

For the way you work



SIoux
TOOLS INC.
PRODUCT CATALOG



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DRILLS

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DRILLS

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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 TOOLS, 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

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

Photos

Visual reference of selective models

DRILLS

PISTOL GRIP DRILLS

Performance:
 Power: 0.33 hp (0.25 kw) - 1.0 hp (0.70 kw)
 Speed Range: 900 rpm - 20,000 rpm
 Chuck Capacity: 1/4" (6.5 mm) - 1/2" (13 mm)

Features:
 Non-Heater/No
 Trigger Start
 Rotatable Forward (1407, 1410, 1412 models)
 Repeat Reverse
 Comfort Grip

Model Number	Chuck Capacity in. / mm	Free Speed rpm	Weight lb / kg	Length in. / mm	Sub To Depth in. / mm	Air Consumption cfm / l/s	Sound Level dB(A)	Spindle Thread
0.33 hp (0.25 kw) - Non-reversible								
1410	1/4	9000	1.3 / 0.6	6.3 / 160	3.6 / 91	11	8	7/8-24
1410S	1/4	9000	1.3 / 0.6	6.3 / 160	3.6 / 91	11	8	7/8-24
1410R	3/8	10000	1.3 / 0.6	6.7 / 170	3.6 / 91	12	8	7/8-24
1410T	1/2	9000	1.3 / 0.6	6.7 / 170	3.6 / 91	12	8	7/8-24
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1458S45	3/8	10	8000	2.6 / 1.2	7.0 / 178	9.8 / 25	30 / 14	7/8-24
1458S46	3/8	10	8000	2.6 / 1.2	7.0 / 178	9.8 / 25	30 / 14	7/8-24
1458S47	3/8	10	8000	2.6 / 1.2	7.0 / 178	9.8 / 25	30 / 14	7/8-24
1458S48	3/8	10	8000	2.6 / 1.2	7.0 / 178	9.8 / 25	30 / 14	7/8-24
1458S49	3/8	10	8000	2.6 / 1.2	7.0 / 178	9.8 / 25	30 / 14	7/8-24
1458S50	3/8	10	8000	2.6 / 1.2	7.0 / 178	9.8 / 25	30 / 14	7/8-24
1.0 hp (0.70 kw) - Non-reversible								
SP1500	3/8	10	2000	4.5 / 2.0	3-1/2 / 89	1-1/2 / 38	35 / 15	8/16-20
SP1500S	3/8	10	2100	4.5 / 2.0	3-1/2 / 89	1-1/2 / 38	35 / 15	8/16-20
SP1400	1/2	10	1400	5.0 / 2.3	4-1/2 / 113	2/4	1-1/2 / 38	15 / 80
SP1400S	1/2	10	1500	4.5 / 2.0	3-1/2 / 89	1-1/2 / 38	35 / 15	8/16-20
SP1400L	1/2	10	1000	5.0 / 2.3	4-1/2 / 113	2/4	1-1/2 / 38	15 / 80
SP1200	1/2	12	800	5.0 / 2.3	4-1/2 / 113	2/4	1-1/2 / 38	15 / 80
SP1100	1/2	12	300	5.0 / 2.3	4-1/2 / 113	2/4	1-1/2 / 38	15 / 80

General Info:
 Max Tool Size: 1/2" HP
 Recommended Max Size: 1/2" (6 mm) (1420 series), 3/8" (10 mm) (1400 series)
 Performance rated @ 90 only (0.7 bar) air pressure
 Tools available with SPTT on 4th option request

Standard Equipment:
 Parts list, Safety and instruction manual
 Nylon Chuck & Key
 Comfort Grip

Accessories:
 Drill Accessories, see pages 24-25

Safety Info:
 SAFETY Precautions: Read and follow all safety and operating instructions.
WARNING! Face & eye protection must be worn while operating power tools, per ANSI B16.1

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



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 ² (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 ² (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 ³ /min	=	16.6667 l/s
1 cfm	=	0.4720 l/s
1 m ³ /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.



**SIoux
TOOLS INC.**

For the way you work



DRILLS



DRILLS

Index

Drills	14-23
Drill Accessories	24-27



We take on any job... bit by bit

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. Innovative designs, with attention to ergonomics has resulted in the Sioux 1400 series drills. At 1/3 hp these are the lightest on the market today, and our exclusive Z-handle models go where no other drills can manage.

Designed to work

Sioux Tools offers one of the widest selections of drills on the market today. With free speeds from 500 to 18,000 rpm we have the right drill for any application, for use with any type material. The

gears are designed and built tough to handle demanding jobs, yet even under load, operate quietly and efficiently. Sioux drills come in both reverse and non-reverse models and are available in pistol grip, straight,



Z angle and D and T handles, and offer a variety of chuck and collet sizes.

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

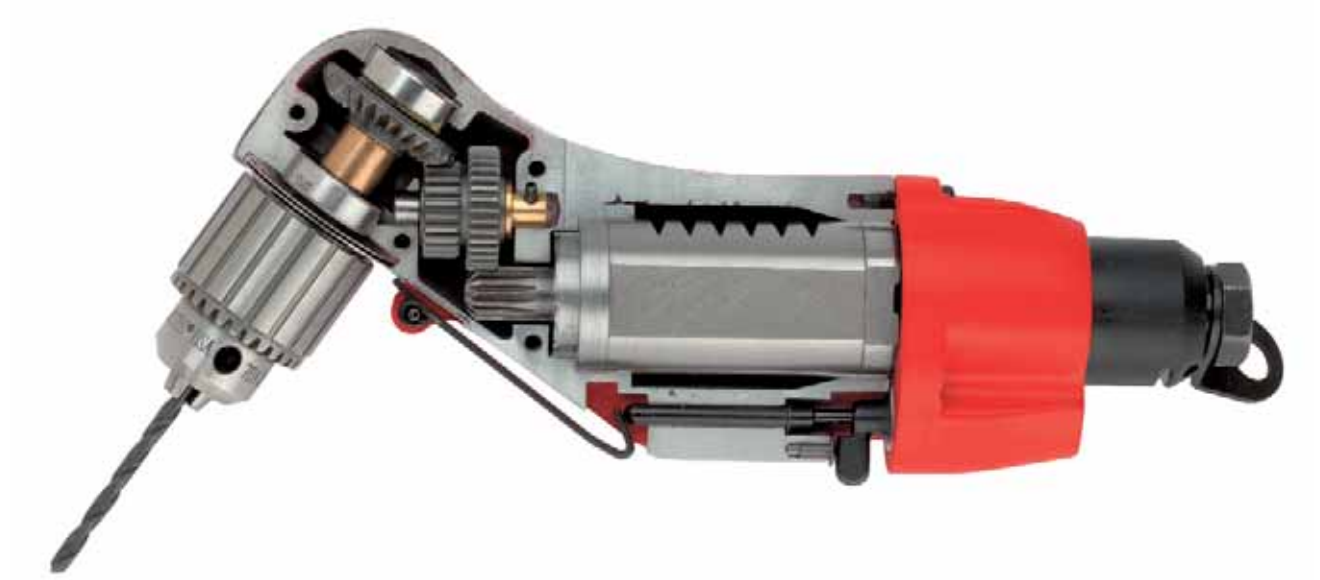
The 2L1380 has a unique 180° rotating head for applications in hard to reach places or difficult angles.

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. Their exceptional ergonomic design make them a well-know Sioux product. They can handle close-quarter 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

Drilling creates chips and 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.

PISTOL GRIP DRILLS

Performance:

Power: 0.33 hp (0.25 kw) - 1.0 hp (0.75 kw)
 Speed Range: 360 rpm - 20,000 rpm
 Chuck Capacity: 1/4" (6.5 mm) - 1/2" (13 mm)

Features:

Non-reversible
 Trigger Start
 Rotatable Exhaust (1407, 1410, 1412 models)
 Rapid Reverse
 Comfort Grip



Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
0.33 hp (0.25 kw) - Non-reversible													
DR1412	1/4	6	3600	1.3	0.6	6.3	160	0.6	15	12	6	75	3/8"-24
1410	1/4	6	2600	1.3	0.6	6.3	160	0.6	15	12	6	75	3/8"-24
DR1407	1/4	6	950	1.3	0.6	6.7	170	0.6	15	12	6	75	3/8"-24
DR1414	1/4	6	4300	1.3	0.6	6.3	160	0.6	15	12	6	75	3/8"-24
DR1416	1/4	6	6000	1.3	0.6	6.3	160	0.6	15	12	6	75	3/8"-24
0.90 hp (0.67 kw) - Non-reversible													
1457ES	1/4	6	20,000	2.1	1.0	6.0	152	0.9	23	28	13	78	3/8"-24
1456ES	1/4	6	6000	2.5	1.1	7.0	178	0.8	20	30	14	78	3/8"-24
1453ES	1/4	6	4500	2.5	1.1	7.0	178	0.8	20	30	14	78	3/8"-24
1452ES	1/4	6	3300	2.5	1.1	7.0	178	0.8	20	30	14	78	3/8"-24
1450ES	1/4	6	2600	2.5	1.1	7.0	178	0.8	20	30	14	78	3/8"-24
1456ES3/8	3/8	10	6000	2.6	1.2	7.0	178	0.8	20	30	14	78	3/8"-24
1453ES3/8	3/8	10	4500	2.6	1.2	7.0	178	0.8	20	30	14	78	3/8"-24
1452ES3/8	3/8	10	3300	2.6	1.2	7.0	178	0.8	20	30	14	78	3/8"-24
1454ES	3/8	10	2600	2.6	1.2	7.0	178	0.8	20	30	14	78	3/8"-24
1451ES	3/8	10	1600	3.1	1.4	8.2	208	0.9	23	30	14	78	3/8"-24
1455ES	3/8	10	1000	3.1	1.4	8.2	208	0.9	23	30	14	78	1/2"-20
1449ES	3/8	10	500	3.1	1.4	8.2	208	0.9	23	30	14	78	1/2"-20
1450ESB	1/2	13	2600	2.8	1.3	7.0	178	0.8	20	30	14	78	3/8"-24
1455ESB ¹	1/2	13	1000	3.3	1.5	8.7	221	0.9	23	30	14	78	1/2"-20
1449ESB ¹	1/2	13	500	3.3	1.5	8.7	221	0.9	23	30	14	78	1/2"-20
1.0 hp (0.75 kw) - Non-reversible													
3P1530	3/8	10	2150	4.3	2.0	7-1/2	190	1-1/32	26	33	15	80	1/2"-20
3P1430	3/8	10	1400	5.0	2.3	8-13/16	224	1-1/32	26	33	15	80	1/2"-20
3P1640	1/2	13	2650	4.3	2.0	7-1/2	190	1-1/32	26	33	15	80	1/2"-20
3P1340	1/2	13	1000	5.0	2.3	8-13/16	224	1-1/32	26	33	15	80	1/2"-20
3P1240	1/2	13	650	5.0	2.3	8-13/16	224	1-1/32	26	33	15	80	1/2"-20
3P1140	1/2	13	360	5.0	2.3	8-13/16	224	1-1/32	26	33	15	80	1/2"-20

General:

Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 1/4" (6 mm) (1400 series); 3/8" (10 mm) (1450 series)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 3-jaw Chuck & Key
 Comfort Grip

Accessories:

Drill Accessories, see pages 24-27

¹Support handle included



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) - 0.80 hp (0.60 kw)

Speed Range: 300 rpm - 4000 rpm

Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

Features:

Reversible

Trigger Start

Rapid Reverse

Comfort Grip



1410R



1455ESBR



Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
0.20 hp (0.15 kw) - Reversible													
1412R	1/4	6	2600	1.3	0.6	6.3	160	0.6	15	10	5	75	3/8"-24
1410R	1/4	6	2000	1.3	0.6	6.3	160	0.6	15	10	5	75	3/8"-24
0.50 hp (0.37 kw) - Reversible													
1451ESBR	1/2	13	1200	3.5	1.6	9.2	234	0.9	23	25	12	78	3/8"-24
0.60 hp (0.45 kw) - Reversible													
1456ESR	1/4	6	4000	2.6	1.2	7.5	191	0.8	20	25	12	78	3/8"-24
1452ESR	1/4	6	2400	2.6	1.2	7.5	191	0.8	20	25	12	78	3/8"-24
1450ESR	1/4	6	2000	2.6	1.2	7.5	191	0.8	20	25	12	78	3/8"-24
1452ESR3/8	3/8	10	2400	2.9	1.3	7.5	191	0.8	20	25	12	78	3/8"-24
1454ESR	3/8	10	2000	2.9	1.3	7.5	191	0.8	20	25	12	78	3/8"-24
1451ESR	3/8	10	1200	3.2	1.5	8.7	221	0.9	23	25	12	78	3/8"-24
1455ESR	3/8	10	700	3.2	1.5	8.7	221	0.9	23	25	12	78	1/2"-20
1449ESR	3/8	10	450	3.2	1.5	8.7	221	0.9	23	25	12	78	1/2"-20
1455ESBR ¹	1/2	13	700	3.5	1.6	9.2	234	0.9	23	25	12	78	1/2"-20
1449ESBR ¹	1/2	13	450	3.5	1.6	9.2	234	0.9	23	25	12	78	1/2"-20
0.80 hp (0.60 kw) - Reversible													
3P2340	1/2	13	850	5.0	2.3	8-13/16	224	1-1/32	26	33	15	81	1/2"-20
3P2240	1/2	13	550	5.0	2.3	8-13/16	224	1-1/32	26	33	15	81	1/2"-20
3P2140	1/2	13	300	5.0	2.3	8-13/16	224	1-1/32	26	33	15	81	1/2"-20

General:

Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 1/4" (6 mm) (1400 series); 3/8" (10 mm) (1450 series)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 3-jaw Chuck & Key
 Comfort Grip

Accessories:

Drill Accessories, see pages 24-27

¹Support handle included



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

STRAIGHT DRILLS

Performance:

Power: 0.33 hp (0.25 kw) - 0.75 hp (0.56 kw)

Speed: 400 rpm - 18,000 rpm

Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

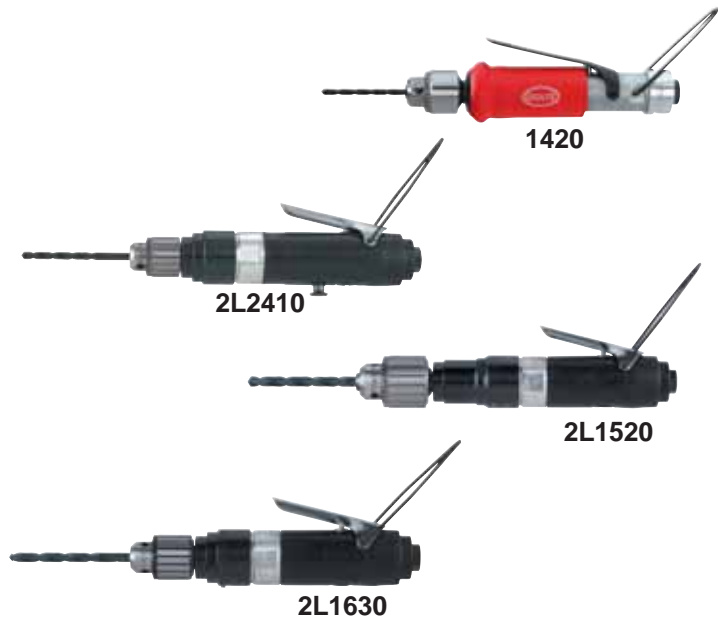
Features:

Reversible and Non-reversible

Lever Start

Rear Exhaust

Comfort Grip (1420, 1422)



Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
0.33 hp (0.25 kw) - Non-reversible													
DR1422	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
0.75 hp (0.56 kw) - Non-reversible													
2L1910	1/4	6	18,000	2.3	1.0	8.9	226	1.0	25	28	13	85	3/8"-24
2L1410	1/4	6	5800	2.3	1.0	8.9	226	1.0	25	28	13	85	3/8"-24
2L1310	1/4	6	3350	2.3	1.0	8.9	226	1.0	25	28	13	85	3/8"-24
2L1610	1/4	6	2600	2.3	1.0	8.9	226	1.0	25	28	13	85	3/8"-24
2L1110	1/4	6	900	2.7	1.2	10.0	254	1.0	25	28	13	85	3/8"-24
2L1430	3/8	10	5800	2.4	1.1	8.9	226	1.0	25	28	13	85	3/8"-24
2L1330	3/8	10	3350	2.4	1.1	8.9	226	1.0	25	28	13	85	3/8"-24
2L1630	3/8	10	2600	2.4	1.1	8.9	226	1.0	25	28	13	85	3/8"-24
2L1230	3/8	10	1600	2.8	1.3	10.0	254	1.0	25	28	13	85	3/8"-24
2L1130	3/8	10	900	2.8	1.3	10.0	254	1.0	25	28	13	85	3/8"-24
2L1520 ¹	1/2	13	540	2.8	1.3	10.0	254	1.0	25	28	13	85	3/8"-24
0.50 hp (0.37 kw) - Reversible													
2L2910	1/4	6	16,000	2.5	1.1	9.6	243	1.0	25	24	11	84	3/8"-24
2L2410	1/4	6	4400	2.6	1.2	9.3	236	1.0	25	24	11	84	3/8"-24
2L2230	3/8	10	1600	3.1	1.4	11.0	279	1.0	25	24	11	84	3/8"-24
2L2520	1/2	13	400	2.8	1.3	10.0	254	1.0	25	24	11	84	3/8"-24

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 1/4" (6 mm) (1400 series); 3/8" (10 mm) (2L series)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Suspension Bail

3-jaw Chuck & Key

Comfort Grip

Accessories:

Drill Accessories, see pages 24-27

¹Support handle included

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

Performance:

Power: 0.50 hp (0.37 kw) - 1.0 hp (0.75 kw)
 Speed: 300 rpm - 3350 rpm
 Chuck Capacity: 1/4" (6 mm) - 1/2" (13 mm)

Features:

Reversible & Non-reversible
 Lever Start
 Rear or Side Exhaust



2A1310



2A2230



3A1240



3A2340



Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
0.50 hp (0.37 kw) - Reversible - Rear Exhaust													
2A2310	1/4	6	2500	3.7	1.7	11.5	292	0.7	18	24	11	84	3/8"-24
0.75 hp (0.56 kw) - Non-reversible - Rear Exhaust													
2A1310	1/4	6	3350	3.6	1.6	10.6	269	0.7	18	28	13	85	3/8"-24
2A1210	1/4	6	1600	4.2	1.9	13	330	0.7	18	28	13	85	3/8"-24
2A1630	3/8	10	2600	3.7	1.7	10.6	269	0.7	18	28	13	85	3/8"-24
2A1120 ²	1/2	13	900	4.0	1.8	12.0	305	0.7	18	28	13	85	3/8"-24
2A1520 ²	1/2	13	540	4.0	1.8	12.0	305	0.7	18	28	13	85	3/8"-24
0.80 hp (0.60 kw) - Reversible - Side Exhaust¹													
3A2430 ¹	3/8	10	1000	6.3	2.9	15.4	391	0.7	18	33	16	81	1/2"-20
3A2340 ¹	1/2	13	700	6.9	3.1	15.5	394	0.7	19	33	16	81	1/2"-20
3A2240 ¹	1/2	13	480	6.9	3.1	15.5	394	0.7	19	33	16	81	1/2"-20
3A2140 ¹	1/2	13	300	6.9	3.1	15.5	394	0.7	19	33	16	81	1/2"-20
1.0 hp (0.75 kw) - Non-reversible - Side Exhaust¹													
3A1240 ¹	1/2	13	600	6.5	2.9	15.1	384	0.7	19	33	16	80	1/2"-20
3A1140 ¹	1/2	13	360	6.5	2.9	15.1	384	0.7	19	33	16	80	1/2"-20

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request</p>	<p>Standard Equipment: Parts list, Safety and Instruction manual 3-jaw Chuck & Key</p> <p>Accessories: Drill Accessories, see pages 24-27</p>
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¹ Not CE Certified
² Tools intended for low speed applications only, high maintenance should be expected if used in the upper torque range.

