SIOUX TOOLS | FORCE PRODUCT CATALOG





# FOR THE WAY YOU WORK



# 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, Snapon 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.





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# SIOUX TOOLS, INC. POWER TOOLS WARRANTY

Except as otherwise provided herein, Sioux Tools Inc. warrants the product for 1 year from the date of original purchase against defects in workmanship and materials that prevent their use. Consumable parts are warranted, at the time of sale, against defects in workmanship and materials that prevent their use. Consumable parts are goods reasonably expected to be used up or damaged during use, including but not limited to, cables, sensors and batteries. This warrantee only extends to the original Buyer and cannot be transferred or assigned.

In the event the product fails to give satisfactory service due to a defect in materials or workmanship during the specified warranty period, at its option, Sioux Tools Inc. will repair or replace the product or provide a refund by repaying or crediting the Buyer with an amount equal to the purchase price of the product. Repair, replacement or refund shall be at the sole election and expense of Sioux Tools Inc. and is Buyer's exclusive remedy in place of all other rights and remedies. To obtain warrantee service, contact Sioux Tools Inc. or a Sioux Tools Inc. representative or distributor. Proof of purchase must be provided with all warranty service requests. By repairing or replacing the product, or providing a refund, Sioux Tools Inc. does not waive a claim that the product nevertheless has been subject to abnormal use.

Sioux Tools Inc. does not provide any warrantee for (i) recalibration; or (ii) product subject to "abnormal use". "Abnormal use" includes misuse, accident, modification, alteration, unreasonable or improper use, abuse, neglect, lack of maintenance, use in product related service, or use after the product is significantly worn. Further, this Warrantee DOES NOT cover any damage to, or in operability or improper operation of the product caused by, resulting from or attributable to (1) installation or maintenance; (2) fire, water, wind, lightening or other natural causes; (3) damaged caused by adverse environmental conditions, including without limitation, extreme temperatures, moisture, corrosive elements, dust or other air contaminants, radio frequency interference, electric power failure, power line voltages beyond those specified for the product in combination or connection with other product, attachments, supplies or consumables not manufactured or distributed by Sioux Tools Inc.; or (5) failure to comply with any applicable federal, state or local regulation, requirement or specification governing emission analyzers and related supplies or consumables. Parts and labor needed to maintain your product and any replacement parts necessary do to normal wear and tear are not covered by this written warrantee and are the Buyer's responsibility.

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To the extent allowed by applicable law, this warrantee and all rights and obligations hereunder, including matters of construction, validity and performance, shall be governed by the substantive laws of the state of Wisconsin, without giving effect to the principles of conflicts of law thereof.

# **ISO 9001**

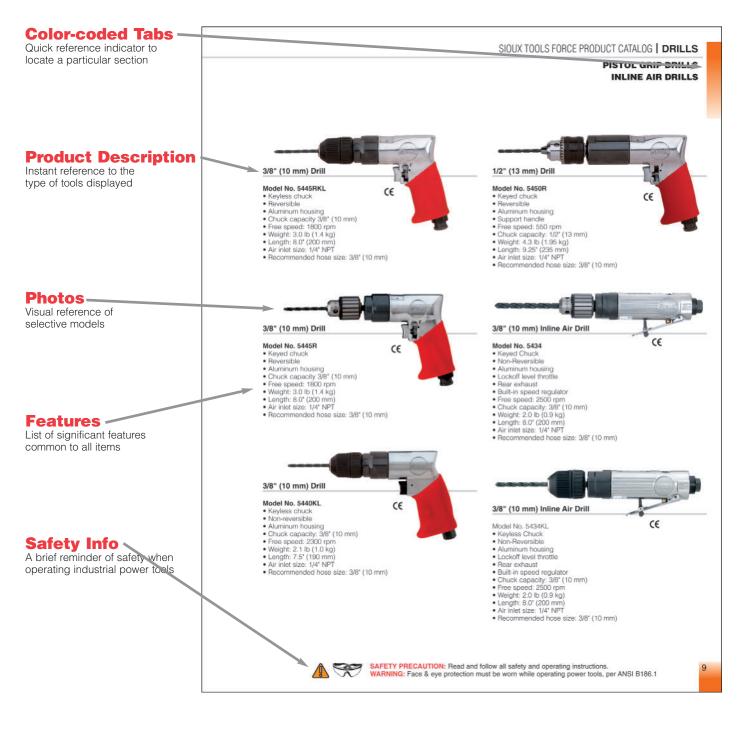
In 1997 Sioux Tools received its ISO 9001 certification. This certification is essential to doing business in today's global marketplace. It affirms our dedication to quality and our continued commitment to improvement. It assures our customers that the products they purchase will consistently live up 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 | SIOUX TOOLS FORCE PRODUCT CATALOG



