT Male/Female

- Mounts inline with air inlet
- Allows fine adjustment of air flow



**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

Cutter Kit

Part No. 278



Sioux Part Number	Broach Cutter Size - Imperial
HB437	7/16"
HB500B	1/2"
HB562	9/16"
HB625	5/8"
HB750	3/4"
HB875	7/8"
HB100B	1"

Kit Includes:

HB01 - Arbor, HB02 - Pin, HB03 - Hex Key  
 Case  
 5 Cutters (1/2", 9/16", 5/8", 3/4", 7/8")

Sioux-Per Swivel

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



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



# 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.



# U.S. Independent Service Centers

## ALABAMA-Birmingham

Tool-Smith Co Inc  
1300 Fourth Ave South  
35233-2384  
205-323-2576  
800-317-8665

## Dothan

Brackin Wholesale Coatings  
725 South Oates St  
36301-2557  
334-793-4330

## Mobile

Tool-Smith Co Inc  
920 Lakeside Dr  
36693  
251-661-0404

## Winfield

McCaleb Tool Supply  
710 Hwy 43 South  
35594  
205-487-2222

## ARIZONA-Phoenix

Glenn's Tool Service  
2149 East Indian School Rd  
85016  
602-264-6203

## Phoenix

UNICOA Industrial Service  
2224 N 23rd Ave  
85009  
520-254-4666

## CALIFORNIA-Anaheim

Orange Tool Mart  
3051 La Palma Ave  
92806  
714-237-0080

## Fresno

Cal-Weld Supply Co  
2701 E Jensen  
93706  
559-445-0131

## Gardena

US Industrial Tool Supply Service  
14083 S Normandie Ave  
90249  
310-327-0465

## Montclair

Tools-R-Us  
9055 Central Ave  
91763  
909-626-9500

## FLORIDA-Daytona Beach

A A Casey of Daytona Inc  
1100 No Nova Rd  
32117  
386-253-6158

## Largo

Nestor Sales/DBA AIM Supply  
7337 Bryan Dairy Rd  
33777-1507  
727-544-6114

## Miami

Air/Electric Tool & Equipment  
7840 NW 58th St  
33166  
305-593-5040  
800-850-1598

## Orlando

Air Products & Equipment Inc  
165 Drennen Rd  
32806  
407-856-7603

## Tampa

Gator Repair  
5124 Nebraska Ave  
33603  
813-234-8831

## GEORGIA-Tucker

Tool Service Co  
Stone Mountain Industrial Park  
1810 Auger Dr Units A & B  
30084  
404-524-4249

## Snellville

Kentec Inc  
3250 Centerville Hwy  
30039  
770-985-1907

## ILLINOIS-Machesney Park

Engman-Taylor Co Inc  
7980 Burden Rd  
61115  
262-253-8650

## Mattoon

S & K Air Power  
317 Dewitt Ave E  
61938  
217-258-8500

## Sauk Village

Chicago Air Power Service  
22401 Joshua Ave  
60411  
708-758-8480  
800-422-8202