DRILLS
 ASSEMBLY
 ABRASIVE
 FINISHING
 PERCUSSIVE
 SPECIALTY
 ACCESSORIES



AIRCRAFT ANGLE DRILLS

Performance:

Power: 0.33 hp (0.25 kw) - 0.75 hp (0.56 kw)

Speed: 800 rpm - 5800 rpm

Features:

Non-reversible

Lever Start

Rear Exhaust

45° or 90° Miniature Angle Heads (except 2L1380)

180° Adjustable Rotating Head (2L1380)



Model Number	Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
45° Angle Head - 0.33 hp (0.25 kw) - 1/4"-28 Internal Thread Spindle										
1AM1141	800	1.8	.8	12	305	0.3	8	12	6	75
1AM1141SRK	800	1.8	.8	11.5	292	0.3	8	12	6	75
1AM1541	2800	1.5	0.7	10.2	259	0.3	8	12	6	75
45° Angle Head - 0.33 hp (0.25 kw) - 9/32"-40 Internal Thread Spindle										
1AM1542	2800	1.5	0.7	10.2	259	0.3	8	12	6	75
45° Angle Head - 0.40 hp (0.30 kw) - 1/4"-28 Internal Thread Spindle										
A1310-45	2500	2.3	1.1	10.6	269	0.3	8	18	8	85
45° Angle Head - 0.75 hp (0.56 kw) - 1/4"-28 Internal Thread Spindle										
2A1410-45	5800	2.7	1.3	12.0	305	0.3	8	28	13	85
90° Angle Head - 0.33 hp (0.25 kw) - 1/4"-28 Internal Thread Spindle										
1AM1151	800	1.8	.8	11.5	292	0.3	8	12	6	75
1AM1151SRK	800	1.8	.8	11.5	292	0.3	8	12	6	75
1AM1551	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1451	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
90° Angle Head - 0.33 hp (0.25 kw) - 9/32"-40 Internal Thread Spindle										
1AM1552 ¹	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1452 ¹	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
90° Angle Head - 0.40 hp (0.30 kw) - 1/4"-28 Internal Thread Spindle										
A1310-AH	2500	2.3	1.1	10.0	254	0.3	8	18	8	85
90° Angle Head - 0.75 hp (0.56 kw) - 1/4"-28 Internal Thread Spindle										
2A1410-AH	5800	2.7	1.3	11.4	290	0.3	8	28	13	85
2A1310-AH	3350	2.7	1.3	11.4	290	0.3	8	28	13	85
2A1610-AH	2600	2.7	1.3	11.4	290	0.3	8	28	13	85
Sealant Removal Tool Kit										
1AM1141/51K	800	1.8	.8	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	.8	11.5	292	0.3	8	12	6	75
Includes 1AM1141 (45° Angle Drill)										
1AM1151SRK	800	1.8	.8	11.5	292	0.3	8	12	6	75
Includes 1AM1151 (90° Angle Drill)										
180° Rotating Head - 0.75 hp (0.56 kw) - Chuck Capacity: (0.7 mm) thru 1/4" (0.6 mm)										
2L1380	3350	2.3	1.1	13.7	348	0.6	15	28	13	85

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 1/4" (6 mm) (A1310, 1AM series); 3/8" (10 mm) (2A, 2L, 1AM Kit series) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request</p>	<p>Standard Equipment: Parts list, Safety and Instruction manual Comfort Grip (1AM Series) Cutter Kit Standard Equipment: SR40 Tube of 5 #3 SR Cutters SR83 Tube of 5 #8 SR Cutters Carrying Case Accessories: Drill Accessories, see pages 24-27</p>
--	--

¹Accepts collet with bit



MINIATURE ANGLE DRILLS

Performance:

Power: 0.33 hp (0.25 kw)

Speed: 2200 rpm - 4300 rpm

Features:

Non-reversible

Lever Start

Rear Exhaust

90° Miniature Angle Heads



1AM1111



Model Number	Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level
	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
90° Angle Head - 0.33 hp (0.25 kw) - 1/4"-28 Internal Thread Spindle										
1AM1711	4300	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1611	3400	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1511	2800	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1411	2200	1.5	0.7	9.7	246	0.3	8	12	6	75
1AM1111	800	1.8	0.8	11.5	292	0.3	8	12	6	75

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 1/4" (6 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip

Accessories:

Drill Accessories, see pages 24-27



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



"D" HANDLE DRILLS

Performance:

Power: 1.0 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
 Swivel Air Inlet



1465

Model Number	Chuck Capacity		Free Speed	Weight		Length		Side To Center		Air Consumption		Sound Level	Spindle Thread
	in.	mm	rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)	
"D" Handle - 1.0 hp (0.75 kw) - Non-reversible													
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

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request Standard Equipment: 3-jaw Chuck & Key Parts list, Safety and Instruction manual Swivel Air Inlet</p>	<p>Accessories: Drill Accessories, see pages 24-27</p>
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"T" HANDLE DRILLS

Performance:

Power: 1.0 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



3T1630

Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
"T" Handle - 1.0 hp (0.75 kw) - Non-reversible													
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
 Tools available with BSPT air inlet upon request

Standard Equipment:

3-jaw Chuck & Key
 Parts list, Safety and Instruction manual
 Comfort Grip

Accessories:

Drill Accessories, see pages 24-27



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 DRILLS

Performance:

Power: 0.33 hp (0.25 kw) - 0.50 hp (0.37 kw)

Speed Range: 1000 rpm - 5000 rpm

Chuck Capacity: 1/4" (6 mm) - 3/8" (10 mm)

Features:

Reversible & Non-reversible

Lever Start

360° Rotatable Exhaust

Suspension Bail



Model Number	Chuck Capacity		Free Speed rpm	Weight		Length		Side To Center		Air Consumption		Sound Level dB(A)	Spindle Thread
	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s		
Non-reversible - 0.50 hp (0.37 kw)													
2S1310	1/4	6	2200	2.6	1.2	3.5	89	1.0	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
2S1230	3/8	10	1600	2.6	1.2	3.5	89	1.0	25	18	8	75	3/8"-24
Reversible - 0.33 hp (0.25 kw)													
2S2410	1/4	6	3200	2.6	1.2	3.5	89	1.0	25	16	8	75	3/8"-24
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

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request</p> <p>Standard Equipment: Parts list, Safety and Instruction manual 3-jaw Chuck & Key Suspension Bail</p>	<p>Accessories: Drill Accessories, see pages 24-27</p>
--	--



SAFETY Precaution: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools



CORDED DRILLS AND DRILL/DRIVER

Performance:

Voltage: 120 volts

Speed Range: 0 - 2500 rpm

Chuck Capacity: 3/8" (10 mm) - 1/2" (13 mm)

Features:

Reversible

Lever Start

Trigger Start (8800ES)

Variable Speed

Double Insulated



8800ES



8000ES



8030ES

Model Number	Chuck Capacity		Maximum Free Speed rpm	Weight		Side To Center		Length	
	in.	mm		lb	kg	in.	mm	in.	mm
Drill - 0.4 hp (0.3 kw)									
8005ES	3/8	10	2500	3.1	1.4	1.0	25	10	254
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
Drill/Driver - 0.4 hp (0.3 kw) Keyless Chuck									
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 & Key (8005ES, 8000ES, 8050ES, 8800ES)

Keyless Chuck (8030ES)

8 ft Power Cord

Accessories:

Drill Accessories, see pages 24-27



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

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
1/16" - 3/8"	1/2" - 20	21131	30002	
1/16" - 3/8"	3/8" - 24	21133	30002	14273
1/16" - 3/8" ¹	3/8" - 24	65562		
5/64" - 1/2"	3/8" - 24	21132	30429	
5/64" - 1/2"	1/2" - 20	21137	30011	14273

¹Keyless Chuck
Keyed chucks include key

Wire Brushes



Part Number	Type	Size	Wire Size	Maximum RPM
224	Hollow Center	1 X 1"	.008	22,000
225	Flared End	1 1/2"	.020	22,000
226	Solid Wire Filled	1 X 1"	.020	22,000
227	Solid Wire Filled	3/4 X 1"	.020	22,000
228	Solid Wire Filled	1/2 X 1"	.020	25,000
231	Knot Type	1 X 1 1/8"	.014	22,000
232	Knot Type	1 X 1 1/8"	.020	22,000

Shank size: 1/4" Sold in packages of 5

Drill Midget Chucks



Part Number	Collet Size		Spindle Thread
	in.	mm	
2418	1/16	1.6	1/4 - 28
2419	1/8	3.2	1/4 - 28
2420	3/16	4.8	1/4 - 28

Drill Arbors

Mounts in Drill Chuck to provide threaded output spindle



Part Number	Thread Size	Shank Size	Body Size
49	3/8" - 16	1/4"	1/2"
49A	5/8" - 11	1/4"	5/8"

Remote Exhaust Kit



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

Quick Change Chuck

Part No. 2352

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



Support Handle

Part No. 2355B

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



Comfort Grips

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



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



Pilot Drills



Part Number	Size	
355B	1/4" (6 mm)	351D
355C	1/4" (6 mm)	351D, 352B, 353A, 356B

Arbor Adapter

Part No. 438

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



Part Number	Saws Sizes	For Use With Arbor
438	1-1/4" thru 1-1/2"	351D



Arbors



Part Number	Minimum Drill Size	Thread Size	For Use With Hole Saw Sizes
351D	1/4" (6 mm)	1/2" - 20	5/8" (16 mm) - 1-1/4" (31 mm)
353A	1/2" (13 mm)	5/8" - 18	> 1-1/4" (31 mm)
356B	1/2" (13 mm)	5/8" - 18	1-1/4" (31 mm) - 3" (75 mm)

13-Piece Hole Saw Kit

Part No. 277



Part Number	Description
351D	Arbor
356B	Arbor
355C	Pilot Drill
438	Adapter

Includes:

- 3/4" Hole Saw
- 7/8" Hole Saw
- 1-1/8" Hole Saw
- 1-3/8" Hole Saw
- 1-1/2" Hole Saw
- 1-3/4" Hole Saw
- 2" Hole Saw
- 2-1/4" Hole Saw
- 2-1/2" Hole Saw

Kit is packed in a high impact molded case

DRILLS

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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

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Vacforce

Part No. 1557



**Drill Sold Separately*

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

Standard Accessories:
 Adaptor Shims
 5mm Hex key stored in vacuum base

Pipe-Vac Adaptor

Part No. 1557P



**Drill Sold Separately*

Air Feed Lubricator

Part No. 1557L



**Drill Sold Separately*

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")

Cutter Kit

Part No. 279



Sioux Part Number	Broach Cutter Size - Metric
HB12M	12 mm
HB13M	13 mm
HB14M	14 mm
HB16M	16 mm
HB18M	18 mm
HB20M	20 mm
HB24M	24 mm

Kit includes:

HB01 - Arbor, HB02 - Pin, HB03 - Hex Key
Case
5 Cutters (12, 14, 16, 18 & 20 mm)

1410 Series Chuck Shroud

Part No. 68808

For use on 1410, 1412

Part No. 68809

For use on 1407, 1410R, 1412R



SR Cutters



SR83



SR40

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



DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

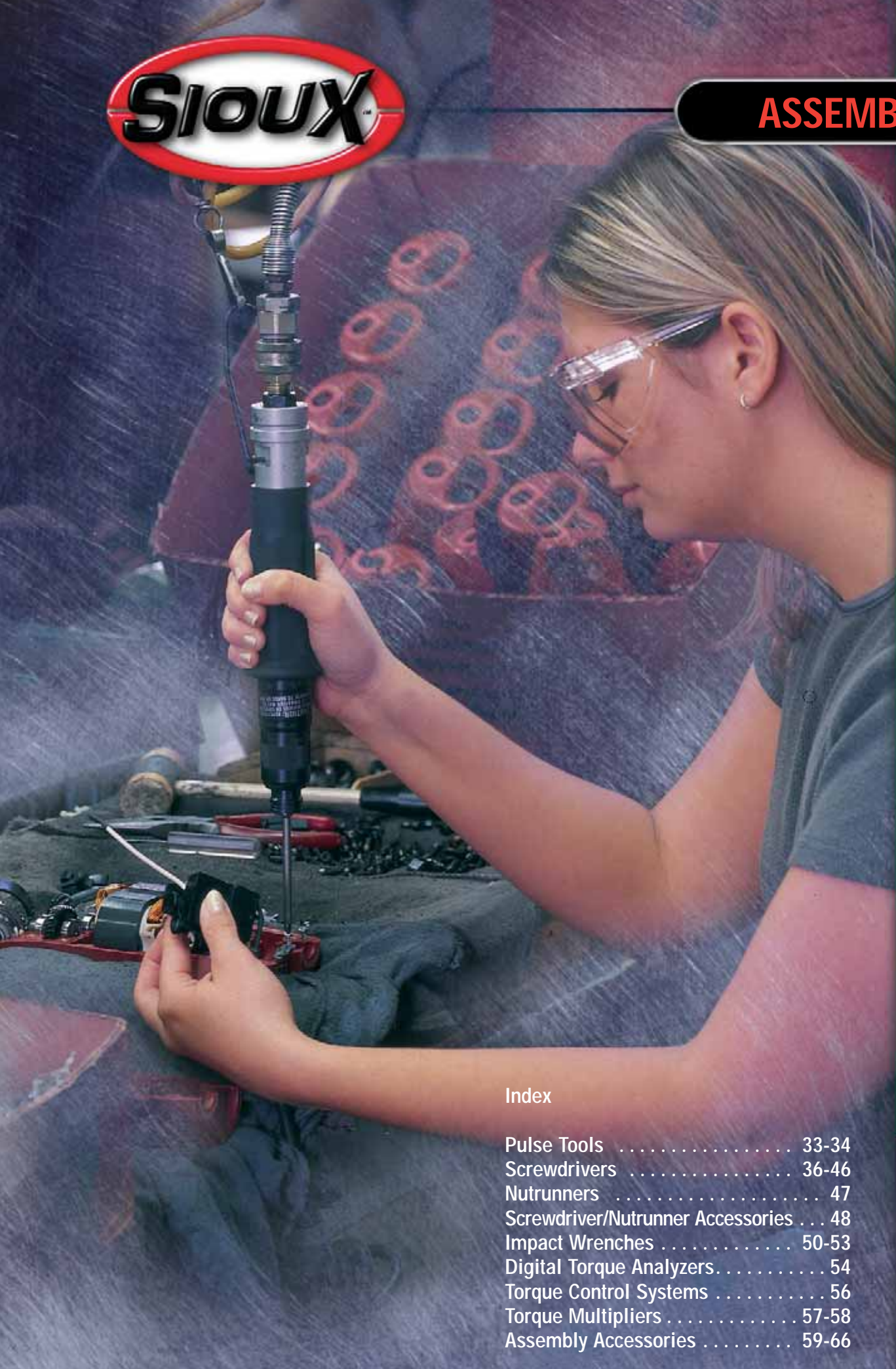
SPECIALTY

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ASSEMBLY

ASSEMBLY



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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. We also are the only manufacturer to offer 3 different positive clutch options. Because of the varying demands of applications, and the different size, strength and ability of operators, we have developed Low, Mid and High torque positive clutch options on our SD9A and 2P series screwdrivers, ensuring that we offer the right tool for your specific application.

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.





PULSE TOOLS

Suitable for both general assembly and industrial production. With the same advantages as impact wrenches, but with greater accuracy. In addition, pulse tools offer improved ergonomics, which means lower sound levels and less vibration. Pulse tools typically have a longer service life than impact tools.

SCREWDRIVERS

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

With your choice of 4 different handle configurations and 6 optional clutches, plus many additional features, Sioux Tools is able to provide a perfect match for any job requirement.

NUTRUNNERS

Sioux offers nutrunners that are designed for high volume industrial production. You can choose from free speeds of up to 2,200 rpm, and a torque range of up to 600 ft lb (68 Nm). These are outstanding tools for fast accurate assembly.

Assembly Safety

Broken Sockets, Bits and Adaptors 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.

The Pulse of the Assembly Industry

Sioux Tools knows the pulse of industry, that's why we've developed the best Pulse Tools in the world! Not only are they powerful, but we've designed in many innovative ergonomic features. The reliability of Sioux Pulse Tools make them the best choice for a wide range of assembly applications. Our strong, fast motors can actually shorten production time. In addition, a controlled run-down speed reduces the initial torque spike and provides greater torque accuracy and consistent tightening.

All models feature a 9-blade dual-chamber motor that provides controllable power for virtually any application, and produces high output torque and faster rundown speeds. Its oil-free operation means you never have to lubricate the motor, and a thumb-operated reverse lever changes direction quickly and easily.

The efficient 2-blade pulse unit provides consistent pulses for excellent repeatability from joint to joint. These twin blades generate higher torque with lighter weight for a better power-to-weight ratio.

The ergonomic design reduces vibration and increases operator control, plus the molded comfort grip insulates the hand from cold generated by exhaust air. Our specially designed cooling system helps to prolong the life of the tool while the 360° rotatable silencer keeps the noise level extremely low.

Sioux Pulse Tools come in pistol grip, straight and right angle models. We also offer non-shutoff and mechanical shut-off units.

Torque Adjustments

The torque can be easily adjusted without having to disassemble the tool. Simply remove a set screw on

the front housing, rotate the anvil to expose the adjustment screw, and use a Hex wrench to increase or decrease the torque.

Mechanical Shutoff

A properly adjusted shutoff provides outstanding repeatability that makes it virtually impossible to over-torque. This means fewer stripped and broken fasteners, resulting in increased productivity and less rework. The hydraulic pulse unit absorbs nearly all the torque reaction normally felt by an operator. The built-in torque adjustor adapts to each application for required torque and fastening time, reducing mean shift between hard and soft joints.

NON-SHUTOFF PULSE TOOLS

Performance:

Torque: 2 ft lb (2 Nm) - 369 ft lb (500 Nm)

Speed: 3000 rpm - 6800 rpm

Bolt Size: 5/16" - 3/4" (M8 - M20)

Features:

Reversible

Pistol Grip, Inline and Right Angle

Rotatable Exhaust (Pistol Grip Models)

Molded Comfort Grip (Pistol Grip Models)

Fuji Branded Pulse Tools are for sale in the U.S.A and Canada only



FUJI Model Number	SIOUX Model Number	Rec. Bolt Size ¹		Torque Range		Drive Size ²		Free Speed rpm	Side To Center		Length		Weight		Air Consum.		Hose Size		
		in.	mm	ft lb	Nm	in.	mm		in.	mm	in.	mm	lb	kg	cfm	l/s	in.	mm	
Pistol Grip																			
FPW-110D-1		5/16	M6	5-10	7-14	1/4	6	4500	0.7	18	5.6	143	1.8	0.8	6	3	1/4	6.0	
FPW-110-1		5/16	M6	5-9	7-12	3/8	10	4500	0.7	18	5.6	143	1.8	0.8	6	3	1/4	6.0	
FPW-330D-1		5/16	M8	9-20	13-27	1/4	6	5600	0.9	23	5.9	150	2.1	1.0	14	7	1/4	6.0	
FPW-330-1		5/16	M8	13-20	18-27	3/8	10	5600	0.9	23	5.9	150	2.1	1.0	14	7	1/4	6.0	
FPW-440D-3	SPW-440D-3	5/16	M8	13-22	18-29	1/4	6	6800	0.9	23	5.9	150	2.1	1.0	14	7	1/4	6.0	
FPW-550D-3	SPW-550D-3	3/8	M8	15-25	20-34	1/4	6	6100	0.9	23	5.9	150	2.1	1.0	14	7	1/4	6.0	
FPW-660D-4 ³	SPW-660D-4 ³	3/8	M8	19-28	25-37	1/4	6	6400	0.9	23	6.4	163	2.2	1.0	18	8	3/8	10.0	
FPW-440-3	SPW-440-3	3/8	M8	19-28	25-37	3/8	10	6800	0.9	23	5.9	150	2.1	1.0	14	7	1/4	6.0	
FPW-550-3	SPW-550-3	3/8	M8	20-33	27-44	3/8	10	6100	0.9	23	5.9	150	2.1	1.0	14	7	1/4	6.0	
FPW-770D-3	SPW-770D-3	7/16	M8	25-35	34-47	1/4	6	6300	1.0	25	6.8	173	3.2	1.5	18	8	3/8	10.0	
FPW-660-4	SPW-660-4	7/16	M8	25-40	34-54	3/8	10	6400	0.9	23	6.4	163	2.2	1.0	18	8	3/8	10.0	
FPW-770-3	SPW-770-3	1/2	M8	33-57	44-76	3/8	10	6300	1.0	25	6.9	175	3.2	1.5	16	7	3/8	10.0	
FPW-880-6	SPW-880-4	1/2	M10	37-70	49-93	1/2	13	5500	1.0	25	7.5	191	3.9	1.8	19	9	3/8	10.0	
FPW-990-3	SPW-990-3	9/16	M10	48-85	64-113	1/2	13	4800	1.1	28	7.5	191	4.4	2.0	21	10	3/8	10.0	
FPW-1110-1	SPW-1110-1	9/16	M12	62-99	83-132	1/2	13	4800	1.2	30	7.6	193	4.9	2.2	21	10	3/8	10.0	
FPW-1330-1	SPW-1330-1	5/8	M12	95-147	127-196	1/2	13	3800	1.3	33	8.1	206	6.4	2.9	23	11	3/8	10.0	
FPW-1660-1		5/8	M12	118-200	160-270	3/4	19	3000	1.4	35	9.6	243	8.4	3.8	41	20	1/2	13.0	
Inline																			
FPW-110SD-1		1/4	M4	2-6	2-8	1/4	6	3200	0.7	18	8.6	218	1.4	0.7	6	3	1/4	6.0	
FPW-330SD-1		5/16	M8	9-17	13-23	1/4	6	5500	0.9	23	8.9	226	1.9	0.9	12	6	1/4	6.0	
FPW-440SD-1	SPW-440SD-1	5/16	M8	11-19	15-25	1/4	6	5500	0.9	23	8.9	226	1.9	0.9	12	6	1/4	6.0	
FPW-550SD-1	SPW-550SD-1	3/8	M8	15-25	20-34	1/4	6	5700	0.9	23	8.9	226	1.9	0.9	13	6	1/4	6.0	
FPW-660SD-1	SPW-660SD-1	3/8	M8	19-28	25-37	1/4	6	5800	0.9	23	9.4	239	2.1	1.0	18	8	3/8	10.0	
FPW-110S-1		1/4	M4	2-6	2-8	3/8	10	3200	0.7	18	8.8	224	1.4	0.7	6	3	1/4	6.0	
FPW-440S-1	SPW-440S-1	3/8	M8	15-25	20-34	3/8	10	5500	0.9	23	8.9	226	1.9	0.9	12	6	1/4	6.0	
FPW-550S-1	SPW-550S-1	3/8	M8	20-33	27-44	3/8	10	5700	0.9	23	8.9	226	1.9	0.9	13	6	1/4	6.0	
FPW-660S-1	SPW-660S-1	7/16	M8	25-40	34-54	3/8	10	5800	0.9	23	9.4	239	2.1	1.0	18	8	1/4	6.0	
FPW-770S-1	SPW-770S-1	1/2	M8	33-57	44-76	3/8	10	6300	0.9	23	9.4	239	2.7	1.2	16	7	3/8	10.0	
Right Angle																			
FPW-440SC-1		5/16	M8	10-18	14-24	3/8	10	5000	0.7	18	10.0	255	2.8	1.3	14	7	1/4	6.0	
FPW-550SC-1		3/8	M8	16-27	22-37	3/8	10	5500	0.7	18	10.0	255	2.8	1.3	14	7	1/4	6.0	
FPW-660SC-1		3/8	M8	18-33	24-45	3/8	10	5500	0.7	18	10.0	255	3.1	1.4	14	7	3/8	10.0	
FPW-770SC-1	SPW-770SC-1	7/16	M8	25-37	33-50	3/8	10	6300	0.7	18	10.7	272	3.7	1.7	16	7	3/8	10.0	
D-Handle																			
FPW-2220S-1		3/4	M20	121-369	300-500	3/4	19	5000	1.8	45	13.8	350	15.7	7.0	45	21	1/2	13.0	

General:
 Air Inlet Size: 1/4", 3/8" NPT
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts list, Safety and Instruction manual
 Adjustment Wrenches
 Comfort Grip

¹ Bolt capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions
² 1/4" drives are hex quick change, all others are square drives



³ For alternate shank style, order SPW-660D-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



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MECHANICAL SHUTOFF PULSE TOOLS

Performance:

Torque: 3 ft lb (4 Nm) - 120 ft lb (160 Nm)

Speed: 3600 rpm - 6700 rpm

Bolt Size: 3/16" - 9/16" (M5 - M14)

Features:

Pistol Grip, Inline

Trigger Start

Reversible

Rotatable Exhaust (Pistol Grip models)

Molded Comfort Grip (Pistol Grip models)



FPT-550SD-1



FPT-660-1

Fuji Branded Pulse Tools are for sale in the U.S.A and Canada only



FUJI Model Number	SIOUX Model Number	Rec. Bolt Size ¹		Torque Range		Drive Size ²		Free Speed rpm	Side To Center		Length		Weight		Air Consum.		Hose Size		
		in.	mm	ft lb	Nm	in.	mm		in.	mm	in.	mm	lb	kg	cfm	l/s	in.	mm	
Pistol Grip																			
FPT-110D-1		3/16	M5	3-5	4-7	3/8	10	4500	0.7	18	7.5	190	2.1	0.9	5	3	1/4	6.0	
FPT-110-1		3/16	M5	3-5	4-7	1/4	6	4500	0.7	18	7.5	190	2.1	0.9	5	3	1/4	6.0	
FPT-330D-1		5/16	M6	4-8	6-11	1/4	6	6000	0.9	23	7.6	193	2.6	1.2	12	6	1/4	6.0	
FPT-330-1		5/16	M6	4-8	6-11	3/8	10	6000	0.9	23	7.6	193	2.6	1.2	12	6	1/4	6.0	
FPT-440D-1		5/16	M6	7-13	10-18	1/4	6	6700	0.4	10	7.5	190	2.6	1.2	12	6	1/4	6.0	
FPT-440-1	SPT-440-1	5/16	M6	9-15	12-20	3/8	10	6700	0.4	10	7.6	193	2.6	1.2	12	6	1/4	6.0	
FPT-550D-1		5/16	M6	9-17	13-23	1/4	6	5800	0.4	10	7.5	190	2.6	1.2	14	7	1/4	6.0	
FPT-550-1	SPT-550-1	5/16	M8	11-19	15-25	3/8	10	5800	0.4	10	7.6	193	2.6	1.2	14	7	1/4	6.0	
FPT-660D-1		3/8	M8	13-24	18-33	1/4	6	5400	0.9	23	7.5	190	2.6	1.2	14	7	3/8	10.0	
FPT-660-1	SPT-660-1	3/8	M8	15-26	20-35	3/8	10	5500	0.9	23	9.9	251	2.3	1.0	12	6	1/4	6.0	
FPT-770-1	SPT-770-1	3/8	M8	22-34	30-45	3/8	10	6300	1.0	25	7.9	201	3.6	1.6	16	7	3/8	10.0	
FPT-880-1	SPT-880-1	7/16	M8	30-45	40-60	1/2	13	5800	1.0	25	8.4	213	4.5	2.0	18	8	3/8	10.0	
FPT-990-1	SPT-990-1	1/2	M10	41-60	55-80	1/2	13	4800	1.2	30	8.5	216	5.3	2.4	19	9	3/8	10.0	
FPT-1110-1	SPT-1110-1	9/16	M12	56-97	75-130	1/2	13	4800	1.3	33	8.5	216	5.7	2.6	21	10	3/8	10.0	
FPT-1330-1	SPT-1330-1	9/16	M14	68-120	90-160	1/2	13	3600	1.4	35	9.0	228	7.0	3.2	25	12	3/8	10.0	
Inline																			
FPT-330SD-1		5/16	M6	4-8	6-11	1/4	6	5000	0.9	23	9.8	249	2.3	1.0	12	6	1/4	6.0	
FPT-330S-1		5/16	M6	4-8	6-11	3/8	10	5000	0.9	23	9.8	249	2.3	1.0	12	6	1/4	6.0	
FPT-440SD-1		5/16	M6	6-10	8-13	1/4	6	5000	0.9	23	9.8	249	2.3	1.0	12	6	1/4	6.0	
FPT-440S-1		5/16	M6	6-10	8-13	3/8	10	5000	0.9	23	9.9	251	2.3	1.0	12	6	1/4	6.0	
FPT-550SD-1		5/16	M8	9-15	12-20	1/4	6	5500	0.9	23	9.9	251	2.3	1.0	12	6	1/4	6.0	
FPT-550S-1		5/16	M8	9-15	12-20	3/8	10	5500	0.9	23	9.9	251	2.3	1.0	12	6	1/4	6.0	
FPT-660SD-1		5/16	M8	11-21	15-28	1/4	6	5000	0.9	23	10.0	262	2.4	1.1	17	8	3/8	10.0	
FPT-660S-1		5/16	M8	15-22	20-30	3/8	10	5000	0.9	23	10.0	262	2.4	1.1	17	8	3/8	10.0	

General:

Air Inlet Size: 1/4", 3/8" NPT

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Adjustment wrenches

Comfort Grip

¹ Bolt capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions

² 1/4" drives are hex quick change, all others are square drives

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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



Making 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. With your choice of 4 different handle configurations and 6 optional clutches, plus many additional features, 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. Available on the SD9A and 2P series. 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.