# **CATALOG GUIDE**





# **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, I/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.

# **Weight and Length**

The weight of the tools are 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.

# **Quick Conversion Chart**

Guion			
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	=	
	1 Nm	=	
	1 Nm	=	0.7376 ft lb
Pressure			
	1 bar	=	100 kPa
	1 kg/cm2 (at)	=	98.0665 kPa
	1 psi	=	6.8948 kPa
	1 kPa	=	o / / = ·
	1 kPa	=	0.01 bar
	1 kPa	=	0.0101972 kg/cm2 (at)
Power			
	1 kgm/s	=	9.8067 w
	1 hp	=	745.7 w
	1 kw	=	101.972 kgm/s
	1 kw	=	1.3410 hp
Flow			
	1 m3/min	=	16.6667 l/s
	1 cfm	=	
	1 m3/h	=	
	1 l/s	=	2.1189 cfm

FORCE TOOLS | SIOUX TOOLS FORCE PRODUCT CATALOG



# **FORCE TOOLS**

# The Force of the Tool Industry

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.

## Force

Sioux Tools designs the tool to fit the application. Many businesses require tools that can deliver high performance but are not subject to the constant demands of industrial applications. To meet these requirements, Sioux developed the Force line. The Force lineup is designed primarily for the MRO (Maintenance Repair Operations) and manufacturing support functions, however, the quality of the these tools will allow them to go beyond these typical support applications to fit the bill in many of your manufacturing processes.

Force tools are designed to complement the durability and performance of our industrial line. Check out the following line of Force tools in this catalog.

Drills Sanders Impact Wrenches Polishers Impact Drivers Hammers & Scalers Ratchet Wrenches Reciprocating Saw Grinders Cut-off Tool



SIOUX TOOLS FORCE PRODUCT CATALOG | DRILLS





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# 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. Choose from pistol grip, inline and right angle designs that will help you get the job done fast and efficiently. Sioux also offers a complete line of accessories including a huge section of hole saws.

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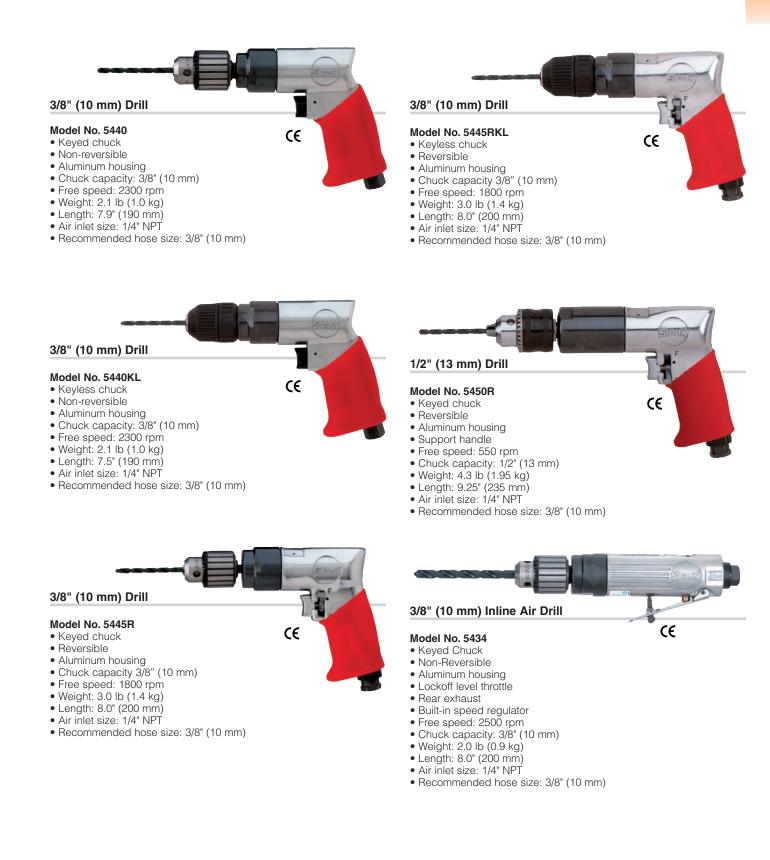
# Designed to work