## INDIANA-Elkhart

ALCO Tool Supply  
54847 County Road 17  
46515  
574-295-5535

## Evansville

Lensing Tool & Supply  
306 No 7th Ave  
47710  
812-425-9049

## Fort Wayne

Mill Supplies Inc  
5105 Industrial Rd  
46825  
260-484-8566

## Indianapolis

Macco Equipment Service  
3129 Kentucky Ave  
46221  
317-248-1444

## Indianapolis

Alcorn Industrial Inc  
7916 Zionsville Rd  
PO Box 68675  
46268  
317-872-6772

## IOWA-Muscatine

Peerless Supply Inc.  
5901 49th St So  
52761  
888-216-9460

## Sioux City

Sioux City Iron Company  
310 So Floyd  
51101  
712-255-7696

## LOUISIANA-New Orleans

Beerman Precision Inc  
4206 Howard Ave  
70125  
504-486-9391

## MAINE-Portland

M & W Tool Service  
38 Portland St  
04101  
207-772-2057

## MASSACHUSETTS-Everett

Panda Electrical Service  
165 Main St  
02149  
617-389-1442

## MICHIGAN-Flint

Power Tools & Supply Inc  
4182 Pier North Blvd  
48504  
810-720-3310

## Grand Rapids

Neumatic Specialty Inc  
O-11319 First Ave NW  
Suite B  
49544  
616-791-9475

## Lansing

Power Tools & Supply Inc  
4300 Creyts Rd  
48917  
517-322-0803

## Walled Lake

Power Tools & Supply Service  
8551 Boulder Court  
48390  
248-363-5650

## Warren

H & P Technologies Inc  
21251 Ryan Rd  
48091  
586-758-0100

## MINNESOTA-Minneapolis

Deko Factory Service  
3048 Bloomington Ave So  
55407  
612-721-6651

## Minneapolis

Tool Warehouse Inc  
3410 East 42nd St  
55406-3333  
612-722-4260

## MISSISSIPPI-Tupelo

Air Power Inc  
610 Robert E Lee Dr  
38801  
662-844-0419  
800-824-1006

## Tupelo

Compressors & Tools Inc  
105 Old Runway Rd  
38801  
662-844-7023

## MISSOURI-Jefferson City

JC Industrial  
706 Virginia St  
65102  
573-636-4171

## Kansas City

Clark's Tool  
74 NE 69 Hwy  
64119  
816-452-7873

## Lee's Summit

Deco Tool Supply Co  
2630 NE Hagen Rd  
64064  
816-524-6939

## St Louis

Authorized Equipment  
Service Co  
1735 Delmer Blvd  
63103  
314-772-8024

## St Louis

Logan Gresham, LTD  
9 S Florissant Rd  
63135  
314-521-2400

## NEBRASKA-Omaha

JDC Tool & Repair  
6263 Abbott Dr  
68110  
402-455-8000

## Omaha

Thacker Electric  
8517 I Street  
68127  
402-592-9433  
800-678-7604

## NEW JERSEY-Hawthorne

Atlantic Tool Systems Inc  
170 Fifth Ave  
07506  
973-238-0009

## Phillipsburg

L & L Service Co  
#3 Harmony Brass Castle Rd  
08865  
908-387-0087

# U.S. Independent Service Centers

**NEW YORK-Cheektowaga**

Air Tool Repair  
160 Holtz Drive  
14225  
716-631-9010

**Syracuse**

Ace Hydraulic & Pneumatic  
6720 VIP Parkway  
13211  
315-454-8989

**NORTH CAROLINA-Belmont**

IDG  
2100 The Oaks Parkway  
28012  
704-398-5600

**Charlotte**

Air Power Inc  
1200-B Upper Asbury Ave  
28206  
704-334-5913  
800-789-9313

**High Point**

Air Power Sales & Service  
1430 Trinity Avenue  
27260  
336-886-5081  
800-334-1001

**High Point**

High Point Pneumatics  
2430 English Rd  
27262  
336-889-8416

**Kernersville**

Airand LTD  
143B Furlong Ind Dr  
27284  
336-993-6737

**Lenoir**

724 Harrisburg Rd SW  
28645  
828-758-5167  
800-447-3345

**Raleigh**

Air Power Inc  
2304 Atlantic Ave  
27604  
800-438-4868

**NORTH DAKOTA**

**West Fargo**

Air Tool Service & Supply  
127 Main Ave W  
58078  
701-282-6151

**OHIO-Apple Creek**

Air Works Service  
10680 Dover Rd  
44606  
330-698-0388

**Columbus**

Mitchell-McKinney Supply Co  
610 Greenlawn Ave  
43223  
614-444-6732

**Richfield**

Ohio Tool Systems Inc-Service  
3863 Congress Parkway  
44286  
330-659-4181

**Youngstown**

Power Tool & Supply Company  
3699 Leharps Road  
44515  
330-792-1487

**OKLAHOMA-Oklahoma City**

Compressed Gas and  
Supply Inc  
1301 West Reno  
73106  
405-235-9353

**Oklahoma City**

Hydraulic Equipment Co  
2800 W California Ave, Suite A  
73104  
405-235-3318  
800-249-3318

**Tulsa**

AOK Dist Corp  
4717 So 83rd East Ave  
74145  
918-627-8116

**Tulsa**

Tool Center Inc  
1447 No Yale  
74115  
918-838-7411

**OREGON-Portland**

Charles H Day Co  
602 So East 11th  
97214  
503-232-1659

\* **PENNSYLVANIA-Hanover**

C & E Pneumatic Service  
301 Poplar St  
17331  
717-632-5200  
800-642-7616

**SOUTH CAROLINA-Greenville**

Air Power Inc  
107 Woodruff Ind Lane  
29607  
800-922-7321

**Winnsboro**

JS King Associates  
50 Palmetto Place Lane  
29180  
704-905-2788

**TENNESSEE-Bartlett**

Pro Power, Inc  
7531 Barlett Corporate  
Cove E Suite 101  
38133  
901-383-7888