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



DRILLS

POSITIVE CLUTCH PISTOL GRIP AND "T" HANDLE SCREWDRIVERS

Performance:

Torque: 24 in. lb (2.7 Nm) - 100 in. lb (11.0 Nm)

Speed: 725 rpm - 2500 rpm

ASSEMBLY

Features:

Reversible and Non-reversible

Trigger Start

Trigger or Rapid Reverse

Comfort Grip (1OM, SD9 series)

Rotatable Exhaust (1OM, 2P series)

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Model Number		Maximum Torque ¹ (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
1 Series - Rapid Reverse											
1OM2403		24	2.7	2000	1.6	0.7	6.7	170	0.7	17	75
1OM2303		30	3.4	1400	1.8	0.8	7.7	196	0.7	17	75
1OM2203		40	4.5	1000	1.8	0.8	7.7	196	0.7	17	75
1OM2103		55	6.2	725	1.8	0.8	7.7	196	0.7	17	75
2 Series - Low Torque - Trigger Reverse											
	2P2303	45	5.1	2500	2.6	1.2	6.8	173	0.9	23	82
2P2603Q		50	5.7	2000	2.6	1.2	6.8	173	0.9	23	82
2P2203Q		80	9.0	1200	3.1	1.4	8.0	203	0.9	23	82
SD9 Series - Low Torque Clutch - Rapid Reverse											
SD9APB-25LQ		50	5.7	2500	2.7	1.2	8.2	208	0.9	23	78
SD9APB-20LQ	SD9APB-20L	65	7.3	2000	2.7	1.2	8.2	208	0.9	23	78
SD9APB-12LQ		100	11	1200	3.2	1.5	9.4	239	0.9	23	78
3 Series - "T" Handle - 7/16" Quick Change											
3T2303		216	24.4	850	6.7	3.0	33	840	1.0	25	81

<p>General: Air Inlet Size: 1/4" NPT Performance rated @ 90 psig (6.2 bar) air pressure Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) (2P, SD9) Tools available with BSPT air inlet upon request</p>	<p>Accessories: Screwdriver Accessories, see page 48 Screwdriver Bits and Finders, see pages 65-66</p>
<p>Standard Equipment: Parts list, Safety and Instruction manual Comfort Grip (1OM, SD9 series)</p>	

¹ Torque output varies with force exerted by operator
² 7/16" internal hex drive



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 PISTOL GRIP SCREWDRIVERS

Performance:

Torque: 50 in. lb (5.7 Nm) - 180 in. lb (20.0 Nm)

Speed: 700 rpm - 2500 rpm

Features:

Reversible and Non-reversible

Trigger Start

Trigger or Rapid Reverse

Comfort Grip (SD9 series)

Rotatable Exhaust (2P series)



SD9APB-20MQ



2P2603AQ



2P2603ASQ



Model Number		Maximum Torque ³ (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
2 Series - Mid Torque Clutch - Trigger Reverse											
2P2303AQ	2P2303A	50	5.7	2500	2.6	1.2	6.8	173	0.9	23	82
2P2603AQ	2P2603A	65	7.3	2000	2.6	1.2	6.8	173	0.9	23	82
2P2203AQ		100	11.3	1200	3.1	1.4	8.0	203	0.9	23	82
2P2103AQ		180	20	700	3.1	1.4	8.0	203	0.9	23	82
SD9 Series - Mid Torque Clutch - Rapid Reverse											
SD9APB-25MQ	SD9APB-25M	50	5.7	2500	2.7	1.2	8.2	208	0.9	23	78
SD9APB-20MQ		65	7.3	2000	2.7	1.2	8.2	208	0.9	23	78
SD9APB-12MQ		100	11.3	1200	3.2	1.5	9.4	239	0.9	23	78
2 Series - High Torque Clutch - Trigger Reverse											
2P2303ASQ	2P2303AS	50	5.7	2500	2.6	1.2	6.8	173	0.9	23	82
2P2603ASQ	2P2603AS	65	7.3	2000	2.6	1.2	6.8	173	0.9	23	82
2P2203ASQ		100	11	1200	3.1	1.4	8.0	203	0.9	23	82
2P2103ASQ		180	20	700	3.1	1.4	8	203	0.9	23	82
SD9 Series - High Torque Clutch - Rapid Reverse											
SD9APB-25PQ		50	5.7	2500	2.7	1.2	8.2	208	0.9	23	78
SD9APB-20PQ		65	7.3	2000	2.7	1.2	8.2	208	0.9	23	78
SD9APB-12PQ		100	11	1200	3.2	1.5	9.4	239	0.9	23	78

General:

Air Inlet Size: 1/4" NPT

Performance rated @ 90 psig (6.2 bar) air pressure

Recommended Hose Size: 3/8" (10 mm) (2P, SD9)

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip (SD9 series)

Accessories:

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see pages 65-66

¹ Torque output varies with force exerted by operator

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POSITIVE CLUTCH INLINE AND Z-HANDLE SCREWDRIVERS

Performance:

Torque: 30 in. lb (3.4 Nm) - 60 in. lb (6.8 Nm)

Speed: 800 rpm - 2200 rpm

Features:

Lever Start

Reversible

Rear Exhaust



Model Number		Maximum Torque ¹ (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
Inline											
1SM2203		40	4.5	1100	1.4	0.6	9.1	231	0.6	15	75
1SM2103		55	6.2	800	1.4	0.6	9.1	231	0.6	15	75
Z-Handle - Low Torque Clutch											
	2S2303	30	3.4	2200	2.6	1.2	4.3	109	0.9	23	75
2S2203Q	2S2203	46	5.2	1600	2.6	1.2	4.3	109	0.9	23	75
2S2103Q		60	6.8	1000	2.6	1.2	4.3	109	0.9	23	75
Z-Handle - Mid-Torque Clutch											
2S2303AQ	2S2303A	30	3.4	2200	2.6	1.2	4.3	109	0.9	23	75
2S2203AQ		46	5.2	1600	2.6	1.2	4.3	109	0.9	23	75
2S2103AQ		60	6.8	1000	2.6	1.2	4.3	109	0.9	23	75

General:

Air Inlet Size: 1/4" NPT
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request
 Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (2S)

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 65-66

¹ Torque output varies with force exerted by operator



STALL PISTOL GRIP SCREWDRIVERS

Performance:

Torque: 18 in. lb (2.0 Nm) - 325 in. lb (36.7 Nm)

Speed: 400 rpm - 5800 rpm

Features:

Reversible and Non-reversible

Trigger Start

Trigger or Rapid Reverse

Comfort Grip (1OM, SD9 series)

1/4" Quick Change



Model Number	Maximum Torque (Soft Joint)		Free Speed rpm	Weight		Length		Side To Center		Sound Level dB(A)
	in. lb	Nm		lb	kg	in.	mm	in.	mm	
Trigger Start - Trigger Reverse										
1OM2507	18	2.0	2600	1.6	0.7	6.7	170	0.7	18	75
1OM2407	24	2.7	2000	1.6	0.7	6.7	170	0.7	18	75
1OM2307	30	3.4	1400	1.8	0.8	7.7	196	0.7	18	75
1OM2207	40	4.5	1000	1.8	0.8	7.7	196	0.7	18	75
1OM2107	55	6.2	725	1.8	0.8	7.7	196	0.7	18	75
2P2307	55	6.2	2500	2.3	1.0	6.2	157	0.9	23	82
2P2607	70	7.9	2000	2.3	1.0	6.2	157	0.9	23	82
2P2207	105	11.7	1200	2.8	1.3	7.5	190	0.9	23	82
2P2107	185	20.9	700	2.8	1.3	7.5	190	0.9	23	82
2P2507	325	36.7	400	2.8	1.3	7.5	190	0.9	23	82
Trigger Start - Rapid Reverse										
SD9APB-25Q	55	6.2	2500	2.4	1.1	6.4	163	0.9	23	78
SD9APB-20Q	70	7.9	2000	2.4	1.1	6.4	163	0.9	23	78
SD9APB-12Q	120	13.6	1200	2.9	1.3	7.6	193	0.9	23	78
SD9APB-7Q	200	22.6	700	2.9	1.3	7.6	193	0.9	23	78

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) (2P, SD9 series)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Accessories:

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see pages 65-66

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip (1OM, SD9 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



DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

STALL INLINE AND Z-HANDLE SCREWDRIVERS

Performance:

Torque: 24 in. lb (2.7 Nm) - 185 in. lb (20.9 Nm)

Speed: 700 rpm - 2200 rpm

Features:

Reversible

Lever Start

Rear Exhaust

Suspension Bail



2S2107



1SM2107



2L2107



Model Number	Maximum Torque (Soft Joint)		Free Speed rpm	Weight		Length		Side To Center		Sound Level dB(A)
	in. lb	Nm		lb	kg	in.	mm	in.	mm	
Inline - Reversible - 1/4" Quick Change Drive										
1SM2407	24	2.7	2200	1.3	0.6	8.1	206	0.6	15	75
1SM2207	40	4.5	1100	1.4	0.6	9.1	231	0.6	15	75
1SM2107	55	6.2	800	1.4	0.6	9.1	231	0.6	15	75
2L2107	185	20.9	700	2.8	1.3	10.0	254	0.9	23	84
Z-Handle - 1/4" Quick Change Drive										
2S2307	36	4.1	2200	2.3	1.0	2.9	74	0.9	23	75
2S2207	50	5.7	1600	2.3	1.0	2.9	74	0.9	23	75
2S2107	70	7.9	1000	2.3	1.0	2.9	74	0.9	23	75

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 1/4" (6 mm) (1SM series);
3/8" (10 mm) (2L, 2S series)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

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 pages 65-66



ADJUSTABLE CLUTCH PISTOL GRIP SCREWDRIVERS

Performance:

Torque: 20 in. lb (2.3 Nm) - 120 in. lb (14 Nm)

Speed: 400 rpm - 2500 rpm

Screw size: #6 - 1/4" (M3 - M6)

Features:

Reversible and Non-reversible

Trigger Start

Trigger or Rapid Reverse



Model Number		Screw Capacity ¹		Maximum Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" QC ²	1/4" IH ³	in.	mm	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
Trigger Start - Rapid Reverse													
1OM2405Q		#6	M3.5	20	2.3	2000	1.9	0.9	7.8	198	0.7	17	75
1OM2305Q		#8	M4	25	2.8	1400	2.1	1.0	8.8	224	0.7	17	75
1OM2205Q		#10	M4	35	4.0	1000	2.1	1.0	8.8	224	0.7	17	75
1OM2105Q		#10	M5	50	5.7	725	2.1	1.0	8.8	224	0.7	17	75
Trigger Start - Trigger Reverse													
2P2305Q	2P2305	#10	M4	45	5.1	2500	2.4	1.3	8.1	206	0.9	23	82
2P2605Q		#10	M5	60	6.8	2000	2.4	1.3	8.1	206	0.9	23	82
2P2205Q		1/4	M6	90	10	1200	2.9	1.1	9.3	236	0.9	23	82
2P2105Q	2P2105	1/4	M6	120	14	700	2.9	1.1	9.3	236	0.9	23	82
2P2505Q		1/4	M6	120	14	400	2.9	1.1	9.3	236	0.9	23	82
Trigger Start - Rapid Reverse													
SD9APB-25AQ		#10	M4	45	5.1	2500	3.0	1.4	9.4	240	0.9	23	78
SD9APB-20AQ		#10	M5	60	6.8	2000	3.0	1.4	9.4	240	0.9	23	78
SD9APB-12AQ		1/4	M6	90	10	1200	3.5	1.5	10.6	270	0.9	23	78
SD9APB-7AQ		1/4	M6	120	14	700	3.5	1.5	10.6	270	0.9	23	78

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 1/4" (6 mm) (1OM series); 3/8" (10 mm) (2P, SD9 series)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip (1OM, SD9 series)

Clutch Adjustment Wrench

Accessories:

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see pages 65-66

¹ Screw capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions

² Quick Change

³ Internal Hex



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
ASSEMBLY
ABRASIVE
FINISHING
PERCUSSIVE
SPECIALTY
ACCESSORIES

DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

ADJUSTABLE CLUTCH INLINE AND Z-HANDLE SCREWDRIVERS

Performance:

Torque: 20 in. lb (2.3 Nm) - 120 in. lb (14 Nm)

Speed: 700 rpm - 2500 rpm

Screw size: #6 - 1/4" (M3.5 - M6)

Features:

Reversible

Rear Exhaust

External Clutch Adjustment



1SM2105Q



1SM2405



2S2105Q



2L2305Q



Model Number		Screw Capacity ¹		Maximum Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" QC ²	1/4" IH ³	in.	mm	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
Inline - Lever Start													
1SM2405Q	1SM2405	#6	M3.5	20	2.3	2200	1.6	0.7	9.3	236	0.6	15	75
1SM2305Q		#8	M4	25	2.8	1500	1.8	0.4	10.3	262	0.6	15	75
1SM2205Q		#10	M4	35	4.0	1100	1.8	0.4	10.3	262	0.6	15	75
1SM2105Q		#10	M5	50	5.7	800	1.8	3.6	10.3	262	0.6	15	75
2L2305Q		#10	M4	45	5.1	2500	3.0	1.4	11.4	290	0.9	23	84
2L2605Q		#10	M5	60	6.8	2000	3.0	1.4	11.4	290	0.9	23	84
2L2205Q		1/4	M6	90	10	1200	3.4	1.5	12.6	320	0.9	23	84
2L2105Q		1/4	M6	120	14	700	3.4	1.5	12.6	320	0.9	23	84
Z-Handle - Lever Start													
2S2305Q		#8	M4	30	3.4	2200	2.9	1.3	5.8	147	0.9	23	75
2S2105Q		#10	M5	60	6.8	1000	2.9	1.3	5.8	147	0.9	23	75

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 1/4" (6 mm) (1SM series); 3/8" (10 mm) (2L, 2S series)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

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 pages 65-66

¹ Screw capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions

² Quick Change

³ Internal Hex

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



TORQUE CONTROL SCREWDRIVERS

Performance:

Torque: 5.0 in. lb (0.6 Nm) - 50 in. lb (5.5 Nm)

Speed: 725 rpm - 2800 rpm

Screw size: #6 - #10



1ST2108

Features:

Push-to-start and Lever Start

Reversible

Locking Button Reverse

External Clutch Adjustment



1OT2208Q



Model Number		Screw Capacity ¹		Torque Range (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" QC ²	1/4" IH ³	in.	mm	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
Inline - Push To Start													
1ST2508Q		#6	M3	5.0-14	0.6-1.5	2800	1.4	0.6	8.3	211	0.6	15	75
1ST2308Q		#8	M4	5.0-25	0.6-3.0	1500	1.6	0.7	9.3	236	0.6	15	75
1ST2208Q		#10	M4	5.0-35	0.6-4.0	1100	1.6	0.7	9.3	236	0.6	15	75
1ST2108Q	1ST2108	#10	M5	5.0-50	0.6-5.5	800	1.6	0.7	9.3	236	0.6	15	75
Pistol Grip - Push To Start													
1OT2508Q		#6	M3	5.0-14	0.6-1.5	2600	1.9	0.9	7.8	200	0.7	17	75
1OT2308Q		#8	M4	5.0-25	0.6-3.0	1400	2.1	1.0	8.8	225	0.7	17	75
1OT2208Q		#10	M4	5.0-35	0.6-4.0	1000	2.1	1.0	8.8	225	0.7	17	75
1OT2108Q		#10	M5	5.0-50	0.6-5.5	725	2.1	1.0	8.8	225	0.7	17	75

<p>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 Tools available with BSPT air inlet upon request</p> <p>Standard Equipment: Parts list, Safety and Instruction manual Comfort Grip (1OT, 1ST series) Suspension Bail (Inline models)</p>	<p>Accessories: Screwdriver Accessories, see page 48 Screwdriver Bits and Finders, see pages 65-66</p>
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¹ Screw capacities are based on suggested assembly torques applied to SAE Grade 5 and metric Class 9.8 fasteners under slightly lubricated conditions
² Quick Change
³ Internal Hex



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
 ASSEMBLY
 ABRASIVE
 FINISHING
 PERCUSSIVE
 SPECIALTY
 ACCESSORIES



DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

DIRECT CLUTCH SCREWDRIVERS

Performance:

Torque: 36 in. lb (4.1 Nm) - 185 in. lb (20.9 Nm)

Speed: 700 rpm - 2500 rpm

Features:

Pistol Grip, Inline, and Z-handles

Trigger and Lever Start

Reversible and Non-reversible

Rear Exhaust (2L, 2S series)



Model Number		Maximum Torque (Soft Joint)		Free Speed	Weight		Length		Side To Center		Sound Level
1/4" Quick Change	1/4" Internal Hex	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	dB(A)
Pistol Grip - Trigger Start - Trigger Reverse											
	2P2301	55	6.2	2500	2.6	1.2	6.8	173	0.9	23	82
	2P2601	70	7.9	2000	2.6	1.2	6.8	173	0.9	23	82
	2P2101	185	20.9	700	3.1	1.4	8.0	203	0.9	23	82
Inline - Lever Start -Reversible											
	2L2301	55	6.2	2500	2.6	1.2	6.8	173	0.9	23	84
Inline - Lever Start - Non-reversible											
	2L1201Q	140	15.8	1600	2.9	1.3	10.5	267	0.9	23	84
Z-Handle - Lever Start - Reversible											
	2S2301	36	4.1	2200	2.6	1.2	4.3	109	0.9	23	75

General:

Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 Suspension Bail (2L, 2S series)

Accessories:

Screwdriver Accessories, see page 48
 Screwdriver Bits and Finders, see pages 65-66



RIGHT ANGLE SCREWDRIVERS

Performance:

Torque: 35 in. lb (4.0 Nm) - 310 in. lb (35.0 Nm)

Speed: 400 rpm - 2000 rpm

Features:

Stall Drive and Adjustable Clutch

Button Reverse

Lever Start

Rear Exhaust



1AM2101



1AM2105



2A2251



Model Number	Maximum Torque (Soft Joint)		Free Speed rpm	Weight		Length		Side To Center		Sound Level dB(A)
	in. lb	Nm		lb	kg	in.	mm	in.	mm	
1/4" Internal Hex										
Stall Drive										
1AM2201	35	4.0	1100	1.5	0.7	10.0	254	0.3	8	75
1AM2101	50	5.7	800	1.5	0.7	10.0	254	0.3	8	75
Stall Drive - Low Profile Head										
2A2151	240	27.1	700	3.6	1.6	12.8	325	0.5	13	84
2A2551	310	35.0	400	3.6	1.6	12.8	325	0.5	13	84
Adjustable Clutch										
1AM2205	35	4.0	1100	1.9	0.9	11.8	300	0.3	8	75
1AM2105	50	5.7	800	1.9	0.9	11.8	300	0.3	8	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

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip (1AM series)

Accessories:

Screwdriver Accessories, see page 48

Screwdriver Bits and Finders, see pages 65-66



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

Z-HANDLE CORDED SCREWDRIVER AND 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



ASSEMBLY

ABRASIVE

FINISHING

Model Number	Stall Torque		Maximum Working Torque		Max. Free Speed	Weight		Length		Side To Center		Overall Length	
	in. lb	Nm	in. lb	Nm	rpm	lb	kg	in.	mm	in.	mm	in.	mm
Screwdriver - 0.4 hp (0.3 kw)													
8020ES	120	160	40	55	1300	3.4	1.5	1.0	25	4.6	116	10	254
Drill/Driver - 0.4 hp (0.3 kw)													
8030ES	120	160	60	80	1300	3.6	1.6	1.0	25	5.3	133	10	254

PERCUSSIVE

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
 3-jaw Keyless Chuck (8030ES)
 8 ft power cord

Accessories:
 Screwdriver Accessories, see page 48
 Screwdriver Bits and Finders, see pages 65-66

SPECIALTY

ACCESSORIES



RIGHT ANGLE NUTRUNNERS

Performance:

Torque: 50 in. lb (5.7 Nm) - 600 in. lb (68 Nm)

Speed: 250 rpm - 800 rpm

Bolt Size: #10 - 7/16" (M4 - M11)

Features:

Reversible

Lever Start

Rear and Side Exhaust



1AM2106



NR2A2108BTC



3A2104



Model Number	Bolt Capacity ²		Maximum 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
Torque Control Clutch														
2A2208BTC	5/16	M8	156	18	450	4.7	2.1	15.1	384	1.0	25	80	3/8	10
NR2A2108BTC	3/8	M10	240	27	250	4.7	2.1	15.1	384	1.0	25	80	3/8	10
3A2208 ¹	3/8	M10	294	33	480	7.4	3.4	18.3	465	0.8	20	81	1/2	13
3A2108 ¹	3/8	M10	360	41	300	7.4	3.4	18.3	465	0.8	20	81	1/2	13
Adjustable Clutch														
1AM2106	#10	M4.5	50	5.7	800	1.9	0.9	11.6	295	0.3	8	75	1/4	6
Direct Clutch														
1AM2102	#10	M4.5	50	5.7	800	1.5	0.7	11.5	292	0.3	8	75	1/4	6
Stall Drive														
3A2104 ¹	7/16	M11	600	68	300	5.5	2.5	15.5	394	0.8	20	81	1/2	13

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

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip (1AM series)

Clutch Adjustment Wrench

Accessories:

Nutrunner Accessories, see page 48

Sockets, see page 64

¹ Not CE Certified

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



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

Clutch Springs



Part Number	Color	Torque Range	
		in. lb	Nm
SD9A, 2 Series Adjustable Clutch			
41284	Green	<25	<2.8
21427	N/A	>25	>2.8
1 Series Adjustable Clutch			
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
2 Series Torque Control Clutch			
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	For Use On
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



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 1,500 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" (25 mm), and torque outputs up to 1600 ft lb (2170 Nm), finding the tool to meet your performance requirements will be simple.

DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES



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

**3/8" (10 mm) AND 1/2" (13 mm)
IMPACT WRENCHES**

Performance:

Torque: 60 ft lb (80 Nm) - 450 ft lb (610 Nm)

Drive Size: 3/8" (10 mm) - 1/2" (13 mm) square drive

Bolt Capacity: 3/8" (10 mm) - 5/8" (16 mm)



IW38HAP-3P

ASSEMBLY

Features:

Pistol Grip

Steel Anvil Housing

Suspension Ball



FW-6PM-1



IW50HAP-4P

ABRASIVE

FINISHING



Model Number	Drive Size		Bolt Cap. Grade 5		Working Torque Range*		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	scfm	l/s	
Pistol Grip																			
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-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
FW-6PM-1	3/8	10	3/8	10	10-75	14-102	90	122	1,700	8500	2.1	1	5.8	146	0.9	23	19	8	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	1.8	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	1.8	Pin

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Suspension Bail

Accessories:

Impact Wrench Accessories, see page 64

PERCUSSIVE

SPECIALTY

ACCESSORIES

* Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester



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

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

Performance:

Torque: 800 ft lb (1085 Nm) - 5200 ft lb (7050 Nm)
 Drive Size: 3/4" (19 mm) - 1-1/2" (38 mm)
 Bolt Capacity: 3/4" (19 mm) - 2" (50 mm)

Features:

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



Model Number	Drive Size		Bolt Cap. Grade 5		Working Torque Range*		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	scfm	l/s	
Pistol Grip																			
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
D-Handle - Inside Trigger																			
IW100AI-8H	1	25	1-3/8	35	2300	3118	2800	3797	1000	4500	22.5	10.2	12.5	318	1.9	49	42	20	Hole
IW100AI-8H6	1	25	1-3/8	35	2300	3118	2800	3797	1000	4500	26.7	12.1	18.5	470	1.9	49	42	20	Hole
IW100AI-5S	#5 Spline		1-3/8	35	2300	3118	2800	3797	1000	4500	22.5	10.2	12.5	318	1.9	49	42	20	Hole
IW100HAI-8H	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	22	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAI-8H6	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW100HAI-5S	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	22	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAI-5S6	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW150HAI-5S	#5 Spline		1-3/8	35	2500	3390	3000	4070	650	3750	33	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	15.0	14.5	368	2.5	65	60	28	Hole
D-Handle - Outside Trigger																			
IW100HAO-8H	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	22	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAO-8H6	1	25	1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW100HAO-5S	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	22	10.0	12.4	315	2.0	51	38	18	Hole
IW100HAO-5S6	#5 Spline		1-3/8	35	1600	2170	2000	2710	850	5000	26.2	11.8	18.4	467	2.0	51	38	18	Hole
IW150HAO-12H	1-1/2	38	2	50	2500	3390	3000	4070	650	3750	33	15.0	14.5	368	2.5	65	60	28	Hole
IW150HAO-5S	#5 Spline		1-3/8	35	2500	3390	3000	4070	650	3750	33	15.0	14.5	368	2.5	65	60	28	Hole
T-Handle - Outside Trigger																			
SW-50-6	1-1/2	38	2	50	5200	7050	7500	10,175	850	4000	80	36.0	24.0	610	2.8	71	75	35	Hole

General:
 Air Inlet Size: 3/8" NPT
 Recommended Hose Size: 1/2" (13 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request
Standard Equipment:
 Parts list, Safety and Instruction manual
 Suspension Bail
 Support handle (D-handle models)

Accessories:
 Impact Wrench Accessories, see page 64

* Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

DRILLS

IMPACT DRIVERS

Performance:

Torque: 10 ft lb (14 Nm) - 200 ft lb (270 Nm)
 Drive Size: 7/16" (11 mm) hex - 1/2" (12 mm) hex
 Bolt Capacity: 1/4" (6 mm) - 3/8" (10 mm)

ASSEMBLY

Features:

Pistol Grip
 Suspension Bail
 Steel Anvil Housing
 Quick Change Bit Retainer



IW38HAP-7Q



FW-6PMD-1

ABRASIVE

FINISHING



Model Number	Drive Size		Bolt Cap. Grade 5		Working Torque Range*		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	scfm	l/s	
Pistol Grip																			
FW-6PMD-1	1/4	6	1/4	6	10-75	14-102	90	122	1700	8500	2.1	1	5.7	146	0.9	23	18	8	Pin
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	Pin

PERCUSSIVE

General:
 Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts list, Safety and Instruction manual
 Suspension Bail

Accessories:
 Impact Wrench Accessories, see page 64

* Maximum working torque determined by 5 second rundown on appropriate Skidmore-Wilhelm Torque-Tension Tester

SPECIALTY

ACCESSORIES



Portable Torque Monitor

Accurate measurement and torque control is essential to ensure that product quality, safety and reliability isn't compromised. A fastener that isn't properly tightened can lead to catastrophic failures. Fasteners that are insufficiently torqued can vibrate loose while excessive torque can strip threaded fasteners. Using a quality torque analyzer has become increasingly important for many companies to ensure that proper torque is being applied and provides gage requirements associated with the ISO 9001 Quality Standard. SIOUX TOOL is proud to offer the new TAA1000 Portable Torque Monitor to provide easy to use and consistent torque measurement to your most critical fastening applications. The TAA1000 Torque Monitor allows tool set-up operators to easily adjust the power tool and quality control inspectors to monitor and record in-process tool performance on the assembly line. This process will insure that failures associated with under or over torqued fasteners don't happen.



TAA1000

Features:

Easy MENU driven set-up

OK and NOK indicator lights assist in joint set up and tool evaluation

PEAK indicator light for pulse and impact tool use Shows when the torque curve has flattened indicating PEAK torque has been attained

- Can be used to teach the operator when to release the throttle for accurate control of pulse tools and impact wrenches
- Indicates when the socket has stopped rotating
- Indicates that the torque curve of the application has reached "YIELD"

Dual filter circuits - choose from Pulse tool or ISO 5393 for direct drive tools

(50) memory counts for STATISTICS

- Range
- MEAN value
- Cpk/Cp analysis
- HIGH & LOW sample values

RS 232 printer port for downloading data

Rugged construction with instrument case design

Rechargeable gel cell battery - over 100 hours of run time between charges

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



NCRT Series Rotary Transducers

SIOUX TOOLS's new NCRT Rotary Transducers set the standard for accurate dynamic torque measurement of all continuous drive and impulse tools, with proven reliable performance in thousands of applications worldwide. Transducers fit in-line between the assembly tool and the fastener, measuring the actual torques applied under production conditions. The NCRT torque sensor is excellent for process measurement, torque verification, power or hand tool testing, calibration and general specification auditing. Whatever the vibration and shock loads experienced, NCRT's patented non-contact system ensures constant and continuous torque measurement. Inferior strain gage based systems suffer from "brush bounce" that leads to unreliable torque readings. The low inertia design of the NCRT Series ensures accurate and repeatable measurement of high speed transients, such as the point of shut-off on continuous drive tools and the pulsing of impulse tools. This system is up to ten times faster than the response times typical with strain gage transducers.



TAA1000

Features:

- Dynamic torque measurement of all continuous drive and impulse tools
- Proven reliable performance for impulse tool measurement
- NON-CONTACT measurement guarantees no brush bounce and no brush wear - EVER!
- Robust and reliable design utilizing aircraft grade sealed bearings to minimize drag
- Cycle performance in excess of 10 million revolutions
- Compatible with "Industry Standard" configurations of 2Mv/v @ 5 VDC
- Accuracy better than +/- 0.5% of full scale
- Models range from 100 in/lbs to 750 Nm (566 ft/lbs)
- Use with hand tools, power tools or rotational torque measurement applications

The new NCRT transducers are specifically designed to be totally compatible with SIOUX's latest Power Tool Torque Controller, the TC50A. When used with the TC50A, a simple DYNAMIC set-up provides quick and accurate program set-up. Once the transducer is plugged in, accurate torque readings are displayed on the TC50A after every fastening cycle. This data is then transferred to the RS 232 port to either a printer or a laptop computer.



TAA1000 Accessories (pictured above)

Model Number	Description
3213B	8' Transducer Cable
3213-EX	Transducer Extension Cable
3213-4P	8' Industry Standard Transducer Cable
3214	25' Transducer Cable
3216	120 V Charger for TAA1000
3217B	240 V Charger for TAA1000
3218	Replacement Battery for TAA1000

Transducer Specifications

Model Number	Torque Range		Drive Size		Drive Type
	ft lbs	Nm	in.	mm	
NCRT10-25H	7.5	10	1/4	6	Hex
NCRT75-38S	55	75	3/8	10	Square
NCRT200-50S	147	200	1/2	13	Square
NCRT750-75S	533	750	3/4	18	Square



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

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TORQUE CONTROL SYSTEMS



TC50A

Torque Control System

Model Number	Tool Supply Hose Size	Height		Width		Depth		Weight		Power Req.
		in.	mm	in.	mm	in.	mm	lb	kg	
TC50A	3/8" - 1/2"	12	305	8	203	6	152	10	4.0	100V-240V
TC50A-2	1/2" - 3/4"	12	305	8.0	203	6	152	10	4.0	100V-240V
TC-6A	1/2", 3/4"	10.3	260	18.3	463	12.5	317	40	18.4	110V

Standard Equipment TC-6A:

- 1/2 or 3/4 inch NPT piping
- Programmable FFC-3 processor
- Internal pressure regulator valve
- Electronic sensor valve
- Normally-open solenoid valve
- Built-in Red/Green warning signal
- Built-in External exhaust muffler
- Heavy-duty enclosure w/lockable, access door
- External channel selector switch
- External, lockable on/off switch
- 10 ft grounded power cord

Accessories:

Controller Accessories, see page 62

Optional Chips:

- 10039-Used with Non-shutoff Pulse and Impact tools
- 10041-Used with Stall Drive tools
- 10045-Used in 2-step applications with Non-shutoff Pulse and Impact tools
- 10066-Closed Loop System (Used with Transducerized 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



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



TN50AP-4515K



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 ¹	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	5.9	84
TM50AP-1075K ¹	1	25	59-295	80-400	220-900	298-1220	30	8	13	5.9	84
TM50AP-15100	1	25	40-370	54-502	150-1300	203-1763	25	7	15.6	7.1	84
TM50AP-1510K ¹	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 ¹	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 ¹	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 ¹	1-1/2	38	220-1600	298-2169	650-5000	881-6779	5.3	1.5	36.3	16.5	84

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 59-61

¹ 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.

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

DRILLS

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TM SERIES TORQUE MULTIPLIERS



Right Angle Tools

Model Number	Drive Size		Torque				Speed		Weight		Noise Level dB(A)
			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	72.2	7.8	84
RATM50-07K ¹	3/4	19	45-220	61-298	150-590	203-800	46	15	72.2	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 ¹	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	9	84
RATM50-15K ¹	1	25	80-370	108-502	220-1300	298-1763	20	5.6	20	9	84
RATM50-25	1	25	110-600	149-813	340-2100	461-2847	7.5	2.1	26.8	12	84
RATM50-25K ¹	1	25	110-600	149-813	340-2100	461-2847	7.5	2.1	26.8	12	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 ¹	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 ¹	1-1/2	38	220-1600	298-2169	650-5000	881-6779	4.2	1.2	40.7	18.5	84

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

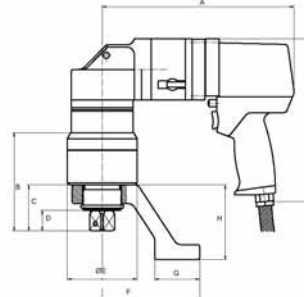
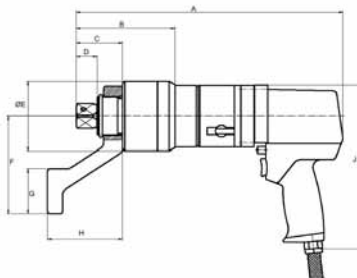
Accessories:

Torque Multiplier Accessories, see pages 59-61

¹ 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.

Measurements

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 MULTIPLIER ACCESSORIES

Reaction Arms:

Standard reaction arms are included with each tool.

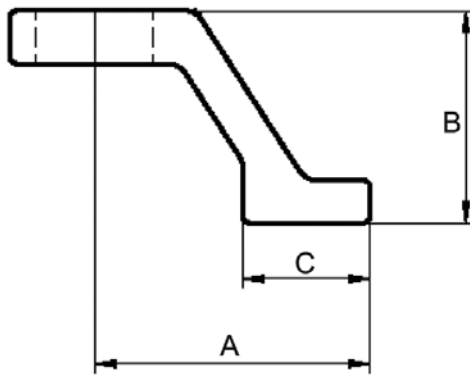
Long or deep reaction arms are used when standard arms fall short in length. Welding rings are used to make custom reaction arms by welding the extensions to the spline ring.



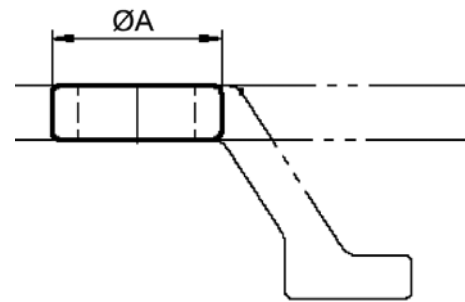
STANDARD REACTION ARM



WELDING RING



REACTION ARM



WELDING RING

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



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

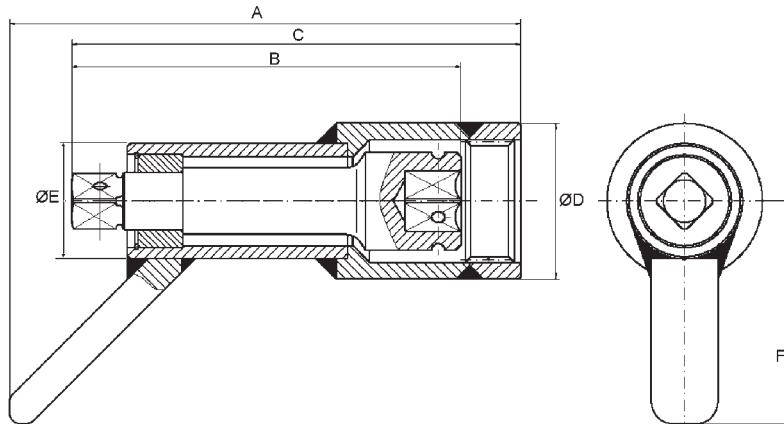


TM SERIES TORQUE MULTIPLIER ACCESSORIES



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	287	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.



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



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TM SERIES TORQUE MULTIPLIER ACCESSORIES



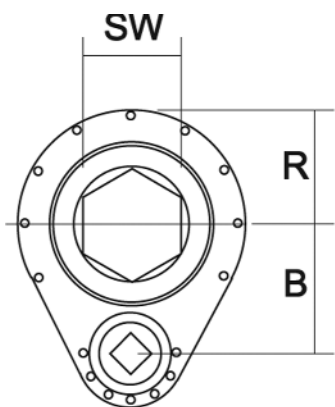
OFF-SET GEARS

Off-Set Gear Measurements

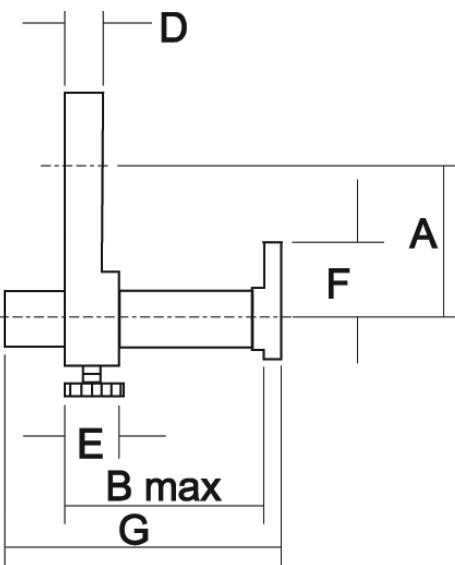
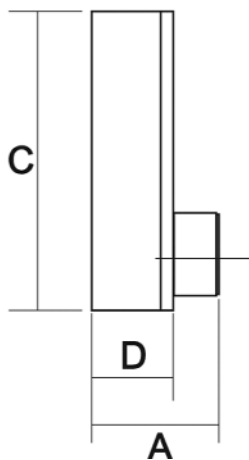
Model Number	Max Torque		SW		A		B		C		D		R	
	ft lb	Nm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
STX22-02-TL	1623	2200	2.56	65	4.1	104	3.2	81	7.49	190	2.6	66	2.52	64
STX36-02-TL	2655	3600	3.94	100	4.18	106	4.39	112	10.02	255	2.68	67	3.82	97

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



OFF-SET GEAR



REACTION MEMBER



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



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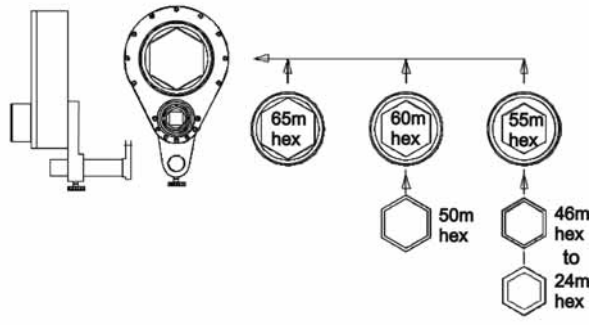
FINISHING

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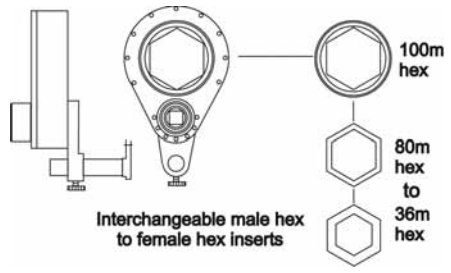
ACCESSORIES

STX22-02-TL



Model Number	Description
Off-set Gear	Hex Size
STX22-02-TL	65
STX22-02-60	60
STX22-02-55	55
Inserts	Hex Size
STX22-H55M	55
STX22-H60M	60
STX22-H65M	65
Standard Inserts	Inserts / Standard Inserts
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

STX36-02-TL



Model Number	Description
Off-set Gear	Hex Size
STX36-02-TL	100
Inserts	Hex Size
STX36-H100M	100
Standard Inserts	Inserts / Standard Inserts
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

Torque Control System Accessories



3401

Portable remote channel selector control, complete with heavy-duty 10 ft cable for multi-torque selection at workstations.

Torque Control System Accessories



3402

Portable remote signal tower complete with 10 ft cable, red/green signal tower and audible warning buzzer for use in workstations away from the controller.