Sioux Tools offers one of the widest selections of drills on the market today. With free speeds from 550 to 2,500 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.

# Ergonomics

All Sioux Drills offer ergonomic features to provide maximum comfort during operation. Many models include comfortable insulating grips to reduce cold and vibration. Due to the high torque output, model 5450R includes a auxillary support handle for more control.

# PISTOL GRIP DRILLS INLINE AIR DRILLS





# INLINE AIR DRILLS RIGHT ANGLE DRILLS DRILL ACCESSORIES



# **DRILL ACCESSORIES**



5450R

#### **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

506156

Keyed chucks include key



#### 7-Piece Hole Saw Kit: Part No. 276

Includes: 7/8" Hole Saw 1" Hole Saw 1-1/8" Hole Saw 1-1/4" Hole Saw 1-1/2" Hole Saw And Part # 438 Adapter And Part # 351D Arbor Kit is packed in a high impact molded case



Handle



#### 13-Piece Hole Saw Kit: Part No. 277

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 2-1/2" Hole Saw And Part # 351D Arbor And Part # 356B Arbor And Part # 355C Pilot Drill And Part # 438 Adapter Kit is packed in a high impact molded case



# NOTES



SIOUX TOOLS FORCE PRODUCT CATALOG | ASSEMBLY





# ASSEMBLY

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# 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 up to 1,200 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 Force Impact Wrenches and Impact Drivers in a wide variety of configurations to meet your specific needs. 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.

# **Built Tough**

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

# **High Quality**

Force Impact Wrenches and Impact Drivers provide a high quality, cost-effective choice for your impact requirements. Featuring one of the widest selections of impact tools for general industry, Sioux Force impacts reach all aspects of the maintenance and repair market and beyond to manufacturing applications. With drive sizes ranging from, 1/4"

(6 mm) to

1" (25 mm), including hex quick change drives, and torque outputs up to 2700 ft lb (3661 Nm), finding the tool to meet your performance requirements will be simple.

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

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

# **RACHET WRENCHES**



#### 3/8" (10 mm) Ratchet Wrench

#### Model No. 5007

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 5/16" (8 mm)
- Drive size: 3/8" (10 mm)
- Maximum torque: 20 ft lb (27 Nm)
- Free speed: 265 rpm
- Weight: 1.3 lb (0.55 kg)
- Length: 6.6" (168 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 1.4 cfm (37 l/s) avg. 5.2 cfm (147 l/s) max.



# 1/4" (6 mm) Ratchet Wrench

#### Model No. 5009

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 5/16" (8 mm)
- Drive size: 1/4" (6 mm)
- Maximum torque: 20 ft lb (27 Nm)
- Free speed: 265 rpm
- Weight: 1.5 lb (0.5 kg)
- Length: 6.6" (168 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 1.2 cfm (37 l/s) avg. 5.2 cfm (147 l/s) max.



#### 3/8" (10 mm) Ratchet Wrench

#### Model No. 5011

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 7/16" (11 mm)
- Drive size: 3/8" (10 mm)
- Maximum torque: 50 ft lb (68 Nm)
- Free speed: 185 rpm
- Weight: 2.6 lb (1.2 kg)
- Length: 10.8" (274 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.0 cfm (85 l/s) avg. 12.0 cfm (340 l/s) max.



#### 1/2" (13 mm) Ratchet Wrench

#### Model No. 5013

- Steel angle head
- Aluminum housing
- Ergonomic Composite Grip
- Grade 5 bolt capacity: 7/16" (11 mm)
- Drive size: 1/2" (13 mm)
- Maximum torque: 50 ft lb (68 Nm)
- Free speed: 185 rpm
- Weight: 2.6 lb (1.2 kg)
- Length: 10.8" (274 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.0 cfm (85 l/s avg.) 12.0 cfm (340 l/s) max.