**Chattanooga**

Production Tools  
2100 So Holtzclaw Ave  
37407-5903  
423-629-6822

**Jackson**

Compressors & Tools Inc  
129 Anglin Lane  
38301  
731-421-8306

**Johnson City**

Summers Hardware &  
Supply Co  
400 Buffalo St  
37604  
423-461-4700

**La Vergne**

Hagemeyer  
3101 Centre Pointe Dr  
37086-4923  
615-287-1200

**Memphis**

Authorized Equipment Service  
812 Polk Ave  
38126-4103  
901-774-0850  
800-238-2529

**Nashville**

Tool-Smith Service Co Inc  
665 Massman Dr  
37210  
615-883-4833  
800-857-6488

**Taft**

Atlantic Air Tool Co Inc  
1112 Old Railroad Bed Rd  
38488  
931-425-6882

**TEXAS-Ft Worth**

AETCO  
3301 S Grove St  
76110  
817-921-0231

**Grand Prairie**

Innovative Tooling Services  
2506 West Marshall  
75051  
972-647-0800

**Houston**

Houston Tool & Hoist Co  
1401 Boyles St  
77020  
713-674-0912

**Houston**

Hydraulic Equipment Service  
1011 Rothwell St  
77002  
713-228-9601

**Houston**

Innovative Tooling  
& Accessories  
4392 Gessner  
77041  
972-647-0800

**Longview**

Texas Air Hydraulic  
Service & Supply  
251 S Eastmand Rd  
75602  
903-757-2811

**UTAH-Salt Lake City**

M & M Tool & Machinery  
3362 South Main Street  
SLC, UT 84115  
801-485-8200

**VIRGINIA-Portsmouth**

Hydraulic Service Co  
3215 Victory Blvd  
23702  
757-487-2513

**Richmond**

C.H. Reed Inc  
8420 Sanford Drive  
23228  
Ph: 804-553-9524  
Fx: 804-553-9525

**Roanoke**

Stultz Machine Tools  
& Equip Inc  
1546 Brownlee Ave SE  
24014  
540-981-9359  
800-542-5747

**Salem**

Air Power of Virginia Inc  
520 Apperson Dr  
24153  
800-848-1011

**WASHINGTON-Seattle**

Universal Repair Shop Inc  
1611 Bolyston Ave  
98122-0049  
206-322-2726

**Spokane**

Edge Construction Supply  
E. 1503 Riverside  
99202  
509-535-9841

**WEST VIRGINIA-Beckley**

Air Tech Tool Service Inc  
325 City Ave  
25801  
304-253-6799

**WISCONSIN-Green Bay**

Power Tool Service Co  
300 North Webster Ave  
54301  
920-437-2594

**Menomonee Falls**

Engman-Taylor Co Inc  
W142 N9351 Fountain Blvd  
53051  
800-236-1975

**Racine**

Machinery & Factory  
1021 Sixth St  
53403  
262-634-3381

\* Torque Multiplier Service Center

## Canadian Independent Service Centers

### ALBERTA-Calgary

Complete Hydraulic Air & Elec  
#9 7139 40th Street SE  
T2C 2H7  
403-720-0445

### Winnipeg

I Tech Tool Technology  
171 Cole Ave  
R2L 2C5  
204-663-9266

### Toronto

Grip Clinch Canada  
288 Garyray Drive  
M9L 1P4  
416-742-9161

### Edmonton

Quality Tool Repair  
11420-156 Street  
T5M 3N2  
780-702-1686

### ONTARIO-Burlington

Air Tool Services LTD  
920 Brant St Unit 14  
L7R 4J1  
905-639-5821

### QUEBEC-Montreal

Instrument Sales & Service  
6059 de Maisonneuve Blvd W  
H4A 3R8  
514-481-8111

### BRITISH COLUMBIA-Kelowna

KY Tools Sales  
Unit 1-1115 Gordon Dr  
V1Y 3E3  
250-862-2575

### London

Pryde Industrial Inc  
542 New Bold St  
N6E 2S5  
519-690-1111

### Montreal

Dorson LTD  
8551 Parkway Blvd  
H1J 1N1  
514-351-0160

### MANITOBA-Winnipeg

Accutool Service Center  
565 Marjorie Street  
R3H 0S8  
204-772-6523

### Thunder Bay

Thunder Bay Ind Supply LTD  
212 Villa St  
P7A 3X9  
807-345-1109

### SASKATCHEWAN-Regina

All Tool Repairs  
3100 – 12th Ave  
S4T 1J7  
306-522-7613

## Latin America Independent Service Centers

### MEXICO

RC Maquinarias S.A. de CV  
Calzada Ignacio Zaragoza  
N° 377  
Col. San Pedro  
Puebla, Pue  
Mexico  
Phone: ( 52-222 ) 222-2587