Analyzer Accessories



3201 / 3202



3211



3210

TC50ROI



Remote operator interface: used with TC50A and TC50A-2

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



Standard Extensions



PX3-4 (3/8" x 3/8" Square Drive, 4" Length)



PX4-4 (1/2" x 1/2" Square Drive, 4" Length)



PX3-12 (3/8" x 3/8" Square Drive, 12" Length)



PX4-12 (1/2" x 1/2" Square Drive, 12" Length)

Patent Issued

Part No.	Length		Weight	
	in.	mm	oz.	kg
3/8" Drive				
PX3-4	4	102	3.6	.10
PX3-6	6	152	5.4	.15
PX3-8	8	203	7.1	.20
PX3-10	10	254	8.9	.25
PX3-12	12	305	10.7	.30
1/2" Drive				
PX4-4	4	102	5.6	.16
PX4-6	6	152	8.4	.24
PX4-8	8	203	11.1	.31
PX4-10	10	254	13.9	.39
PX4-12	12	305	16.7	.47

Ultralite extensions



PXL3-6 (3/8" x 3/8" Square Drive, 6" Length)



PXL3-8 (3/8" x 3/8" Square Drive, 8" Length)



PXL3-12 (3/8" x 3/8" Square Drive, 12" Length)

Patent Pending

Part No.	Length		Weight	
	in.	mm	oz.	kg
3/8" Drive				
PXL3-6	6	152	4.2	.12
PXL3-8	8	203	5.2	.15
PXL3-10	10	254	6.1	.17
PXL3-12	12	305	7.1	.20
1/2" Drive				
PXL4-6	6	152	6.1	.17
PXL4-8	8	203	7.4	.21
PXL4-10	10	254	8.7	.25
PXL4-12	12	305	9.9	.28

Remote Exhaust Kits



3301

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

Pulse Tool Covers



Part Number	For Use On
3280	FPW-330, 440, 550, 660

TC50IHL



Used with TC50A

TC50HL



Used with TC50A



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

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Impact Wrench Right Angle Head Adapters



Part Number	Square Drive		Used On
	Input	Output	
2330	3/8"	3/8"	4073, 4090, 4093
2331	1/2"	1/2"	4074, 4091, 4093
2332	1/2"	1/2"	4034

Impact Sockets



Size Across Flats	Standard (6-Point)						Magnetic (6-Point)	
	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1/4"	3/8"
1/4"	2608						2608M	
5/16"	2610	3610					2610M	3610M
3/8"	2612	3612	4612				3612M	
7/16"	3614		4614					
1/2"	3616		4616					
9/16"	3618		4818	5618				
5/8"	3620		4620	5620	6620			
11/16"	3622		4622					
3/4"			4624	5624	6624	8624		
13/16"			4626		6626			
7/8"			4628	5628	6628			
15/16"			4630	5630	6630	8630		
1"			4632		6632	8632		
1-1/16"			4634		6634	8634		
1-1/8"			4636	5636	6636	8636		
1-3/16"			4638		6638			
1-1/4"			4640	5640	6640	8640		
1-5/16"					6642	8642		
1-3/8"					6644	8644		

Insert Bit Adapters

Square Drive to 5/16" Female Hex

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



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"

Socket Retaining Pins with "O" Rings



Retaining Pin	"O" Ring	For Use On
34911	14318	3/4" Dr. Sockets 6620-6638
34911	14319	Adaptors 2564, 2565, 2566
34664	14317	3/4" Dr. Sockets 6640-6654
34665	14319	Adaptor 2568, All 1" Dr. Sockets

Square Drive Adapters



Part Number	Female Sq. Drive	Male Sq. Drive
2558	3/8"	1/2"
2559	1/2"	3/8"
2561	1/2"	3/4"
2562	5/8"	1/2"
2563	5/8"	3/4"
2564	3/4"	1/2"
2565	3/4"	5/8"
2566	3/4"	1"
2568	1"	3/4"

Universal Joint

Part No. 2751

3/8" female to 3/8" male square drive



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



Slotted Head Bits With Finders

1/4" Hex Drive



Part Number	Bit Only	Finder Only	Length		Screw Sizes
			in.	mm	
2725	2733	2729	3-3/4	95	4, 5, 6
2726	2735	2729	6-3/4	170	4, 5, 6
2727	2737	2744	3-3/4	95	7, 8
2728	2739	2744	6-3/4	170	7, 8
2499	2740	2745	3-3/4	95	9, 10
2730	2741	2746	3-3/4	95	12
2731	2743	2747	3-7/8	98	12, 14

Slotted Head Bits With Finders

7/16" Hex Drive



Part Number	Bit Only	Length		Screw Sizes
		in.	mm	
2506	2507	3-7/8	98	10, 12
2508	2509	3-7/8	98	12, 14
2510	2511	4-1/8	105	14, 16
2512	2513	4-1/8	105	16, 20
2514	2515	4-1/8	105	20, 22

Magnetic Bit Holder

Part No. 2525

Accepts 1/4" Hex Insert Bits

Bushing Part No. 2497 used with 2525



Bit Holder

Part No. 2526

Accepts 1/4" Hex Insert Bits



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
2588	5/16	1-1/4	32	3
2589	5/16	1-1/4	32	4

Socket Head Insert Bits



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

Slotted Head Insert Bits



Part Number	Bit Size	Length		Point Size
	in.	in.	mm	
2577	1/4	1-1/2	38	4F - 5R
2580	1/4	1-1/2	38	6F - 8R
2581	1/4	1-1/2	38	8F - 10R
2582	1/4	1-1/2	38	10F - 12R
2594	5/16	1-1/2	38	8 - 10
2595	5/16	1-1/2	38	10 - 12
2596	5/16	1-1/2	38	12 - 14
2597	5/16	1-1/2	38	14 - 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



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1/4" Phillips Head Screwdriver Bits



Part Number	Length		Point Size
	in.	mm	
2716	1-15/16	49	1
2717	3-1/2	89	1
2718	1-5/16	49	2
2719	3-1/2	89	2
2720	1-5/16	49	3

1/4" Slotted Head Screwdriver Bits



Part Number	Length		Point Size
	in.	mm	
2733	3-3/4	95	4, 5, 6
2737	3-3/4	95	7, 8
2740	3-3/4	95	9, 10
2741	3-3/4	95	12
2743	3-7/8	98	12, 14

1/4" Socket Head Screwdriver Bits



Part Number	Length		Point Size
	in.	mm	
2722	1-15/16	49	1/8
2780	1-15/16	49	9/64
2723	1-15/16	49	5/32
2724	1-15/16	49	3/16

1/4" Torx Screwdriver Bits



Part Number	Torx Number	Length	
		in.	mm
2934	T10	1-15/16	49
2935	T15	1-15/16	49
2936	T20	1-15/16	49
2937	T25	1-15/16	49
2938	T27	1-15/16	49
2939	T30	1-15/16	49
2940	T40	1-15/16	49

1/4" Robertson Bit Screwdriver Bits



Part Number	Length		Point Size
	in.	mm	
2722	1-15/16	49	1/8
2780	1-15/16	49	9/64
2723	1-15/16	49	5/32
2724	1-15/16	49	3/16

7/16" Phillips Head Screwdriver Bits



Part Number	Length			Point Size	
	in.	mm			
2522	3-1/2	89	1/4	6	2
2523	3-1/2	89	5/16	8	3
2524	3-1/2	89	3/8	10	4

7/16" Slotted Head Screwdriver Bits



Part Number	Length		Point Size
	in.	mm	
2509	3-7/8	98	12, 14
2511	4-1/8	105	14, 16
2513	4-1/8	105	16, 20

7/16" Socket Head Screwdriver Bits



Part Number	Length		Point Size
	in.	mm	
2500	3-1/2	89	3/16"
2501	3-1/2	89	7/32"
2502	3-1/2	89	1/4"
2503	3-1/2	89	5/16"
2504	3-1/2	89	3/8"
2505	3-1/2	89	1/2"

33 Piece Power Bit Set

Part No. 2974

Kit Contains:

- 1pc - Stainless Steel Magnetic Bit Holder
- 4pc - Phillips Bit: #0 #1 #2 #3
- 4pc - Pozi Bit: #0 #1 #2 #3
- 3pc - Square Bit: #0 #1 #2
- 7pc - Tamper-Proof Star Bit: T10 T15 T20 T25 T27 T30 T40
- 6pc - Slotted Bit: 1/8" 5/32" 3/16" 7/32" 1/4" 9/32"
- 8pc - Hex Bit: 5/64" 3/32" 7/64" 1/8" 5/32" 3/16" 7/32" 1/4"



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

ABRASIVE



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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.



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.

Industrial Grinders

Sioux has a great selection of inline and right angle grinders with collet sizes from 1/8" (3 mm) to 1/4" (6 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.

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

Over Speeding Wheels can explode. Check the speed rating of the accessory or the speed printed on the wheel. This speed must be greater than the name plate speed of the grinder/ sander and the





actual speed of the grinder / sander as measured with a tachometer.

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

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

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

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

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

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

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

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

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



DRILLS

STRAIGHT DIE GRINDERS

Performance:

Power: 0.33 hp (0.25 kw) - 1.5 hp (1.1 kw)
 Speed: 18,000 rpm - 25,000 rpm
 Collet Size: 1/8" - 3/8"



1954HP

ASSEMBLY

Features:

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



1956HPEXT

ABRASIVE



RT1985



FINISHING

Model Number		Free Speed	Weight		Length		Sound Level	Air Consumption		Collet Size	Exhaust
Sioux	Erickson	rpm	lb	kg	in.	mm	dB(A)	cfm	l/s		
0.33 hp (0.25 kw) - Lever Throttle											
1DS111	1DS111	25,000	0.9	0.4	6.0	150	84	17	8	1/4"	Front
1DS121		25,000	0.9	0.4	6.0	150	78	17	8	1/4"	Rear
0.75 hp (0.55 kw) - Lever Throttle											
1953HP		23,000	1.4	0.6	6.5	165	82	30	14	1/4"	Front
1954HP		23,000	1.4	0.6	6.5	165	82	30	14	1/4"	Front
1955HP		23,000	1.4	0.6	6.5	165	82	30	14	3/8"	Front
1962		23,000	1.9	0.9	7.8	198	85	30	14	1/4"	Rear
1956HP		18,000	1.4	0.6	6.5	165	84	30	14	1/4"	Front
2L1940		18,000	2.0	0.9	9.1	231	82	30	14	1/4"	Rear
0.75 hp (0.55 kw) - Lever Throttle - Extended											
1954HPEXT		23,000	2.0	0.9	11.6	294	82	30	14	1/4"	Front
1955HPEXT		23,000	2.0	0.9	11.6	294	82	30	14	3/8"	Front
1956HPEXT		18,000	2.0	0.9	11.6	294	84	30	14	1/4"	Front
1.5 hp (1.1 kw) - Twist Throttle											
RT1985 ¹		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

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General:
 Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts list, Safety and Instruction manual
 Collet & Wrenches
 Collet Guard (1DS Series)

Accessories:
 Grinder Accessories, see pages 75-76

To order tools with 3 mm or 6 mm collet, add M3 or M6 suffix to model number
¹Not CE Certified



RIGHT ANGLE DIE GRINDERS

Performance:

Power: 0.33 hp (0.25 kw) - 0.80 hp (0.60 kw)

Speed: 12,000 rpm - 20,000 rpm

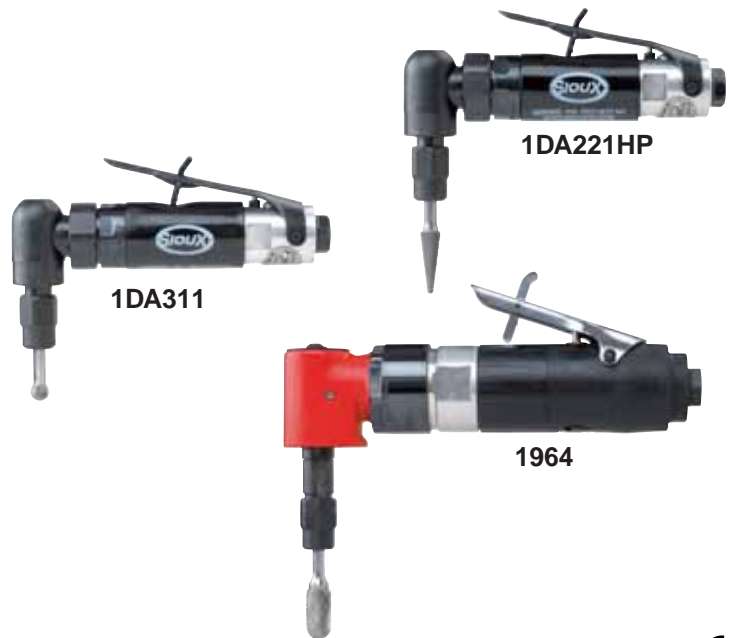
Collet Size: 1/4"

Features:

Lockoff Lever

Front & Rear Exhaust

Built-in Speed Control



Model Number	Free Speed	Weight		Length		Sound Level dB(A)	Air Consumption		Collet Size	Exhaust
	rpm	lb	kg	in.	mm		cfm	l/s		
0.33 hp (0.25 kw) - Lever Throttle										
1DA211	20,000	1.2	0.5	6.0	152	87	17	8	1/4"	Front
1DA221HP	20,000	1.2	0.5	6.0	152	82	17	8	1/4"	Rear
1DA311	12,000	1.2	0.5	6.0	152	87	17	8	1/4"	Front
1DA321	12,000	1.2	0.5	6.0	152	82	17	8	1/4"	Rear
0.80 hp (0.60 kw) - Lever Throttle										
1964	18,000	2.3	1.0	8.0	203	85	32	15	1/4"	Rear
AG1963	12,000	2.3	1.0	8.0	203	85	32	15	1/4"	Rear

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Collet & Wrenches

Accessories:

Grinder Accessories, see pages 75-76

To order tools with 3 mm or 6 mm collet, add M3 or M6 suffix to model number



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

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ACCESSORIES

RIGHT ANGLE TYPE 27 WHEEL GRINDERS

Performance:

Power: 0.80 hp (0.60 kw) - 1.0 hp (0.75 kw)
 Speed: 6000 rpm - 18,000 rpm
 Wheel Capacity: 3" (75 mm) - 7" (175 mm) diameter



1968

Features:

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



1285L

Model Number	Free Speed	Wheel Capacity		Weight		Length		Sound Level dB(A)	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm		cfm	l/s	cfm	l/s	
0.80 hp (0.60 kw) - Lockoff Lever Throttle													
1966	18,000	3	75	2.6	1.2	8.0	203	85	25	12	32	15	3/8"-24
1967	12,000	4	100	2.8	1.3	8.0	203	85	25	12	32	15	3/8"-24
1968	12,000	4 1/2	115	2.8	1.3	8.0	203	85	25	12	32	15	5/8"-11
1.0 hp (0.75 kw) - Governed Speed - Lockoff Lever Throttle													
1285L	6000	7	175	6.9	3.1	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
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 Spindle Wrenches
 Wheel Guard
 Support Handle
 Mounting Flange & Nut

Accessories:

Grinder Accessories, see pages 75-76

SAFETY Precaution: Read and follow all safety and operating instructions.

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



VERTICAL TYPE 27 WHEEL GRINDERS

Performance:

Power: 1.0 hp (0.75 kw) - 3.0 hp (2.2 kw)

Speed: 5000 rpm - 6000 rpm

Wheel Capacity: 7" (175 mm) - 9" (230 mm) diameter

Features:

Governed & Non-governed

Lockoff Lever & Thumb Throttle

Side Exhaust

Overspeed Shutoff Protection (V series)



1291



VG20AL-60D7



HG30AL-60S6



HG30AL-80P3



Model Number	Free Speed	Wheel Capacity		Weight		Height		Sound Level dB(A)	Air Consumption Under Load		Air Consumption Free Speed		Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm		cfm	l/s	cfm	l/s	
1.0 hp (0.75 kw) - Non-Governed Speed - Lever Throttle													
1291L	6000	7	175	5	2.3	7.2	183	80	38	18	30	14	5/8"-11
1.0 hp (0.75 kw) - Non-Governed Speed - Thumb Throttle													
1291	5000	7	175	5	2.3	7.2	183	80	38	18	30	14	5/8"-11
2.0 hp (1.5 kw) - Class Vertical Grinders													
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
VG20AL-60C6	6000	6	150	7.4	3.3	5.5	145	85	75	35	26	12	5/8"-11
2.0 hp (1.5 kw) - Class Horizontal Grinders													
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
3.0 hp (2.2 kw) - Class Vertical Grinders													
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
VG30AL-60C6	6000	6	150	9.5	4.3	6.4	165	84	90	42	39	18	5/8"-11
3.0 hp (2.2 kw) - Class Horizontal Grinders													
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 (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
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 Spindle Wrenches
 Wheel Guard
 Mounting Flange & Nut

Accessories:

Grinder Accessories, see pages 75-76



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

MATERIAL REMOVAL TOOL

Performance:

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

Features:

Removable Support Handle
 Lockoff Lever
 Planetary Gear for increased torque



ST2L1410

ASSEMBLY

ABRASIVE



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

FINISHING

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 pages 76

PERCUSSIVE

SPECIALTY

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Mounting Accessories

3" & 4" Type 27 Depressed Center Wheel
For use on 1966, 1967 grinders (3/8"-24 thread spindle)



Part Number	Description
54958	Flange Adaptor
54959	Retainer
35545	Spanner Wrench
30505	Open End Wrench

Mounting Accessories

7" Type 27 Depressed Center Wheel
For 5/8"-11 threaded spindles



Part Number	Description
510	Flange Adaptor Kit
25894	Washers
512	Flange Nut
30110	3/8" Hex Wrench

Remote Exhaust Kit



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

Mounting Accessories

4-1/2" Type 27 Depressed Center Wheel
For use on 1968 grinder (5/8"-11 threaded spindle)



Part Number	Description
65747	Flange Adaptor
65748	Flange Nut
65981	Spanner Wrench
30505	Open End Wrench

DRILLS

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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

Collets

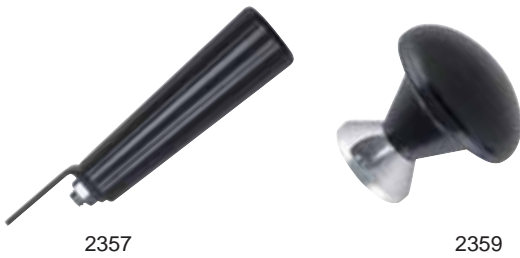


Style	Capacity	Part Number	For Use On
Sioux	1/8"	44522	1DA, 1954HP, 1956HP, 1962, 1963, 1964, 2L1940
	3/16"	44523	
	1/4"	44440	
	3mm	66037 1DS,	
	6mm	66038	
200 Series	1/8"	21102	
	3/16"	21101	
	1/4"	21100	
	3/8"	68030	
100 Series	1/4"	21126	
	3/8"	21125	
	1/2"	21124	

ASSEMBLY

ABRASIVE

Support Handles

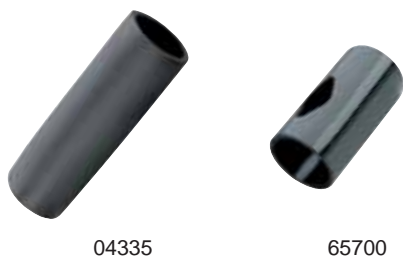


Part Number	Description	For Use On
2357	Support handle	1960 series
2359	Knob handle	1960 series
63349	Support handle	1200 series

FINISHING

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Comfort Grips



Part Number	For Use On
65700	Comfort Grip 1DS series
04335	Comfort Grip 1950 Extended series

SPECIALTY

ACCESSORIES

Wheel Guards



Part Number	Wheel Type	Wheel Diameter		For Use On
		in.	mm	
2346	27	3	75	1966
2347	27	4	100	1967
2341	27	4-1/2	115	1968
2321	27	7	180	1285, 1285L
2336	27	7	180	1291, 1291L
63161	27	7	180	V series
63162	27	9	230	V series
63160	6 & 11	6	150	V series

Belts and Erasers



Course Belt 68814

Eraser 68815

Fine Belt 68813

SAFETY Precaution: Read and follow all safety and operating instructions.

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





FINISHING



FINISHING



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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 and jitterbug sanders. Many of these come with your choice of throttle controls that allow the operator to work the way that's most comfortable.



Finishing Safety

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

A grinding wheel that bursts can cause injury or



death. Never mount a grinding wheel or a cutoff wheel on a sander or polisher.

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

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

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

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

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

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

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

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

DRILLS

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SIGNATURE SERIES RANDOM ORBITAL SANDERS

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 and Remote Vacuum



RO2512-50SNP



RO2512-50SRP



RO2512-50FVP



Model Number	Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption		Sound Level
	rpm	in.	mm	in.	mm	lb	kg	in.	mm	cfm	l/s	dB(A)
.025 hp (0.19 kw) - 5/16"-24 Spindle Thread-Non-Vacuum												
RO2512-30FNP	12,000	3	75	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-30SNP	12,000	3	75	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-35FNP	12,000	3.5	90	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-35SNP	12,000	3.5	90	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-50FNP	12,000	5	125	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-50SNP	12,000	5	125	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-50CNP	12,000	5	125	3/8	10	1.5	0.7	3.26	83	13	6	81
RO2512-60FNP	12,000	6	150	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-60SNP	12,000	6	150	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-60CNP	12,000	6	150	3/8	10	1.5	0.7	3.26	83	13	6	81
.025 hp (0.19 kw) - 5/16"-24 Spindle Thread-Remote-Vacuum												
RO2512-30FRP	12,000	3	75	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-30SRP	12,000	3	75	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-35FRP	12,000	3.5	90	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-35SRP	12,000	3.5	90	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-50FRP	12,000	5	125	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-50SRP	12,000	5	125	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-50CRP	12,000	5	125	3/8	10	1.5	0.7	3.26	83	13	6	81
RO2512-60FRP	12,000	6	150	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-60SRP	12,000	6	150	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-60CRP	12,000	6	150	3/8	10	1.5	0.7	3.26	83	13	6	81
.025 hp (0.19 kw) - 5/16"-24 Spindle Thread-Venturi-Vacuum												
RO2512-30FVP	12,000	3	75	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-30SVP	12,000	3	75	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-35FVP	12,000	3.5	90	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-35SVP	12,000	3.5	90	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-50FVP	12,000	5	125	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-50SVP	12,000	5	125	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-50CVP	12,000	5	125	3/8	10	1.5	0.7	3.26	83	13	6	81
RO2512-60FVP	12,000	6	150	3/32	3	1.5	0.7	3.26	83	13	6	81
RO2512-60SVP	12,000	6	150	3/16	5	1.5	0.7	3.26	83	13	6	81
RO2512-60CVP	12,000	6	150	3/8	10	1.5	0.7	3.26	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
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 Comfort Grip
 Backing Pad & Wrench

Accessories:

Sander Accessories, see pages 89-91

Hook and loop pad options available by replacing the letter "P" in the part number with an "H" (Example: RO2512-50FNH).