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



#### 3/8" (10 mm) Inline Impact Wrench

#### Model No. 5035

- Lever start
- Suspension Bail
- Steel anvil housing
- Twin Hammer Impact mechanism

- Built-in power regulator
  Friction Ring Socket Retainer
  Grade 5 bolt capacity: 3/8" (10 mm)
  Drive size: 3/8" (10 mm)
- Working torque range: 5-60 ft lb (7-81 Nm)
   Max. torque: 80 ft lb (108 Nm)
   Free speed: 7000 rpm
   Plove per minute: 1000

- Blows per minute: 1200
  Weight: 2.7 lb (1.2 kg)
- Length: 8.6" (218 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.6 cfm (102 l/s) avg. 14.5 cfm (410 l/s) max.



#### 3/8" (10 mm) Butterfly Impact Wrench

#### Model No. 5045

- Built-in power regulator
- Swivel air inlet bushing
- Friction ring socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
- Working torque range: 15-160 ft lb (20-217 Nm)
  Max. torque: 175 ft lb (237 Nm)
- Free speed: 9500 rpm
- Blows per minute: 1850
  Weight: 2.5 lb (1.1 kg)
  Length: 7.6" (193 mm)

- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 2.5 cfm (1.2 l/s) avg.



#### 3/8" (10 mm) Butterfly Impact Wrench

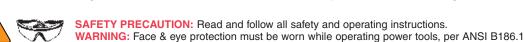
#### Model No. 5045P

- Built-in power regulator
- Swivel air inlet bushing
- Pin socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
  Drive size: 3/8" (10 mm)
- Working torque range: 15-160 ft lb (20-217 Nm)
  Max. torque: 175 ft lb (237 Nm)
  Free speed: 9500 rpm

- Blows per minute: 1850
- Weight: 2.5 lb (1.1 kg) Length: 7.6" (193 mm) Air inlet size: 1/4" NPT

16

- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 2.5 cfm (1.2 l/s) avg.



# SIOUX 3/8" (10 mm) Impact Wrench Model No. 5038B · Reverse bias power CE · Pin style impact mechanism Oil bath lubrication Built-in power regulator Molded comfort grip Friction ring socket retainer Grade 5 bolt capacity: 3/8" (10 mm) Drive size: 3/8" (10 mm) Working torque range: 50-160 ft lb (68-217 Nm) Max. torque: 185 ft lb (251 Nm) Free speed: 8500 rpm Blow page meruty 1160

- Blows per minute: 1160
  Weight: 3.7 lb (1.7 kg)
  Length: 6.3" (160 mm)
- Air inlet size: 1/4 NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.5 cfm (100 l/s) avg. 14.0 cfm (395 l/s) max.

SICU

#### 3/8" (10 mm) Impact Wrench

#### Model No. 5039B

- Reverse bias power
- Pin style impact mechanism
- Oil bath lubrication
- Molded comfort grip
- Built-in power regulator
- Pin socket retainer
- Grade 5 bolt capacity: 3/8" (10 mm)
- Drive size: 3/8" (10 mm)
  Working torque: 50-160 ft lb (68-217 Nm)
- Max. torque: 185 ft lb (251 Nm)
- Free speed: 8500 rpm
  Blows per minute: 1,160
  Weight: 3.7 lb (1.7 kg)
  Length: 6.3" (160 mm)

- - Recommended hose size: 3/8" (10 mm)
  - Air Consumption: 3.4 cfm (100 l/s) avg. 14.0 cfm (395 l/s) max.

CE

## 1/2" (13 mm) Impact Wrench

#### Model No. 5250A

- Reverse bias power
- Pin style impact mechanism
- Oil bath lubrication
- Built-in power regulator
  Molded comfort grip
- Friction ring socket retainer

- Grade 5 bolt capacity: 5/8" (16 mm)
  Drive size: 1/2" (13 mm)
  Working torque: 50-375 ft lb (68-508 Nm)
  Max. torque: 525 ft lb (712 Nm)
  Free speed: 7000 rpm
  Plaue per minute 205

- Blows per minute: 985
- Weight: 6.0 lb (2.7 kg)
  Length: 7.7" (196 mm)
- Recommended hose size: 3/8" (10 mm)
  Air Consumption: 3.5 cfm (100 l/s) avg. 14.0 cfm (395 l/s) max.