RC Maquinarias S.A. de CV  
Subsidiary  
Calle Diego Rivera N° 39  
Privada Diego Rivera  
Col. Los Alcanfores C.P. 76150  
Queretaro, Que  
Mexico  
Phone: ( 52-442 ) 217-7435

### VENEZUELA

Refiteca  
Calle E. Boleita Norte  
Edificio Alexandro  
Local A. Semisotano  
Caracas  
Venezuela  
Phone: ( 58-212 ) 235-8042

Hermaco  
Av. Intercomunal N° 428  
Ciudad Ojeda  
Estado Zulia  
Venezuela  
Phone : ( 58- 65 ) 260-994

### NICARAGUA

Sistemas de  
Seguridad Buhler S.A.  
Contiguo donde fue  
Cine Dorado  
Bolonía, Managua  
Nicaragua  
Phone: ( 505 ) 2222-6833

### ECUADOR

Najomez  
Mosquera Narvaez 746 y  
Carvajal  
Quito  
Ecuador  
Phone: ( 593- 2 ) 2526-897

### PERU

Energotec S.A.  
Calle Los Plasticos 204  
Ate- Lima 3  
Peru  
Phone : ( 51- 1 ) 348-7570

### CHILI

Tecmind Chile  
Rosario Norte 34  
Las Condes  
Santiago  
Chile  
Phone: ( 56-2 ) 211-9734

### BRAZIL

Sebra  
Snap-on-Latin  
American/Caribbean Division  
Rua Juscelino Kubitscheck de  
Oliveira 470  
Distrito Industrial II  
Santa Barbara D´ Oeste  
CEP 13456-401 SP  
Brazil  
Phone: ( 55-19 ) 3185-1800

## United Kingdom Independent Service Centers

### UK

Snap-on Tools LTD Repair Centre  
Telford Way Industrial Estate  
Kettering, Northants  
NN168 PU, Great Britain  
Phone: 011-44-1536-413903