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 AND 700 SERIES RANDOM ORBITAL SANDERS

Performance:

Power: 0.40 hp (0.30 kw)

Speed: 10,000 rpm

Features:

3/16" (5 mm) Orbit Diameter

Built-in Speed Control

Aluminum Housing

Palm and Lever Throttle

Composite Rotor & End Plate (700 series)



658



Model Number		Free Speed	Pad Size		Orbit Diameter		Weight		Height		Air Consumption Free Speed		Sound Level
PSA Pad ²	H & L Pad ³	rpm	in.	mm	in.	mm	lb	kg	in.	mm	cfm	l/s	dB(A)
0.40 hp (0.30 kw) - Palm Throttle													
PS690 ¹		10,000	5	125	3/16	5	2.9	1.3	4.2	107	20	9	85
697 ¹		10,000	6	150	3/16	5	2.9	1.3	4.2	107	20	9	85
0.40 hp (0.30 kw) - Dual Action - Lever Throttle													
658 ¹		10,000	5	125	3/16	5	3.2	1.5	4.2	107	20	9	85

General:

Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 Comfort Grip (790 series)
 Pad & Wrench

Accessories:

Sander Accessories, see pages 89-91

For remote vacuum ready add suffix V

¹ Not CE Certified

² PSA (Pressure Sensitive Adhesive)

³ H & L (Hook and Loop)



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

ASSEMBLY

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PISTOL GRIP SANDERS

Performance:

Power: 0.90 hp (0.67 kw)

Speed: 14,000 rpm - 20,000 rpm

Features:

Trigger Start

Down-handle Exhaust

Comfort Grip



Model Number	Free Speed	Weight		Length		Air Consumption Free Speed		Sound Level
	rpm	lb	kg	in.	mm	cfm	l/s	dB(A)
0.90 hp (0.67 kw) - 5" (125 mm) Diameter Backing Pad								
540ESS	14,000	1.7	0.8	4.4	112	30	14	77
0.90 hp (0.67 kw) - 1/4" Collet								
540ESC	20,000	1.7	0.8	4.4	112	30	14	77
540ESSC	14,000	1.7	0.8	4.4	112	30	14	77

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request</p> <p>Standard Equipment: Parts list, Safety and Instruction manual Comfort Grip 3" (75 mm) & 5" (125 mm) Backing Disc (ES series) Retaining Nut & Wrench (ES series) Collet & Wrench (ESC series)</p>	<p>Accessories: Sander Accessories, see pages 89-91</p>
---	---

To order tool with 6 mm collet add M6 suffix to model number

DRILLS

ASSEMBLY

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1/3 HP RIGHT ANGLE SANDERS

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



1DA211



Model Number	Free Speed rpm	Weight		Length		Air Consumption Free Speed		Sound Level dB(A)	Exhaust
		lb	kg	in.	mm	cfm	l/s		
0.33 hp (0.25 kw) - 1/4" Collet									
1DA211	20,000	1.2	0.5	6.0	152	17	8	87	Front
1DA221HP	20,000	1.2	0.5	6.0	152	17	8	82	Rear
1DA311	12,000	1.2	0.5	6.0	152	17	8	87	Front
1DA321	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

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip

Collet & Collet Wrenches (as required)

Angle Head Lubricant

Accessories:

Sander Accessories, see pages 89-91

To order tool with 6 mm collet, add M6 suffix to model number



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

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RIGHT ANGLE SANDERS

Performance:

Power: 0.80 hp (0.60 kw) - 1.0 hp (0.75 kw)
 Speed: 6000 rpm - 12,000 rpm

Features:

Governed & Non-governed
 Lockoff Lever & Thumb Throttle
 Spindle Lock (1280 series)



1965



1287L

Model Number	Free Speed	Pad Diameter		Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level dB(A)	Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm	cfm	l/s	cfm	l/s		
0.80 hp (0.60 kw) - Lockoff Lever Throttle - Rear Exhaust													
1965	12,000	5	125	2.4	1.1	8.0	203	25	12	32	15	85	3/8"-24
1965-5/8	12,000	5	125	2.4	1.1	8.0	203	25	12	32	15	85	5/8"-11
1.0 hp (0.75 kw) - Governed Speed Control - Lockoff Lever Throttle													
1287L ¹	6000	7	175	5.9	2.7	11.3	287	35	17	18	8	85	5/8"-11

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request Standard Equipment: Parts list, Safety and Instruction manual Spindle Wrench (1965 series) Support Handle Backing Pad & Nut</p>	<p>Accessories: Sander Accessories, see pages 89-91</p>
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¹ Not CE Certified

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: 1.0 hp (0.75 kw)

Speed: 5000 rpm - 6000 rpm

Features:

Governed & Non-governed

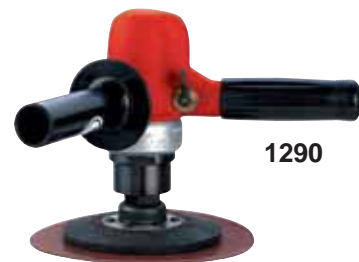
Lever & Thumb Throttle

Side Exhaust

Overspeed Shutoff Protection (V series)



1290L



1290



VS20AL-727

CE

Model Number	Free Speed	Pad Diameter		Weight		Height		Air Consumption Under Load		Air Consumption Free Speed		Sound Level	Spindle Thread
	rpm	in.	mm	lb	kg	in.	mm	cfm	l/s	cfm	l/s	dB(A)	
1.0 hp (0.75 kw) - Thumb Throttle													
1290	5000	7	175	4.1	1.9	7.2	183	30	14	38	18	80	5/8"-11
1.0 hp (0.75 kw) - Lever Throttle													
1290L	6000	7	175	4.1	1.9	7.2	183	30	14	38	18	80	5/8"-11
VS20AL-609	6000	9	230	7.4	3.3	5.5	145	75	35	26	12	85	5/8"-11
VS20AL-727	7200	7	175	7.4	3.3	5.5	145	75	35	26	12	85	5/8"-11

General:

Air Inlet Size: 1/4" NPT (1290 series); 1/2" NPT (V series)

Recommended Hose Size: 3/8" (10 mm) (1290 series)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Spindle Wrenches

Backing Pad & Nut

Accessories:

Sander Accessories, see pages 89-91



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

STRAIGHT SANDERS

Performance:

Power: 0.6 hp (0.25 kw)
Speed: 1600 rpm - 3350 rpm

Features:

Lockoff Lever Throttle
Rear Exhaust
Support Handle



2L1300AP

Inflatable drum
sold separately

2L1600AP38

Flapper wheel
not included

Model Number	Free Speed rpm	Weight		Length		Air Consumption Under Load		Air Consumption Free Speed		Sound Level dB(A)
		lb	kg	in.	mm	cfm	l/s	cfm	l/s	
0.60 hp (0.25 kw) - 1/2"-13 Spindle Thread										
2L1300AP	3350	2.3	1.0	6.0	152	21	10	28	13	82
0.60 hp (0.25 kw) - 3/8"-24 Spindle Thread										
2L1600AP38	2600	2.3	1.0	6.0	152	21	10	28	13	82

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request</p>	<p>Standard Equipment: Parts list, Safety and Instruction manual Support Handle Mounting Washers & Nut Accessories: Sander Accessories, see pages 89-91</p>
---	---



RIGHT ANGLE POLISHERS

Performance:

Power: 1.0 hp (0.75 kw)

Speed: 3000 rpm

Features:

Governed Speed Control

Lockoff Lever & Thumb Throttle

Spindle Lock

Remote Exhaust



1238L

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

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Remote Exhaust

Support Handle

Backing Pad & Nut

Wool Polishing Pad

Accessories:

Polisher Accessories, see pages 89-91

¹ Weight includes pad & holder



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

VERTICAL POLISHERS

Performance:

Power: 1.0 hp (0.75 kw)
 Speed: 2000 rpm - 3000 rpm

Features:

Lever & Thumb Throttle
 Side Exhaust
 Comfort Grips



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

<p>General: Air Inlet Size: 1/4" NPT Recommended Hose Size: 3/8" (10 mm) Performance rated @ 90 psig (6.2 bar) air pressure Tools available with BSPT air inlet upon request</p> <p>Standard Equipment: Parts list, Safety and Instruction manual Spindle Wrenches Backing Pad & Nut Polishing Pad</p>	<p>Accessories: Polisher Accessories, see pages 89-91</p>
--	---

¹ Weight includes pad & holder



Spindle Adapter Kits

For use on 2L series straight sanders



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

Includes spindle adaptor, washers, and nut

Comfort Grips



Part Number	Description	For Use On
68055	Cushion Grip	890, 897 series
66667	Cushion Grip	790 series

Support Handle

Part No. 2362

For use on 2L series straight sanders



Support Handle

Part No. 2359

For use on 1965, 1965-5/8"



Support Handle

Part No. 2357

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



Inflatable Sanding Drum

Part No. 504

For use on 2L series straight sanders



3-1/2" x 5" Abrasive Belts

For use on 2L series straight sanders



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

Speed-Lok Backing Pads

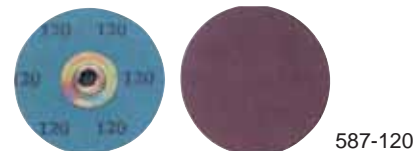
For use on 1DA series, 540ESC series sanders



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

Speed-Lok Abrasive Discs

For use on 1DA series, 540ESC series sanders



Part Number	Diameter		Grit
	in.	mm	
587-60	2	50	60
587-120	2	50	80
588-60	3	75	60
588-120	3	75	120



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

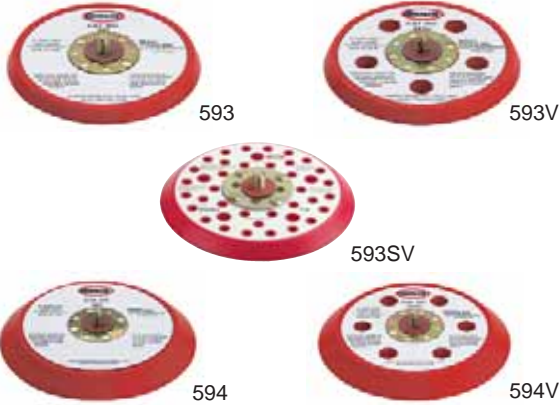
SPECIALTY

ACCESSORIES

Orbital Sander Backing Pads

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

5/16" - 24 Spindle Thread

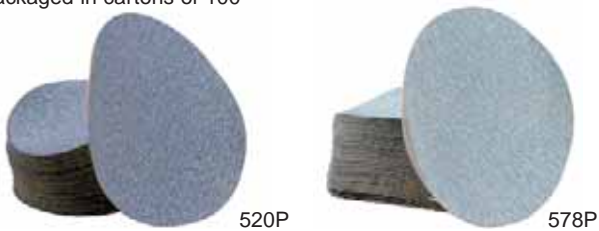


Part Number	Diameter		Backing	Profile	Style
	in.	mm			
593	5	125	PSA ¹	Low	Non-Vac
593V	5	125	PSA ¹	Low	Vacuum
593J	5	125	H&L ²	Low	Non-Vac
593JV	5	125	H&L ²	Low	Vacuum
593SV	5	125	PSA ¹	Low	Screen Vac
594	6	150	PSA ¹	Tapered	Non-Vac
594V	6	150	PSA ¹	Tapered	Vacuum
594J	6	150	H&L ²	Tapered	Non-Vac
594JV	6	150	H&L ²	Tapered	Vacuum
594SV	5	125	PSA ¹	Low	Screen Vac

¹PSA - Vinyl face for pressure sensitive adhesive sanding discs
²H&L - Hook and loop face

Pressure Sensitive Adhesive Discs

For use on 690, 790, 890 series sanders
 Packaged in cartons of 100



Part Number	Diameter		Grit	Features
	in.	mm		
519P	5	125	240	
520P	5	125	180	
521P	5	125	100	
519PV	5	125	240	Vacuum pickup holes
520PV	5	125	180	Vacuum pickup holes
521PV	5	125	100	Vacuum pickup holes
577P	6	150	240	
578P	6	150	180	
579P	6	150	100	
577PV	6	150	240	Vacuum pickup holes
578PV	6	150	180	Vacuum pickup holes
579PV	6	150	100	Vacuum pickup holes

7" (175 mm) Sanding Kits

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



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

Fibre Backing Discs

Part No. 586

For use on 540ESS series sander
 Packaged in cartons of 6
 Qty 3 - 3" (75 mm)
 Qty 3 - 4-1/2" (110 mm)



Backing Pads

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



Part Number	Diameter		For Use On
	in.	mm	
2344*	5	125	1965
2364*	5	125	1965-5/8

* Includes disc nut 563

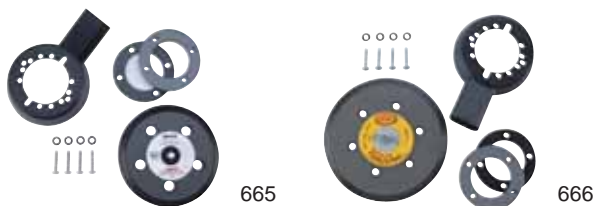
SAFETY Precaution: Read and follow all safety and operating instructions.



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

Vacuum Hose Assembly

Part No. 855

For use on 1DA series venturi-vac



Cloth Vacuum Bag

Part No. 911A

For use on 1DA series Venturi-Vac, 690V, 697V, 790V, 797V, 890HPVV, 897HPVV



Disposable Vacuum Bag

Part No. 912

For use on 1DA series Venturi-Vac, 690V, 697V, 790V, 797V, 890HPVV, 897HPVV



Vacuum Hose Assembly

Part No. 894

For use on 690V, 790V, 890HPV, 897HPV

Includes 895 hose cuff

Size: 1-1/4" (32 mm) x 12' (3.6 m)



Vacuum Hose Assembly

Part No. 853

For use on 690VV, 790VV, 890HPVV, 897HPVV

Length: 6' (1.8 m)



Remote Exhaust Kit

For use on 1DA and 1DS series



Part Number	Description
3304	Remote Exhaust Kit

Remote Vacuum Conversion Kit

For use on 1DA series sanders



Part Number	Diameter	
	in.	mm
856-2	2	50
856-3	3	75

Polishing Accessories



Part Number	Description	For Use On
846C*	Backing pad (includes 524)	
1211*	Wool polishing pad	
524*	Retaining nut	
847	Hook & loop backing pad	1238, 1238L,
1220	Hook & loop polishing pad	1292, 1292L
843T	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

DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES





PERCUSSIVE

PERCUSSIVE



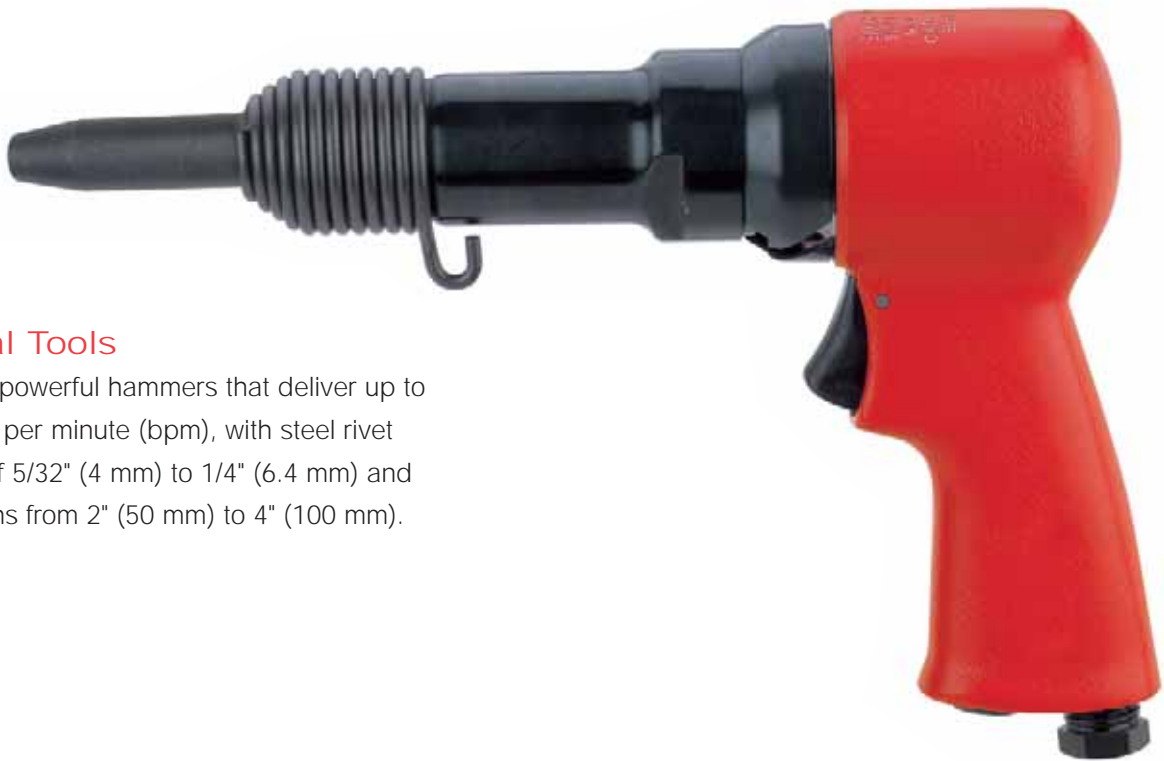
Index

Scalers	96-98
Hammers	99-100
Percussive Accessories	101-103



Hammering Home A Point

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



Industrial Tools

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



Percussive Safety

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



DRILLS

SQUARE SHANK SCALERS

Performance:

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



SC41011AL-C

ASSEMBLY

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

Features:

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



SC41011AU-N5

ABRASIVE



Square Shank

FINISHING



Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side to Center		Air Consumption	
	in.	mm	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s
Chisel Scaler - Lever Throttle													
SC41011AL-C	1.1	28	1.0	25	4600	4.6	2.1	10.5	263	0.9	23	12.0	5.7
Chisel Scaler - Push/Pull Throttle													
SC41011AU-C	1.1	28	1.0	25	4600	4.6	2.1	12.0	300	0.9	23	12.0	5.7
Needle Scaler - Lever Throttle													
SC41011AL-N5	1.1	28	1.0	25	4600	6.3	2.9	15.3	383	1.0	25	12.0	5.7
Needle Scaler - Push/Pull Throttle													
SC41011AU-N5	1.1	28	1.0	25	4600	6.3	2.9	16.8	420	1.0	25	12.0	5.7

PERCUSSIVE

General:
 Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Accessories:
 Scaler Accessories, see page 102

Standard Equipment:
 Parts list, Safety and Instruction manual
 7" flat chisel (chisel scalers)
 5" scaler needles (needle scalers)

SPECIALTY

ACCESSORIES

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

Performance:

Stroke: 1" (25 mm)
 Bore: 15/16" (23 mm)
 Blows per Minute: 4300

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

Features:

Lever Throttle
 Quick Release Retainer
 Adjustable Needle Length



SC80910AL-C



SC80910AL-N5



Octagon Shank



Model Number	Stroke Length		Bore Diameter		Blows per Minute	Weight		Length		Side to Center		Air Consumption	
	in.	mm	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s
Chisel Scaler - Octagon Shank - Lever Throttle													
SC80910AL-C	1.0	25	15/16	23	4300	4.0	1.7	15.0	375	0.8	20	12.0	5.7
Needle Scaler - Octagon Shank - Lever Throttle													
SC80910AL-N5	1.0	25	15/16	23	4300	6.2	2.7	17.0	425	0.9	23	12.0	5.7

General:

Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 7" flat chisel (chisel scalers)
 5" scaler needles (needle scalers)

Accessories:

Scaler Accessories, see page 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



DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

PISTON SCALERS

Performance:

Stroke: 13/16" (21 mm)

Bore: 1.0" (25 mm)

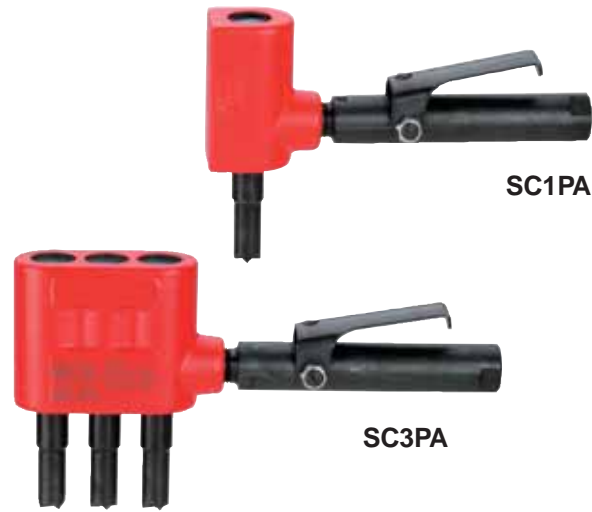
Blows Per Minute: 4000 - 5200

Features:

Removable Side Handle (SC3 series)

Lever Operated Handle

Rugged Steel Body



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	
Single Piston Scaler														
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
Triple Piston Scaler														
SC3PA	13/16	21	1.0	25	5200	8.25	3.75	11.0	280	7/8	22	15	7	Steel
SC3PA-C	13/16	21	1.0	25	5200	8.25	3.75	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

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)

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



HAMMERS

Performance:

Rivet Capacity: 5/32" (4.0 mm) - 1/4" (6.4 mm)

Stroke: 2.0" (50 mm) - 4.0" (100 mm)

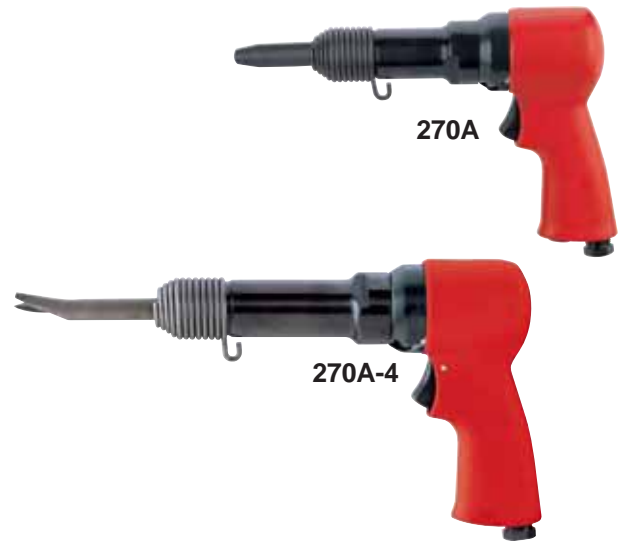
Bore: 0.6" (15 mm)

Features:

Pistol Grip

Teasing Throttle Trigger Start

Accepts .401 Parker Taper Rivet Sets and Chisels



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	3.8
270A	3/16	4.8	3.0	75	0.6	15	2000	3.2	1.5	6.8	173	1.1	28	8.0	3.8
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	3.8

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Beehive Retainer

Accessories:

Hammer Accessories, see page 103



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

FOUR BOLT CHIPPING HAMMERS

Performance:

Stroke: 2.0" (50 mm) - 4.0" (100 mm)

Bore: 1-1/8" (29 mm)



CH43A-R

Features:

Round front end bushing
or hex front end bushing



Model Number	Bore		Stroke		Blows per Minute	Weight		Length		Side to Center		Air Consumption	
	in.	mm	in.	mm		lb	kg	in.	mm	in.	mm	cfm	l/s
Four Bolt Chipping Hammer - Round Front End Bushing													
CH42A-R	1-1/8	29	2.0	50	2100	18	8.0	14.5	370	1-5/8	41	33	15.6
CH43A-R	1-1/8	29	3.0	75	1650	19	8.6	15.5	395	1-5/8	41	34	16.0
CH44A-R	1-1/8	29	4.0	100	1375	20	9.0	16.5	420	1-5/8	41	35	16.5
Four Bolt Chipping Hammer - Hex Front End Bushing													
CH42A-H	1-1/8	29	2.0	50	2100	18	8.0	14.5	370	1-5/8	41	33	15.6
CH43A-H	1-1/8	29	3.0	75	1650	19	8.6	15.5	395	1-5/8	41	34	16.0
CH44A-H	1-1/8	29	4.0	100	1375	20	9.0	16.5	420	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
Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Accessories:

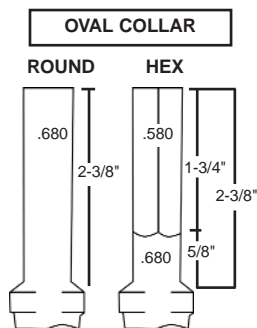
Four Bolt Chipper Accessories, see page 101



Four Bolt Chipper Accessories



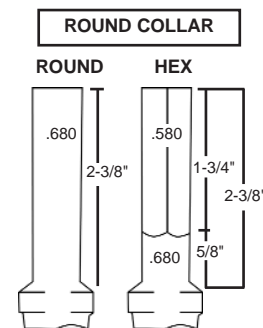
Part Number	Description
2476-8	Blank, 8", Oval Collar, Rd Shank
2477-8	Blank, 8", Oval Collar, Hex Shank
2478-8	Blank, 8", Rd Collar, Rd Shank
2479-8	Blank, 8", Rd Collar, Hex Shank
2476-11B	Blank, 11", Oval Collar, Rd Shank
2477-11	Blank, 11", Oval Collar, Hex Shank
2478-11	Blank, 11", RD Collar, Rd 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
2482-24	Chisel, 24", Rd Collar, Rd Shank
2483-24	Chisel, 24", Rd Collar, Hex Shank
2484-9	Moil Point, 9", Oval Collar, Rd Shank
2485-9	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
2487-24	Moil Point, 24", Rd Collar, Hex Shank



Four Bolt Chipper Accessories



Part Number	Description
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
2495-9	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



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

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Scaler Accessories



Square Shank

Octagon Shank



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
2260	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

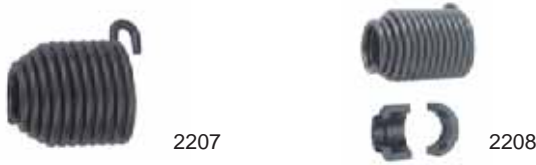
- SC8 Needle Scaler
- Additional Set of needles
- 5/8" x 7" Flat Chisel
- 1-3/8" x 7" Flat Chisel
- 1-3/8" x 7" Spoon Chisel
- Custom Carrying Case

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



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 Packer Taper Shank



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

3 1/2" (90mm) overall length

Hammer Accessories

.401 Parker Taper Shank



Part Number	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
2210	Punch			5	127
2217	Rust Breaker			5 1/4	135
2212	Spot Weld Breaker			6	150
2213	Splitter			8	200
2214	Edging Chisel			5	140
2215	Blank Chisel			6	150
2216	Fork Chisel			6 7/8	175
2218	Bushing Cutter			7	175
2220	Bushing Chisel	1 5/8	40	7	175
2219	Bushing Driver			4 1/2	115

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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

SPECIALTY



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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 0.75 hp (0.56 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. The inline models offer a B12 taper spindle.