# **IMPACT WRENCHES**

1/2" (13mm)



## **IMPACT WRENCHES** 3/4" (19mm) & 1" (25mm)

# 3/4" (19 mm) Impact Wrench

CE

#### Model No. 5075A

- Aluminum housing
- Steel anvil housing
- Roller cam impact mechanism
- Built-in power regulator
  Friction ring and thru hole socket retainer

- Friction ring and thru hole socket retainer
  Grade 5 bolt capacity: 3/4" (19 mm)
  Drive size: 3/4" (19 mm)
  Working torque: 300-800 ft lb (34-1084 Nm)
  Max. torque: 1200 ft lb (1627 Nm)
  Free speed: 4500 rpm
  Blows per minute: 870
  Waight 12.6 lb (5.7 kg)

- Weight: 12.6 lb (5.7 kg)
  Length: 10.2" (259 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 5.8 cfm (164 l/s) avg. 23.2 cfm (655 l/s) max.





- Recommended hose size: 1/2" (13 mm)
   Air Consumption: 8.3 cfm (235 l/s) avg. 33.2 cfm (938 l/s) max.



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#### 1" (25 mm) High Torque Impact Wrench

#### Catalog No. 5093

Pin impact mechanism

- Oil bath lubrication
- Support handle

- Grade 5 bolt capacity: 1-1/2" (38 mm)
  Drive size: 1" (25 mm)
  Working torque: 600-1400 ft lb (813-1898 Nm)
- Max. torque: 3000 ft lb (4068 Nm)
  Free speed: 4000 rpm
- Blows per minute: 500
- Weight: 25.6 lb (11.6 kg)
  Length: 15.1" (384 mm)
- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 8.3 cfm (235 l/s) avg. 33.2cfm (938 l/s) max.

## 1" (25 mm) High Torque **Extended Anvil Impact Wrench**

#### Catalog No. 5092L

- Pin impact mechanism
- Oil bath lubrication
- 6" extended anvil
- Support handle

- Support Ring and Thru hole socket retainer
  Grade 5 bolt capacity: 1-1/2" (38 mm)
  Drive size: 1" (25 mm)
  Working torque: 500-1300 ft lb (675-1762 Nm)
- Max. torque: 2500 ft lb (3390 Nm)
  Free speed: 4000 rpm
  Blows per minute: 500
  Weight: 27.3 lb (12.4 kg)
  Length: 16.9" (429 mm)

- Recommended hose size: 1/2" (13 mm)
- Air Consumption: 8.3 cfm (235 l/s) avg. 33.2 cfm (938 l/s) max.



#### Catalog No.5093L

- Pin impact mechanism
- 6" extended anvil
- Oil bath lubrication
- Support handle
- Gradue 5 bolt capacity: 1-1/2" (38 mm)
  Drive size: 1" (25 mm)
- Working torque: 500-1300 ft lb (675-1762 Nm)
- Max. torque: 2700 ft lb (3661 Nm)
- Free speed: 4000 rpm
- Blows per minute: 500
- Weight: 28.0 lb (12.7 kg)
  Length: 21.1" (536 mm)

- Recommended hose size: 1/2" (13 mm)
  Air Consumption: 8.3 cfm (235 l/s) avg. 33.2cfm (938 l/s) max.





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# **ASSEMBLY ACCESSORIES**



#### Socket Retaining Pins with "O" Rings

Adapts male square drive to female hex quick change

3/8"

1/2"

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

Drive Size

Input (Square Drive) Output (Hex)

1/4"

7/16"

Length

1-13/16"



#### **Impact Sockets**

Sizes		Sta	ndard	(6-Pc	oint)		Metric	(6-Point)
Across Flats	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	4618	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		



#### **Square Drive Adapters**

**Quick Change Chuck** 

Part Number

2530

2520

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



#### **Ergonomic Handle Grip**

#### Part No. 5002

Fits most Sioux Pistol Grip. Air Tools and Impacts, etc.