INCH	DECIMAL	MILLIMETER	MILLIMETERS	INCHES	MILLIMETERS	INCHES	FOOT POUNDS	NEWTON METERS	FOOT POUNDS	NEWTON METERS
1/64	.0156	0.397			90	3.5433				
1/32	.0312	0.794	26	1.0236	91	3.5827	10	13.5	75	101.7
	.0394	1.000	27	1.0630	92	3.6220	11	14.9	76	103.0
3/64	.0469	1.191	28	1.1024	93	3.6614	12	16.3	77	104.4
1/16	.0625	1.587	29	1.1417	94	3.7008	13	17.6	78	105.8
5/64	.0781	1.984	30	1.1811	95	3.7402	14	18.9	79	107.1
	.0787	2.000	31	1.2205	96	3.7795	15	20.3	80	108.5
3/32	.0937	2.381	32	1.2598	97	3.8189	16	21.7	81	109.8
7/64	.1094	2.778	33	1.2992	98	3.8583	17	23.0	82	111.2
	.1181	3.000	34	1.3386	99	3.8976	18	24.4	83	112.5
1/8	.1250	3.175	35	1.3780	100	3.9370	19	25.8	84	113.9
9/64	.1406	3.572	36	1.4173	110	4.3307	20	27.1	85	115.2
5/32	.1562	3.969	37	1.4567	120	4.7244	21	28.4	86	116.6
	.1575	4.000	38	1.4961	130	5.1181	22	29.8	87	117.9
11/64	.1719	4.366	39	1.5354	140	5.5118	23	31.2	88	119.3
3/16	.1875	4.762	40	1.5748	150	5.9055	24	32.5	89	120.7
	.1968	5.000	41	1.6142	160	6.2992	25	33.9	90	122.0
13/64	.2031	5.159	42	1.6535	200	7.8740	26	35.3	91	123.4
7/32	.2187	5.556	43	1.6929	300	11.8110	27	36.6	92	124.7
15/64	.2344	5.953	44	1.7323	400	15.7480	28	38.0	93	126.0
	.2362	6.000	45	1.7717	500	19.6850	29	39.3	94	127.4
1/4	.2500	6.350	46	1.8110	600	23.6220	30	40.7	95	128.8
17/64	.2656	6.747	47	1.8504	700	27.5591	31	42.0	96	130.2
	.2756	7.000	48	1.8898	800	31.4961	32	43.4	97	131.5
9/32	.2812	7.144	49	1.9291	900	35.4331	33	44.7	98	132.9
19/64	.2969	7.541	50	1.9685	1000	39.3701	34	46.1	99	134.2
5/16	.3125	7.937	51	2.0079			35	47.5	100	135.6
	.3150	8.000	52	2.0472	<b>INCH POUNDS</b>	<b>NEWTON METERS</b>	36	48.8	110	149.0
21/64	.3281	8.334	53	2.0866			37	50.2	115	156.0
11/32	.3437	8.731	54	2.1260	5	0.565	38	51.5	120	163.0
	.3543	9.000	55	2.1654	10	1.13	39	52.9	125	170.0
23/64	.3594	9.128	56	2.2047	15	1.70	40	54.2	130	176.0
3/8	.3750	9.525	57	2.2441	20	2.26	41	55.6	135	183.0
25/64	.3906	9.922	58	2.2835	25	2.83	42	56.9	140	190.0
	.3937	10.000	59	2.3228	30	3.39	43	58.3	145	197.0
13/32	.4062	10.319	60	2.3622	35	3.96	44	59.7	150	203.0
27/64	.4219	10.716	61	2.4016	40	4.52	45	61.0	155	210.0
	.4331	11.000	62	2.4409	45	5.09	46	62.4	160	217.0
7/16	.4375	11.112	63	2.4803	50	5.65	47	63.7	165	224.0
29/64	.4531	11.509	64	2.5197	60	6.78	48	65.0	170	231.0
15/32	.4687	11.906	65	2.5591	70	7.91	49	66.4	175	237.0
	.4724	12.000	66	2.5984	80	9.04	50	67.8	180	244.0
31/64	.4844	12.303	67	2.6378	90	10.17	51	69.1	185	251.0
1/2	.5000	12.700	68	2.6772	100	11.3	52	70.5	190	258.0
	.5118	13.000	69	2.7165	110	12.4	53	71.9	195	264.0
33/64	.5156	13.097	70	2.7559	120	13.6	54	73.2	200	271.0
17/32	.5312	13.494	71	2.7953	130	14.7	55	74.6	225	305.0
35/64	.5469	13.891	72	2.8346	140	15.8	56	75.9	250	339.0
	.5512	14.000	73	2.8740	150	17.0	57	77.3	275	373.0
9/16	.5625	14.287	74	2.9134	160	18.1	58	78.6	300	407.0
37/64	.5781	14.684	75	2.9528	170	19.2	59	80.0	350	474.0
	.5906	15.000	76	2.9921	180	20.3	60	81.3	400	542.0
19/32	.5937	15.081	77	3.0315	190	21.5	61	82.7		
39/64	.6094	15.478	78	3.0709	200	22.6	62	84.0		
5/8	.6250	15.875	79	3.1102			63	85.4		
	.6299	16.000	80	3.1496	<b>FOOT POUNDS</b>	<b>NEWTON METERS</b>	64	86.8	<b>HEX SOCKET CONVERSIONS</b>	
41/64	.6406	16.272	81	3.1890			65	88.1	10mm=0.394"	
21/32	.6562	16.669	82	3.2283	1	1.356	66	89.5	11mm=0.433"	
	.6693	17.000	83	3.2677	2	2.7	67	90.8	12mm=0.472"	
43/64	.6719	17.066	84	3.3071	3	4.0	68	92.2	13mm=0.512"	
11/16	.6875	17.462	85	3.3465	4	5.4	69	93.5	14mm=0.551"	
45/64	.7031	17.859	86	3.3858	5	6.8	70	94.9	15mm=0.591"	
	.7087	18.000	87	3.4252	6	8.1	71	96.3	16mm=0.630"	
23/32	.7187	18.256	88	3.4646	7	9.5	72	97.6	17mm=0.669"	
47/64	.7344	18.653	89	3.5039	8	10.8	73	99.0	18mm=0.704"	
	.7480	19.000			9	12.2	74	100.3	19mm=0.748"	
3/4	.7500	19.050							20mm=0.787"	
49/64	.7656	19.447							21mm=0.827"	
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								

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