Metalworking Tools

Nibbler

Our 0.75 hp (0.56 kw) nibbler has the power for use on cold rolled sheet steel up to 18 gauge.





Shears

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

Aircraft Specialty Tools

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

Clinch Nut Tools

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

Air Powered Saws

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



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ROUTERS

Performance:

Power: 0.75 hp (0.56 kw)
 Speed: 18,000 rpm - 23,000 rpm
 Collet Size: 1/4" - 6 mm

Features:

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



Model Number	Collet Size	Free Speed	Weight		Height		Base Diameter		Air Consumption		Sound Level
		rpm	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
1971HP	1/4"	23,000	2.8	1.3	8.5	215	3.5	90	27	13	82
1971HPB	1/4"	23,000	2.8	1.3	6.5	165	3.0	75	27	13	82
1971HPD	1/4"	23,000	2.8	1.3	6.5	165	4.0	100	27	13	82
Template Head - Lockoff Lever		See Template Guide Chart on page 131									
RT8AKS-18N	1/4" / 6 mm	18,000	1.8	0.8	7.4	190			27	13	84
RT8AKS-23N	1/4" / 6 mm	23,000	1.8	0.8	7.4	190			27	13	84

General:
 Air Inlet Size: 1/4" NPT
 Recommended hose size: 3/8" (10 mm)
 Tool performance rated at 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request
Standard Equipment:
 Parts list, Safety and Instruction manual
 Base/Head Assembly, Collet, Collet Wrenches

Accessories:
 Router Accessories, see pages 130-131

Template guides must be ordered separately.
 Tools are shipped standard with Sioux collet.

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

Performance:

Power: 1.5 hp (1.1 kw)

Speed: 20,000 rpm

Collet Size: 1/4" - 1/2"

Features:

Twist and Finger Throttle

4" (100 mm) or 6" (150 mm) Diameter Base

Side Exhaust



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)
Finger Throttle											
1981F	1/2"	20,000	6.0	2.7	9.8	248	4.0	100	38	18	85
Twist Throttle											
1980A	1/4"	20,000	4.5	2.0	7.6	193	4.0	100	38	18	85
1980	3/8"	20,000	4.5	2.0	7.6	193	4.0	100	38	18	85
1981	1/2"	20,000	4.5	2.0	7.6	193	4.0	100	38	18	85
1982A	1/4"	20,000	7.5	3.4	8.3	211	6.0	150	38	18	85
RT1982	3/8"	20,000	7.5	3.4	8.3	211	6.0	150	38	18	85
RT1983	1/2"	20,000	7.5	3.4	8.3	211	6.0	150	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

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Base & Collet Wrenches

Accessories:

Router Accessories, see pages 130-131



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

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TAPPERS

Performance:

Power: 0.75 hp (0.56 kw) - 0.9 hp (0.7 kw)
 Torque: 115 in. lb (13.0 Nm) - 310 in. lb (35 Nm)
 Speed: 400 rpm - 1200 rpm

Features:

Inline and Pistol Grip Handles
 Rapid Reverse
 B12 Spindle Taper (Inline Models)

Capacity:

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



Model Number	Tap Capacity		Maximum Torque (Soft Joint)		Free Speed rpm	Weight		Length		Air Consumption		Sound Level dB(A)
	in.	mm	in. lb	Nm		lb	kg	in.	mm	cfm	l/s	
0.9 hp (0.7 kw) - Pistol Grip - Trigger Start												
TP9A-4C20	#10-5/16	5-8	310	35	400	2.8	1.3	8.3	211	30	14	78
TP9A-4C32	1/4-1/2	6-13	310	35	400	2.8	1.3	8.3	211	30	14	78
TP9A-4F32	#10-1/2	5-13	310	35	400	2.8	1.3	8.3	211	30	14	78
0.75 hp (0.56 kw) - Inline - B12 Spindle Taper - Lever Start - Rear Exhaust												
2L2500B12			310	35	400	2.7	1.2	9.8	249	30	14	82
2L2100B12			240	27	700	2.7	1.2	9.8	249	30	14	82
2L2200B12			115	13	1200	2.7	1.2	9.8	249	30	14	82

General:
 Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request
 Inline models do not include chuck

Standard Equipment:
 Parts list, Safety and Instruction manual
 Comfort Grip (TP9A series)
 Tapping Chuck (TP9A series)

Accessories:
 Tapper Accessories, see pages 130-131

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



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.

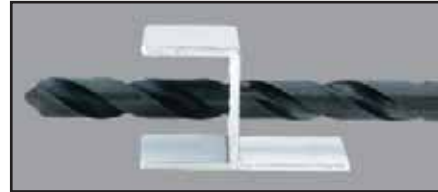
When installing clinch nut fasteners, the key to achieving high productivity with accurate, repeatable results is matching the right tool and fastener to your application. The right combination of rundown speed and stall torque in conjunction with a quick reverse method for disengaging the tool, will provide the best results. The Sioux CN9B 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.

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.

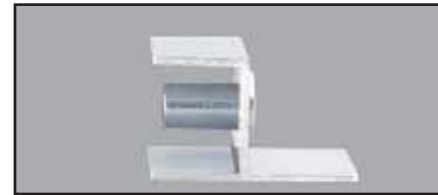
In addition to the CN9BP pistol grip series, Sioux offers the CN9BL series with an inline handle.

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.



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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: 55 in. lb (6 Nm) - 350 in. lb (40 Nm)
 Speed: 400 rpm - 2500 rpm

Features:

Reversible
 Pistol Grip, Inline



Base Model Number	Free Speed rpm	Maximum Torque		Weight		Length		Side To Center		Maximum Air Consumption		Sound Level dB(A)
		in. lb	Nm	lb	kg	in.	mm	in.	mm	scfm	l/s	
Pistol Grip												
CN9P4	400	350	40	3.4	1.6	10.4	265	1.8	145	30	14	78
CN9P7	700	200	23	3.4	1.6	10.4	265	1.8	145	30	14	78
CN9P12	1200	120	14	3.4	1.6	10.4	265	1.8	145	30	14	78
CN9P20	2000	70	8	2.9	1.3	9.0	230	1.8	145	30	14	78
CN9P25	2500	55	6	2.9	1.3	9.0	230	1.8	145	30	14	78
Inline												
CN9L4	400	325	37	3.3	1.5	11.9	300	1.8	145	30	14	78
CN9L7	700	185	21	3.3	1.5	11.9	300	1.8	145	30	14	78
CN9L12	1200	105	12	3.3	1.5	11.9	300	1.8	145	30	14	78
CN9L20	2000	70	8	2.8	1.3	10.7	290	1.8	145	30	14	78
CN9L25	2500	55	6	2.8	1.3	10.7	290	1.8	145	30	14	78

General:
 Air Inlet: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts List, Safety & Instruction Manual
 Comfort Grip (Pistol Grip Models)

Accessories:
 Clinch Nut Accessories, see pages 130-131

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: CN9P-4-420.

Clinch Nut (female)			Clinch Stud (male)		
Thread Size	Order Number Suffix		Thread Size	Order Number Suffix	
	Serrated Nose	Smooth Nose		Serrated Nose	Smooth Nose
#4-40	440	440S	#4-40	440F	440SF
M3 x 0.5	M305	M305S	M3 x 0.5	M305F	M305SF
#6-32	632	632S	#6-32	632F	632SF
#8-32	832	832S	#8-32	832F	832SF
M4 x 0.7	M407	M407S	M4 x 0.7	M407F	M407SF
#10-24	1024	1024S	#10-24	1024F	1024SF
#10-32	1032	1032S	#10-32	1032F	1032SF
M5 x 0.8	M508	M508S	M5 x 0.8	M508F	M508SF
1/4-20	420	420S	1/4-20	420F	420SF
M6 x 1.0	M610	M610S	M6 x 1.0	M610F	M610SF
5/16-18	518	518S	5/16-18	518F	518SF
M8 x 1.25	M8125	M8125S	M8 x 1.25	M8125F	M8125SF
3/8-16	616	616S	3/8-16	616F	616SF
M10 x 1.5	M1015	M1015S	M10 x 1.5	M1015F	M1015SF

Head assemblies can be ordered separately by adding the prefix CNK to the above number, example: CNK-420.

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RIVET SHAVERS

Performance:

Power: 0.75 hp (0.56 kw) - 0.90 hp (0.67 kw)

Speed: 21,000 rpm

Features:

Pistol Grip and Inline



RS9A-210-8



RS9AS-210-8



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	
0.75 hp (0.56 kw) - Pistol Grip - 1/4"-28 Internal Thread												
RS9A-210-5	5/16	8	21,000	3.0	1.4	8.2	208	0.9	23	30	14	78
RS9A-210-6	3/8	9.5	21,000	3.0	1.4	8.2	208	0.9	23	30	14	78
RS9A-210-7	7/16	11	21,000	3.0	1.4	8.2	208	0.9	23	30	14	78
RS9A-210-8	1/2	13	21,000	3.0	1.4	8.2	208	0.9	23	30	14	78
RS9A-210-9	9/16	14	21,000	3.0	1.4	8.2	208	0.9	23	30	14	78
RS9A-210-10	5/8	16	21,000	3.0	1.4	8.2	208	0.9	23	30	14	78
0.90 hp (0.67 kw) - Inline - 1/4"-28 Internal Thread												
RS9AS-210-8	1/2	13	21,000	3.0	1.4	10.2	260	0.9	23	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

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Skirt

Comfort Grip (Pistol Grip Models)

Accessories:

Rivet Shaver Accessories, see pages 130-131



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

SKIN CLAMP RUNNERS

Performance:

Speed: 2200 rpm - 2500 rpm

Features:

Pistol Grip and Z-handle

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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)
Z-Handle										
2S2300SR	2200	2.6	1.2	5.7	145	0.9	23	16	8	75
Pistol Grip										
SR9A-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
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts list, Safety and Instruction manual
 Comfort Grip (Pistol Grip Models)

Accessories:
 Skin Clamp Runner Accessories, see pages 130-131



RECIPROCATING SAW

Performance:

Power: 1.0 hp (0.7 kw)

Strokes per Minute: 1800

Stroke Length: 0.6" (15 mm)

Features:

Lockoff Trigger Start

Variable Speed

Swivel Air Inlet



1300

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

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Swivel Air Inlet

2 Blades

Protective Boot

Accessories:

Reciprocating Saw Accessories, see pages 130-131



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

PANEL SAW AND CUTOFF SAW

Performance:

Power: 0.75 hp (0.56 kw) & 1.0 hp (0.7 kw)
 Free Speed: 1400 rpm - 23,000 rpm
 Depth of Cut: 0.06" (1 mm) - 0.6" (16 mm) (Model 3P1460)



1957HP



Model Number	Blade/Wheel Diameter		Free Speed	Power		Weight		Length		Air Consumption		Sound Level
	in.	mm	rpm	hp	kw	lb	kg	in.	mm	cfm	l/s	dB(A)
1.0 hp (0.7 kw) - Cutoff Saw - Inline - Lockoff lever Start - Front Exhaust												
1957HP	3.0	76	23,000	0.75	0.56	1.6	0.7	6.6	168	28	13	87

General:
 Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts list, Safety and Instruction manual
 3 Blades
 Spindle Wrenches & Guard

Accessories:
 Panel and Cutoff Saw Accessories, see pages 130-131

¹ Not CE Certified



NIBBLER & SHEARS

Performance:

Power: 0.75 hp (0.56 kw) & 0.90 hp (0.67 kw)

Capacity: 18 Gauge Cold Rolled Steel



Model Number	Capacity (Cold Rolled Steel)	Power		Weight		Length		Side To Center		Maximum Air Consumption		Sound Level
		hp	kw	lb	kg	in.	mm	in.	mm	cfm	l/s	dB(A)
Nibbler												
1444HPL ¹	18 Ga	0.75	0.56	2.8	1.3	8.1	206	0.9	23	28	13	85
Shears												
1446ES	18 Ga	0.90	0.67	2.9	1.3	8.0	203	0.9	23	25	12	78
1446HPL ¹	18 Ga	0.75	0.56	2.8	1.3	10.0	254	0.9	23	28	13	85

General:

Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual
 Comfort Grip (1446ES)

Accessories:

Nibbler and Shears Accessories, see pages 130-131

¹ Not CE Certified



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



High-Speed Drill with Coolant Attachment

Principle of Operation:

A standard air powered high-speed drill with a Sheridan foot adaptor mounted onto the chuck guard with a barrel and drill template guide extending from the front.

If lubrication option is utilized, the canister is mounted to the top of the drill motor. Exhaust air creates the pressure to force the lubrication to the drill point.

Vacuum porting is also part of the optional equipment and can be built into the drill template guide.

Special aircraft adaptors can be ordered for mounting 21000 & 22000 series bushings.

Depressing the throttle activates the motor to rotate at speed, turning the motor spindle.

Barrel assemblies are determined by the amount of travel required to drill through the material.

Drill guides require the pertinent information about the application: drill diameter, template thickness, template O.D., etc.

High-speed Drill Selection guide:

What type of material?

What rpm is specified?

What is the material thickness?

What is the template thickness?

What is the diameter of hole being drilled?

What is the template hole O.D.?

Will lubrication be required?

Will vacuum be required?

What type/size of aircraft bushing is being used?

Are there any special considerations?



HIGH SPEED DRILL

Performance:

Power: 0.9 hp

Speed: 20,000 rpm

Chuck Capacity: 1/4" (6 mm)

Features:

Quick Fill piggy-back coolant tank

Adjustable coolant/air mist flow

Durable case for storage



SZEHT18520

High-speed drill shown with optional Barrel Assembly and drill guide

Model Number	Horsepower	Chuck Capacity		Free Speed	Length (including front bracket)		Weight	
	hp	in.	mm	rpm	in.	mm	lb	kg
SZEHT18520	0.9	1/4	6	20,000	7-5/8	194	4	1.8

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

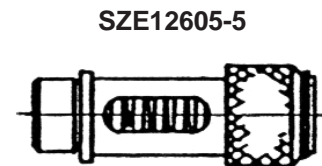
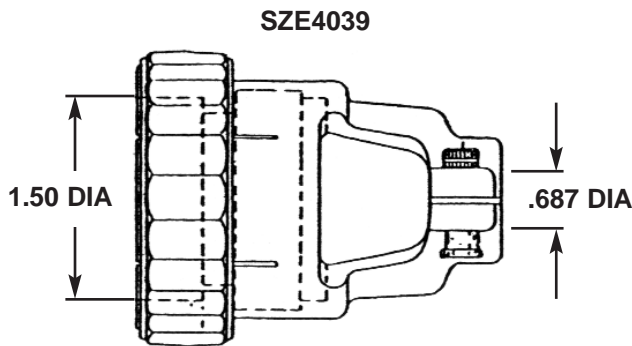
Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Comfort Grip



1-1/4 Travel

Use with 6" extension drills when drilling depth will not exceed 1-1/8".

HIGH SPEED DRILL KIT SELECTION CHART

Drill motor RPM: 20,000

Material type and thickness: (drill stroke required)

Guide bushing dimensions:

template thickness/guide hole I.D.

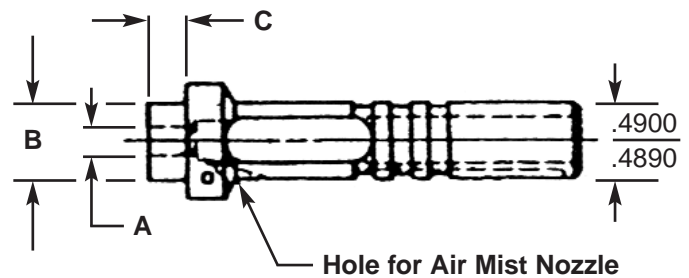
(see diagram for A, B, & C dimensions)

Aircraft Drill Bushing required if applicable:

(21000 or 22000 series)

Lubrication or vacuum requirements?

Other special requirements?



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

Principle 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.

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.

- What material is the rivet made from?
- What size is the rivet?
- What is the form of the head?
- What components are being assembled?
- Are there any clearance problems?
- Is Alligator or ‘C’ type yoke required?
- How is the application being done now?
- Are there any special considerations?



COMPRESSION RIVETERS

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



SZE A5030



SZE A7030



SZE A9030

Model Number	Rivet Set Shank Diameter		Cap. Cold Rivet Diameter				Std. Alligator Yoke Dim.				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
CR-1 Single Cylinder																				
SZE A5000	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
SZE A5015	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
SZE A5022	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
SZE A5030	3/16	5	3/32	2	3/32	2	3	76	7/8	22	1800	8.0	1-1/4	32	final 1/8	3	4.75	2.2	10-7/8	276
CR-2																				
SZE A50152	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
SZE A50222	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
SZE A50302	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
CR-1 Tandem Cylinder																				
SZE A7000	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
SZE A7015	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
SZE A7022	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
SZE A7030	3/16	5	3/32	2	1/8	3	3	76	7/8	22	3400	15.1	1-1/4	32	final 1/8	3	6.25	2.8	13.75	349
CR-2																				
SZE A70152	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
SZE A70222	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
SZE A70302	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
CR-1 Triple Cylinder																				
SZE A9000	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
SZE A9015	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
SZE A9022	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	3.4	16.75	426
SZE A9030	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
CR-2																				
SZE A90152	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
SZE A90222	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	3.4	16.75	426
SZE A90302	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:

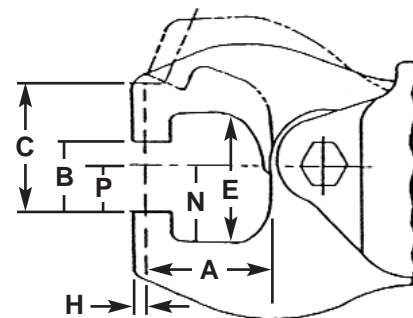
Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:

Parts List, Safety and Instruction Manual
 Safety throttle action

ALLIGATOR YOKE NOMENCLATURE

- A Reach
- B Closed Height
- C Total
- E Gap
- H Lower 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

DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES



DRILLS

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

COMPRESSION RIVETERS

Single, Tandem and Triple cylinder options

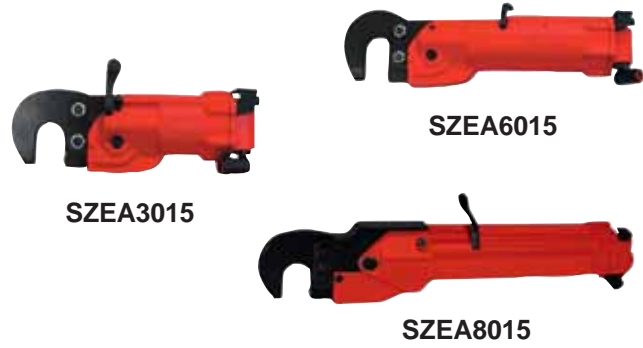
Riveting capacity:

1/8" (3 mm) (single cylinder)

3/16" (5 mm) (tandem cylinder)

1/4" (6 mm) (triple cylinder)

Safety throttle



Model Number	Rivet Set Shank Diameter		Cap. Cold Rivet Diameter				Standard "C" Yoke Dimension				Closed Height		Max Travel		Max Force at 90 psi		Stroke at max Force		Net Weight w/Yoke		Overall Length	
			Steel		Alum.		Reach		Gap													
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kN	in.	mm	lb	kg	in.	mm
CR-1 Single Cylinder																						
SZEA3000	N/A	N/A	3/32	2	1/8	3	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	3000	13.4	f-1/16	2	3-1/2	1.6	8-1/2	216
SZEA3015	3/16	5	3/32	2	1/8	3	1-1/2	38	1-1/4	32	11/16	78	9/16	14	3000	13.4	f-1/16	2	4-1/2	2.0	10-1/4	262
CR-2 Single Cylinder																						
SZEA30152	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
CR-1 Tandem Cylinder																						
SZEA6000	N/A	N/A	5/32	4	3/16	5	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	6000	26.7	f-1/16	2	4-1/2	2.0	11-1/4	287
SZEA6015	3/16	5	5/32	4	3/16	5	1-1/2	38	1-1/4	32	11/16	78	9/16	14	6000	26.7	f-1/16	2	5-1/2	2.5	14	356
CR-2 Tandem Cylinder																						
SZEA60152	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
CR-1 Triple Cylinder																						
SZEA8000	N/A	N/A	5/32	4	1/4	6	N/A	N/A	N/A	N/A	N/A	N/A	9/16	14	9000	40.1	f-1/16	2	7-1/2	3.4	16	406
SZEA8015	3/16	5	3/16	5	1/4	6	1-1/2	38	1-1/4	32	11/16	78	9/16	14	9000	40.1	f-1/16	2	8-1/2	3.9	18-3/4	476
CR-2 Triple Cylinder																						
SZEA80152	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

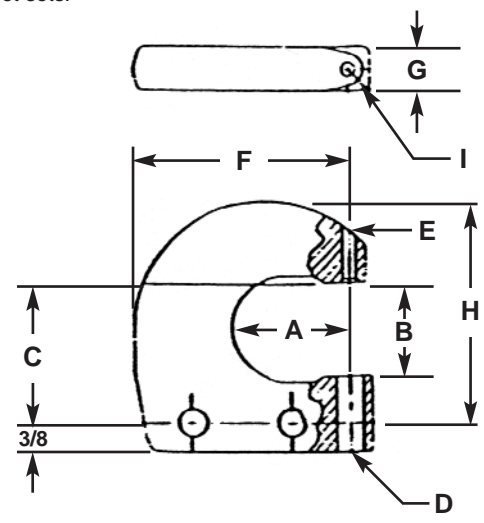
General:
 Air Inlet Size: 1/4" NPT
 Recommended Hose Size: 3/8" (10 mm)
 Performance rated @ 90 psig (6.2 bar) air pressure
 Tools available with BSPT air inlet upon request

Standard Equipment:
 Parts List, Safety and Instruction Manual
 Safety throttle action

Special yokes available upon request.
 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.

C-YOKE NOMENCLATURE

- A Reach
- B Gap
- C Height from yoke hole 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 end 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

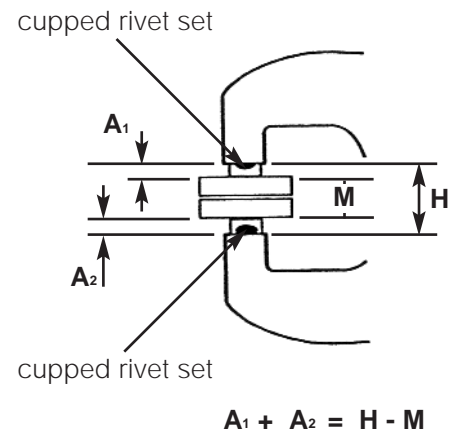


For maximum power the combined length of the two rivet sets must be of the correct length.