**Universal Joint** 

Part No. 2751 3/8" female to 3/8" male square drive



# **ASSEMBLY ACCESSORIES**





1/4" Insert Bit Phillips Head

1/4" Insert Bit

Part Number

2577

2580

2581

2582

Slotted Head

Frinips rieau			
Deut Number	Ler	igth	Deint Cine
Part Number	In.	mm	Point Size
2547	1	25	1
2548	1	25	2
2549	1	25	3



Length

1-1/2

1-1/2

1-1/2

1-1/2

mm

38

38

38

38



5/16" Insert Bit

Phillips	Head
----------	------

F

Point Size

4F - 5R

6F - 8R

8F - 10R

10F - 12R

I	David Normalia an	Ler	Deint Cire	
	Part Number	In.	mm	Point Size
	2587	1-1/4	32	2
	2588	1-1/4	32	3
	2589	1-1/4	32	4



5/16" Insert Bit

Slotted Head

	Le	ngth	Deint Cine	
Part Number	ln.	mm	Point Size	
2594	1-1/2	38	8 - 10	
2595	1-1/2	38	10 - 12	
2596	1-1/2	38	12 - 14	
2597	1-1/2	38	14 - 16	



# 1/4" Insert Bit

eac

Part Number	Len	Deint Cine	
	In.	mm	Point Size
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 Bits With Finders**

1/4" Hex Drive

Part Number	Bit	Finder	Length		Screw Sizes
Part Number	Only	Only	In.	mm	Screw Sizes
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



#### **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" Holder and all bits provided in a convenient PVC holder



# **ASSEMBLY ACCESSORIES**



# Phillips Head

Part Number	Leng	Point Size	
	In.	mm	Point Size
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" Screwdriver Bit

Slotted Head

Deut Nous ben	Ler	ngth	Delint Oler
Part Number	In.	mm	Point Size
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" Screwdriver Bit

Socket Head

Part Number	Len	igth	Point Size
Part Nulliper	In.	mm	Foint Size
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" Screwdriver Bit

Torx

Part Number	Le	Point Size	
Part Number	In.	mm	Point Size
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" Screwdriver Bit

Robertson Bit

D. I.N	Lei	ngth	Delint Oles	
Part Number	In.	mm	Point Size	
2587	1-1/4	32	2	
2588	1-1/4	32	3	
2589	1-1/4	32	4	



## Magnetic Bit Holder

Part No. 2525 Accepts 1/4" Hex Insert Bits



**Magnetic Bit Holder** 

Part No. 2525 Accepts 1/4" Hex Insert Bits







SIOUX TOOLS FORCE PRODUCT CATALOG | ABRASIVE





Abrasive Index	
Straight Die Grinders	25
Right Angle Die Grinders	26



# Make Easy Work Out Of A Daily Grind

Force grinders are ready to take on any application with the power to make the job fast and easy. This means new speeds and attachments to handle increased precision with ergonomic comfort.

# **Force Grinders**

Our line-up of Force Grinders continues to be among the most popular in the industry. The choice of light, medium and heavy-duty performance allow you to own the right tool for the right job that remains cost-effective. We have both straight and right angle models to fit any application

Our Pencil Die Grinders are lightweight powerhouses with a choice of either 50,000 rpm or an incredible 70,000 rpm for exceptional performance.

# Safety

When operating any grinding tool be sure to follow all safety requirements and always wear eye and face protection. Doing so will protect both the operator and the tool.

## **STRAIGHT DIE GRINDER**

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- Model No. 5978A
- Twist throttle
- · Remote exhaust
- Built-in speed regulator
- Power: 0.1 hp (0.07 kw) • Free speed: 54,000 rpm
- Collet size: 1/8"
- Weight: 0.25 lb (0.11 kg)
- Length: 5.3" (135 mm)
- 60" (1,524 mm) hose with hose protector included
- Air Consumption: 4.2 cfm (118 l/s) avg. 16.8 cfm (474 l/s) max.



## **Pencil Die Grinder**

#### Model No. 5979A

- Twist throttle
- Remote exhaust
- Built-in speed regulator
- Power: 0.1 hp (0.07 kw)
- Free speed: 70,000 rpm
- Collet size: 1/8"
- Weight: 0.25 lb (0.11 kg)
- Length: 5.3" (135 mm)
- 60" (1,524 mm) hose with hose protector included
- Air Consumption: 5.3 cfm (150 l/s) avg. 21.2 cfm (598 l/s) max.

#### Light Duty Die Grinder

#### Model No. 5053A

- Lockoff lever throttle
- Comfort Grip
- Front exhaust
- · Built-in speed regulator
- Aluminum housing
- Power: 0.3 hp (0.2 kw)
- Free speed: 26,000 rpm
- Collet size: 1/4"
- Weight: 0.8 lb (0.4 kg)
- Length: 5.3" (135 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4.0 cfm (113 l/s) avg. 16.0 cfm (452 l/s) max.



#### Medium Duty Die Grinder

#### Model No. 5054A

- Lockoff lever throttle
- Comfort Grip
- Rear exhaust
- Built-in speed regulator
- Aluminum housing
- Power: 0.5 hp (0.4 kw)
- Free speed: 22,000 rpm
- Collet size: 1/4"
- Weight: 1.3 lb (0.6 kg)
- Length: 6.5" (165 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 4.0 cfm (113 l/s) avg. 16.0 cfm (452 l/s) max.



# **RIGHT ANGLE DIE GRINDERS**



- Length: 10.0" (254 mm)
  Head Height: 3.5" (90 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.3cfm (94 l/s) avg. 13.2 cfm (373 l/s) max.
- Length: 10.0" (254 mm)
- Head Height: 3.5" (90 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.3cfm (94 l/s) avg. 13.2 cfm (373 l/s) max.



SIOUX TOOLS FORCE PRODUCT CATALOG I FINISHING





# **Finishing Index**

Sanders	 	 	29
Polishers	 	 	30
Finishing Accessories	 	 30	) - 31

# The Best Way To A Great Finish

If you're in the market for tough tools that will deliver the performance you demand, then you've found what you need with Force sanders, polishers and buffers. These exceptional tools take on any application from repair and maintenance to manufacturing. With state-of-the-art orbital sanders, polishers and buffers you will get your work done faster and more efficiently than ever.

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.

SIOUX

Variety to choose from We also offer pistol grip, right angle, vertical, and inline sanders and polishers. Many of these come with your choice of throttle controls that allow the operator to work the way that's most comfortable.

SICUX

5265

BACKING

5020

## SANDERS



- Recommended hose size: 3/8" (10 mm)
- Air Consumption: 3.0 cfm (85 l/s) avg. 12.0 cfm (340 l/s) max.



## POLISHER

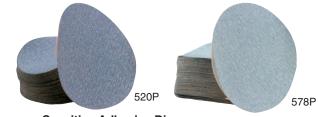
# **FINISHING ACCESSORIES**



**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.

Part Number	Diameter		Decking	Drefile	Chule	
Part Number	In.	mm	Backing	Profile	Style	
593	5	125	PSA1	Low	Non-Vac	
593V	5	125	PSA1	Low	Vacuum	
593J	5	125	H&L2	Low	Non-Vac	
593JV	5	125	H&L2	Low	Vacuum	
594	6	150	PSA1	Tapered	Non-Vac	
594V	6	150	PSA1	Tapered	Vacuum	
594J	6	150	H&L2	Tapered	Non-Vac	
594JV	6	150	H&L2	Tapered	Vacuum	



# Pressure Sensitive Adhesive Discs

For use with PSA Backing Pads Packaged in cartons of 100

Part Number	Diar	neter	Grit	Features
Part Number	In.	mm	Grit	reatures
519P	5	125	240	
520P	5	125	180	
521P	5	125	100	
519PV	5	125	240	Vacuum pickup holes
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



# Speed-Lok Backing Pads

For use on tools with 1/4" collets

Part Number	Dian	neter	Shank Size
	In.	mm	Shark Size
587M	2	50	1/4"
588M	3	75	1/4"



# Speed-Lok Abrasive Discs

For use on Speed-Lok Backing Pads (Above)

Part Number	Diar	neter	Grit
Part Number	In.	mm	Grit
587-60	2	50	60
587-120	2	50	120
587-240	2	50	240
588-60	3	75	60
588-120	3	75	120
588-240	3	75	240