Determine the correct lengths as follows:

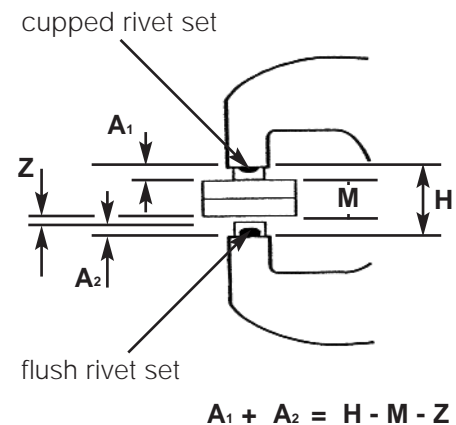
1) When two cupped rivet sets are used:

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.



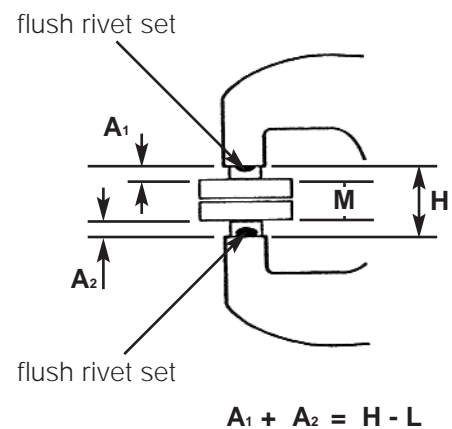
2) When one cupped set and one flush set are used:

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).

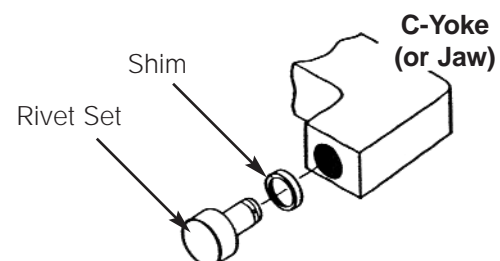


3) When two flush sets are used:

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

Pneumatic Routers

Principle of Operation:

Routers are pneumatic motors geared or governed to speed determined by the application, materials, cutter and operation desired.

Thumb throttle or lever control operates the motor thus turning the motor spindle at the chosen rpm. Collets are available in standard and metric sizes measured to accommodate the shank of the cutting tool to be utilized. The cutting tool extends through a nosepiece and router guide to the work piece. The router guide is attached to the nosepiece to guide and align the motor spindle, collet and cutter to the application in order to combat any deflection.

Classification of Routers:

Hand held: Cylindrical design held by hand.

Base mounted: Cylindrical design mounted into a base.

Mountable motor unit: Cylindrical design motor to be mounted in an already existing base.

Router Selection Guide:

Type of Material?

Cutter?

What is the material thickness?

What size is the cutter shank?

Are there any access concerns?

How is the application being done now?

Are there any special concerns?



HAND HELD ROUTERS

Performance:

Power: 1.0 hp - 1.5 hp

Speed: 7200 rpm - 20,000 rpm

Collet Capacity: 1/4" (6 mm) – 1/2" (13 mm)

Features:

Lever or Thumb-flip throttle



SZER4003LV1



SZER4006TF1

Model Number	Handle	Horsepower	Collet Capacity		Speed rpm	Weight		Length		Diameter	
			in.	mm		lb	kg	in.	mm	in.	mm
SZER4003LV1	Lever Throttle	1.0	1/4	6	20,000	4.0	1.8	11-1/2	292	2	51
SZER4003LV3	Lever Throttle	1.0	3/8	10	20,000	4.0	1.8	11-1/2	292	2	51
SZER4003TF1	Thumb-Flip Throttle	1.0	1/4	6	20,000	4.0	1.8	11-1/2	292	2	51
SZER4003TF3	Thumb-Flip Throttle	1.0	3/8	10	20,000	4.0	1.8	11-1/2	292	2	51
SZER4006LV1	Lever Throttle	1.5	1/4	6	16,000	5.0	2.3	12-1/2	317	2-1/2	64
SZER4006LV3	Lever Throttle	1.5	3/8	10	16,000	5.0	2.3	12-1/2	317	2-1/2	64
SZER4006LV4	Lever Throttle	1.5	1/2	13	16,000	5.0	2.3	12-1/2	317	2-1/2	64
SZER4006TF1	Thumb-Flip Throttle	1.5	1/4	6	16,000	5.0	2.3	12-1/2	317	2-1/2	64
SZER4006TF3	Thumb-Flip Throttle	1.5	3/8	10	16,000	5.0	2.3	12-1/2	317	2-1/2	64
SZER4006TF4	Thumb-Flip Throttle	1.5	1/2	13	16,000	5.0	2.3	12-1/2	317	2-1/2	64

General:

Air Inlet Size: 3/8" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Safety throttle action

Due to a variety of jobs and applications, Routers are not supplied with any types of cutting tool.
Please contact Sioux Tools, Inc. or your local distributor for router information.



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

ASSEMBLY

ABRASIVE

FINISHING

PERCUSSIVE

SPECIALTY

ACCESSORIES

MOUNTABLE MOTOR UNITS

Performance:

Power: 2.0 - 3.5 horsepower

Collet Capacity: 1/4" (6 mm) – 1/2" (13 mm)

Speed: 6000 rpm - 16,000 rpm



SZER4002

Model Number	Handle	Horsepower	Collet Capacity		Speed rpm	Weight		Length		Diameter	
			in.	mm		lb	kg	in.	mm	in.	mm
SZER40021	Mountable motor	3.5	1/4	6	10,000	7.0	3.2	8-7/16	214	3-7/8	98
SZER40023	Mountable motor	3.5	3/8	10	10,000	7.0	3.2	8-7/16	214	3-7/8	98
SZER40024	Mountable motor	3.5	1/2	13	10,000	7.0	3.2	8-7/16	214	3-7/8	98
SZER40041	Mountable motor	2.0	1/4	6	16,000	7.0	3.2	8-1/2	216	3-7/8	98
SZER40043	Mountable motor	2.0	3/8	10	16,000	7.0	3.2	8-1/2	216	3-7/8	98
SZER40044	Mountable motor	2.0	1/2	13	16,000	7.0	3.2	8-1/2	216	3-7/8	98

General:

Air Inlet Size: 1/2" NPT

Recommended Hose Size: 1/2" (13 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

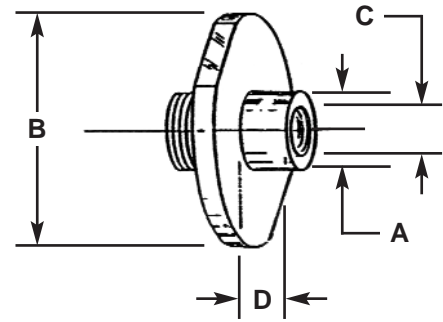
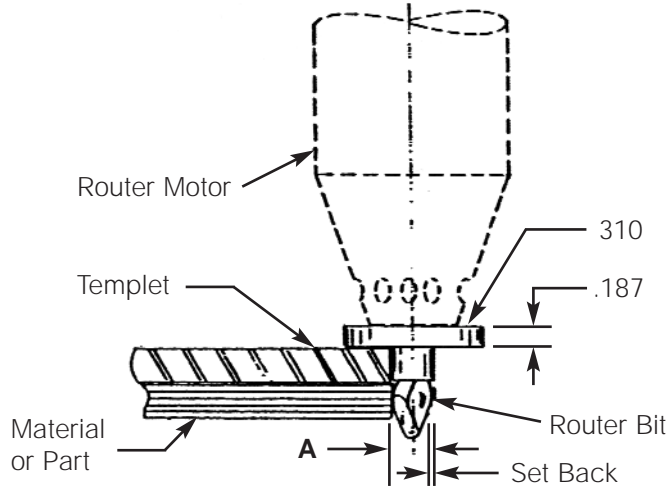
Safety throttle action

Due to a variety of jobs and applications, Routers are not supplied with any types of cutting tool. Please contact Sioux Tools, Inc. or your local distributor for router information.



COLLAR GUIDE NOMENCLATURE

- A Pilot Diameter
- B Flange Diameter
- C Clearance Hole
- D Pilot Length



"A" Pilot Diameter Required
Bit diameter + (Set Back x 2) = "A"

Set Back Formula

$$\frac{A - \text{Bit Diameter}}{2}$$

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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



Pneumatic Saws and Trim Shears

Principle of Operation for Saws:

Air powered saws SZES100 and SZES101 utilize a geared motor with a mounting spindle extending from the front of the motor.

Depressing lever throttle on handle allows for the operation of the motor to turn the blade surrounded by a protective guard

The SZES600 and SZES600G utilize geared motors and governed motors.

Saw Selection Guide:

What type of Material?

What is the material thickness?

What type of saw blades?

Are there any blade restrictions? (e.g. maximum rpm rating)

Are there any special considerations?

Principle of Operation for Trim Shears:

Trim shears are pneumatic motors geared down for speed control, determined by the application material and thickness.

Lever or trigger control operates the motor thus turning the motor speed at the chosen rpm. The worm drive shaft extends from the motor, driving a two-wheel assembly mounted to the front of the tool.

One wheel is serrated to grip the material, while the other wheel cuts the material.

Trim Shear Selection Guide:

What type of material?

What is the material thickness?

Are there any clearance problems?

Are there any special considerations?



PNEUMATIC SAWS

Performance:

Blade Capacity: 2.0" (51 mm)

Speed: 2800 - 20,000

Cutting Capacity: 1/4" (6 mm)

Features:

Non-ferrous and fiberglass



SZES100



SZES101

Model Number	Blade Capacity		Speed rpm	Cutting Capacity Non-ferrous & Fiberglass		Length		Weight	
	in.	mm		in.	mm	in.	mm	lb	kg
SZES100	2	51	2800	1/4	6 thick	8.0	203	2-1/2	1.1
SZES101	2	51	20,000	1/4	6 thick	8.0	203	2-1/2	1.1

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Safety throttle action

TRIM SHEARS

Performance:

Capacity/Steel: 10 GA. - 14 GA.

Throat Capacity: 1-1/4" (32 mm) - 2-1/8" (54 mm)

Features:

Straight or Pistol Grip handle



SZEAS7S



SZEAS10PR

Model Number	Handle	Cap./Steel	Throat Capacity		Rate of cut		Weight	
			in.	mm	ft/min.	m/min.	lb	kg
SZEAS7S	Straight	13 GA.	1-1/4	32	4	13.12	5.0	2.3
SZEAS7P	Pistol Grip	13 GA.	1-1/4	32	4	13.12	5.0	2.3
SZEAS8S	Straight	14 GA.	2-1/4	57	4	13.12	5-1/2	2.5
SZEAS8P	Pistol Grip	14 GA.	2-1/4	57	4	13.12	5-1/2	2.5

General:

Air Inlet Size: 1/4" NPT

Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

Tools available with BSPT air inlet upon request

Standard Equipment:

Parts list, Safety and Instruction manual

Safety throttle action



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



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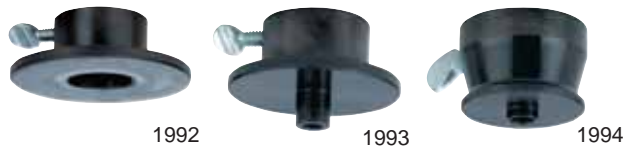
ACCESSORIES

Rivet Shaver Skirts



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



Part Number	Used On
1992	1971HPB
1993	1971HP
1994	1971HPC

Collets



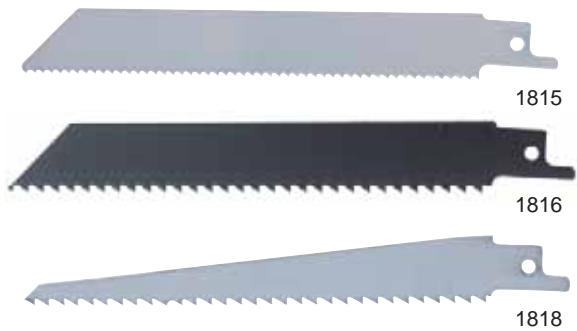
Collet Type	Part Number	Capacity	For Use On
Sioux	44440	1/4"	1971HP series
Sioux	66038	6 mm	1971HP series
100 Series	21126	1/4"	1980, 1981
100 Series	21125	3/8"	1982, 1983



Part Number	Collets
21095	#10-5/16"
21139	1/4"-1/2"

Reciprocating Saw Blades

Packaged in cartons of 5



Part Number	Length		Teeth Per Inch
	in.	mm	
For use on Model 1300			
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
1817	6	150	10
1818	6	150	6
1819	12	300	6

Packaged in quantities of 50

Laminate Trimmer Base

Part No. 1991

For use on HP series routers



Template Follower

Part No. 1990

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



SAFETY Precaution: Read and follow all safety and operating instructions.

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Support Handle

Part No. 2355



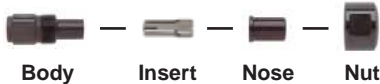
Collet Chuck Assemblies

Sioux Style Collets



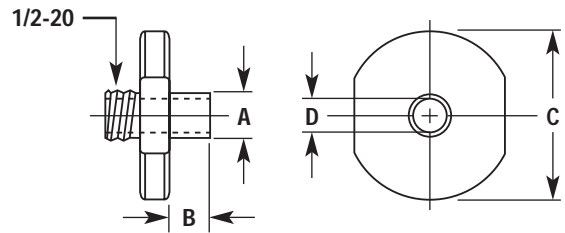
Collet Chuck Assemblies	Sioux Collet Chuck				
	1/8"	3 mm	3/16"	1/4"	6 mm
Chuck Assembly	43342	68617	43341	43340	68618
Collet Body	21096	21096	21096	21096	21096
Collet Insert	44522	66037	44523	44440	66038
Collet Nose	N/A	N/A	N/A	N/A	N/A
Collet Nut	21097	21097	21097	21097	21097

Erickson 200 Series Collets



Collet Chuck Assemblies	Erickson Collet Chuck				
	1/8"	3 mm	3/16"	1/4"	6 mm
Chuck Assembly	43346	68619	43347	43348	68620
Collet Body	21103	21103	21103	21103	21103
Collet Insert	21102	68616	21101	21100	68615
Collet Nose	21105	21105	21105	21105	21105
Collet Nut	21104	21104	21104	21104	21104

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

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Hose Whip Assembly with Filter Lubricator



1641FHW

Part Number	Capacity		Hose I.D.		Thread	Max. Working Pressure		Recommended Oil Weight	Filter Rating Micron
	Fl. Oz.	ml	in.	mm		psi	bar		
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

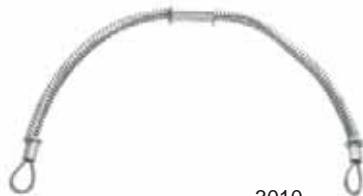


1641HW

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

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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 No.	Capacity		Pipe Size NPT	Max. Working Pressure		Rec. Oil Weight	Filter Rating Micron
	Fl. Oz.	ml		psi	bar		
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
	FM NPT	in.	mm	Micron
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



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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.	mm	ft	m	
1359	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
1378	3/8	10	50	23.0	1/4" NPT
1360	1/2	13	25	11.0	1/2" NPT
1388	1/2	13	50	23.0	1/2" NPT
1358	3/4	20	3	1.3	None
1365	3/4	20	3	1.3	None
1361	1	25	4	1.8	None

Nylon Recoil Air Hose



Part Number	I.D.		Length		Fittings
	in.	mm	ft	mm	
1326	1/4	6	25	11	1/4" NPT
1327	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

Sioux-Per Swivel

Part No. 1337B
Allows the air hose to rotate 360° on 2 axes



SAFETY Precaution: Read and follow all safety and operating instructions.



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Grease Gun

Part No. 468A

Used with impact wrenches and multi-assembly angle tools



Grease Gun

Part No. 439

Used 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	Size
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



Part Number	Size
1316	1/2 Pint
1317	1 Quart
1318	2 Litre

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. 1335

1/4" NPT Male / Female

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



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Cutter Kit

Part No. 278



Sioux Part Number	Broach Cutter Size - Imperial
HB437	7/16"
HB500	1/2"
HB562	9/16"
HB625	5/8"
HB750	3/4"
HB875	7/8"
HB100	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

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



Service

Factory Authorized Service

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

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

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





Training

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.

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U.S. Independent Service Centers

DRILLS

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

Dothan
B.W.C. Service
725 S Oates St
36302
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

Tucson
Mechanics Tool Service
1301 E Apache Park Place
85714
520-889-8484

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

Gardena
US Ind Tool & Supply
14083 S Normandie Ave
90249
734-455-3388

San Francisco
Kimmerle Bros
226 Eleventh St
94103
415-431-1163

Santa Fe Springs
KBL Enterprises
12060 East Florence
PO Box 3024
90670
562-946-6771

COLORADO-Golden
Perfection Tool & Repair
16200S. Golden Rd
80401
303-279-0133

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-Atlanta
Tool Service Co.
249 Alexander St NW
30313
404-524-4249

Snellville
Kentec Inc
3250 Centerville Hwy
30039
770-985-1907

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

Wood Dale
Industrial Tool Products Inc
919 No Central Ave
60191
630-766-4040
800-722-7287

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

Evansville
Brown & Hubert Inc
306 No 7th Ave
47710
812-425-9049

Indianapolis
Wright Tool Service
3127 Kentucky Ave
46221
317-248-9339
800-892-3567

Indianapolis
Alliance Supply Group
2601 Holt Rd
46241
317-227-1168

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

IOWA-Des Moines
Iowa Pneumatic Repair
7420 University Blvd
50325
515-274-3726

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

KANSAS-Pratt
Stanion Wholesale Electric Co.
PO Box Drawer F
67124
620-225-4384

KENTUCKY-Louisville
Hagemeyer
P.O. Box 32368
40232
502-961-5900

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

Fall River
Burns Inc
350 Mariano S Bishop Blvd
02721
508-675-0381

MICHIGAN-Flint
Power Tools & Supply Inc
4184 Pier North Blvd
48504
810-720-3300

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

Plymouth
US Ind Tool Supply Service
15101 Cleat St
48170
734-455-3388
800-521-7394

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 42nc St
55406-3333
612-722-4260

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

MISSOURI-Cape Girardeau
Barks Equipment Sales
762 Enterprise
63703
573-335-7994

Jefferson City
JC Industrial
706 Virginia St
65102
573-636-4171

St Louis
Authorized Equipment
Service Co
3200 Chouteau Ave
63103
314-772-8024

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

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U.S. Independent Service Centers

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
800-524-2599

NEW MEXICO-Albuquerque
Martin Saw & Tool
3310 Stanford NE
87107
505-888-1675

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 Atando Ave
28206
800-789-9313

Concord
JS King Associates
3216 Roberta Farms Ct SW
28027
704-905-2788

Greensboro
Tool & Equipment Repair
807 Huffman St
27405
336-275-6124
800-477-8871

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

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
10412 Dover Rd
44606
330-698-0376

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

Columbus
Mid State Industrial Inc
4125 Westward Ave
43228
614-274-1534

Northwood
Industrial Tool Service-Repair
6818 Wales Rd
43619
419-661-9423

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

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

Oklahoma City
Hydraulic Equipment Co
515 So Broadway
73109
405-235-3318
800-249-3318

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

Tulsa
Quality Tool Repair
1447 No Yale
74115
918-838-7411
800-299-7411

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

* Torque Multiplier Service Center

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

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

La Vergne
Cameron & Barkley Co
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

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

UTAH-Salt Lake City
M & M Tool & Machinery
1773 South 300 West
84115
801-485-8200

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

Richmond
CH Reed
2519 Grenoble Rd
23294
804-672-6268

Roanoke
Stultz Machine Tools
& Equip Inc
1546 Brownlee Ave SE
24014
540-9819359
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
Safway Repair
E. 1503 Riverside
99202
509-535-9841
800-348-4808

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

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

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Canadian Independent Service Centers

DRILLS

ALBERTA-Calgary

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

Edmonton

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

Edmonton

Allied Tools LTD
6715-76 Ave
T6B 0A9
780-465-0961

BRITISH COLUMBIA-Kelowna

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

Vancouver

Westcoast Tool Sales
& Services LTD
Unit 2, 285 East 1st Ave
V5T 1A8
604-873-5394

MANITOBA-Winnipeg

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

Winnipeg

Tool World
171 Cole Ave
R2L 2C5
204-663-9266

NEW BRUNSWICK-Moncton

Wolseley Industrial Products
Group
481 Edinburgh Dr
E1E 4E3
506-857-1650

ONTARIO-Burlington

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

London

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

Thunder Bay

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

Toronto

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

QUEBEC-Montreal

Instrument Sales & Service
2185 Hampton Ave
H4A 2K5
514-481-8111

Montreal

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

SASKATCHEWAN-Regina

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

Saskatoon

Do All Tool Repair
1714 Avenue C North
S7L 1L7
306-975-7084

ASSEMBLY

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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

Pneumatools S.A. de CV
Floresta 125-3
Col. Claveria C.P. 02080
Azcapotzalco D.F.
Mexico City
Mexico
Phone: (52-55) 5399-3232

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

Ferreteria Indar S.A. de C.V.
Calzada Independencia Sur
574
Guadalajara, Jal. C.P. 44100
Mexico
Phone: (52-33) 3614-1419

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

COLUMBIA

Dishegro
Diagonal 15 # 22- 18
Bogota
Colombia
Phone: (57- 1) 360-5967

HONDURAS

Herramientas la Atlantica
2da. Calle, 17 Ave. N.E.
Col. Universal
Carretera Vieja a La Lima
San Pedro Sula
Honduras
Phone: (504) 557-6294

NICARAGUA

Sisemas de
Seguridad Buhler S.A.
Contiguo donde fue
Cine Dorado
Bolonía, Managua
Nicaragua
Phone: (505) 222-6833

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

PARAGUAY

H. Petersen
Av.Artigas 1552
Asuncion
Paraguay
Phone: (595-21) 202-615

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

DRILLS

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SIoux TOOLS INC.
 28906 USA 28906
 1997, 20 1997



SIoux TOOLS INC.

PRODUCT CATALOG

250 Snap-on Drive
 P.O. Box 1596
 Murphy, North Carolina USA 28906
 PH: 828.835.9765
 FAX: 828.835.9685
 TOLL FREE: 866.259.7291
 TOLL FREE FAX: 800.722.7236

Benelux
 Tel.: (N) 31 (0) 20 568 26 63
 (B) 32 (0) 14 23 19 67
 Fax: (N) 31 (0) 20 568 26 60
 (B) 31 (0) 14 23 26 27
 e-mail: snap@snap-on.nl

Latin America
 Tel.: 305-271-0944
 Fax: 305-271-7152
 e-mail: latinamerica.caribbean@snapon.com

Germany
 Tel.: 49 2104 9509-0
 Fax: 49 2104 9509-99
 e-mail: snapon.industrial@snapon.com

Italy
 Tel.: 00 39 02 66 04 53 70
 Fax: 00 39 02 61 29 78 15
 e-mail: indus.italia@snapon.com

United Kingdom
 Tel.: 44 (0) 1536-413904
 Fax: 44 (0) 1536-413874
 e-mail: industrialuk@snapon.com

Asia
 Tel.: 65-6451-5570
 Fax: 65-6451-5574
 email: esales.sg@snapon.com

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 Tel.: 61 2 9837 9100
 Fax: 61 2 9624 2578
 e-mail: SOTA.customerservice@snapon.com



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