## **FINISHING ACCESSORIES**

1211

1214

For Use On



## **Backing Pads**

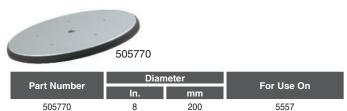
For use on tools with 1/4" collets

Dout Noushou	Dia	meter	Faulta On
Part Number	ln.	mm	For Use On
581*	5	125	7/16"-20 spindle thread
2344*	5	125	3/8"-24 spindle thread
2364*	5	125	5/8"-11 spindle thread
*includes disc nut 5	63		

-	5205		5207
Part Number	Dian In.	neter mm	For Use On
5205+	5	125	5265
5207*	7	180	5287A & 5238A

\*includes disc nut No. 67630

+does not include disc nut No. 67630 (order separately)



505079

Deut Number	Dian	neter	For Use On	
Part Number	In.	mm	For Use On	
505079	2.75 X 17.5	70 X 445	5560	



Fibre Backing Discs Part No. 586 For use on 5540 series sander Packaged in cartons of 6 Qty 3 - 3" (75 mm) Qty 3 - 4-1/2" (110 mm) Both have 7/8" (22 mm) arbor hole



846C	Backing pad (includes 524)	All Polishers
1211	Wool polishing pad	All Polishers
524	Retaining nut	846C
847	Hook & loop backing pad	5238A
1220	Hook & loop polishing pad	5238A
1214	Polishing pad cleaning tool	
650	650-C	5151

Description

1220

## **Sanding Accessories**

846 C

847

**Polishing Accessories** 

Part Number

Part Number	Description	For Use On
650	2" ROL-LOC Pad	5200
	(1/4" - 20 Thread)	
650-C	2" Coarse Sanding Pad	5200
	(ROL-LOC Thread)	
5151	3" Hook & Loop Interface Pad	5201
515-600	3" 600 Grit Hook & Loop	5201
	Abrasive Disc	

515-600

# NOTES



SIOUX TOOLS FORCE PRODUCT CATALOG | PERCUSIVE



## **Percussive Index**

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# 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!

# **Force Tools**

Our Force line-up of hammers deliver up to 4,800 blows per minute with stoke lengths from 1.8" (46 mm) to 3.8" (97 mm) and accept a .401 Parker Taper shank. Force hammers are also available in complete kits and come in durable carrying cases. Our lineup of Force scalers includes a weld flux scaler and mini-needle scaler that delivers 4,000 blows per minute with a 2" (50 mm) stroke.

We also feature a pistol grip needle scaler with a 3" (75 mm) stroke that delivers 3,000 blows per minute. You'll find a complete list of accessories for all Sioux percussive tools in the accessory section of this catalog.

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# HAMMERS SCALERS





## **SCALERS PERCUSSIVE ACCESSORIES**



# **Needle Scaler**

## Model No. 5266

- Steel housing
- Hardened steel barrel and piston
- Stroke length: 2.0" (51 mm)
- Bore diameter: 1.0" (25 mm)
- Blows per minute: 4000
- Weight 5.7 lb (2.6 kg)
- Length: 16.1" (409 mm)
- Air inlet size: 1/4" NPT
- Recommended hose size: 3/8" (10 mm)
  19 0.12" (3 mm) Dia. x 7" (180 mm) long needles included

#### ACCESSORIES



#### **Beehive Spring Retainers**

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

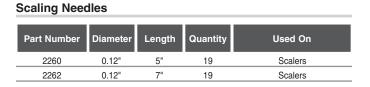
# 2228



270 Rivet Sets 3-1/2" Overall Length

		Rivet	Diameter	Size	
Rivet Head Cupping	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	2241



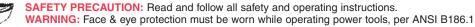


Dout Number	Number Description		idth	Len	igth
Part Number	Description	In.	mm	In.	mm
2201	Cutter			6	150
2202	Chisel			6	150
2203	Rivet Buster	5/8	16	5 1/2	140
2204	Expansion Chisel	5/8	16	11	280
2205	Scraper	1 1/4	30	6	150
2206	Punch			7	175
2210	Punch			5	127
2217	Rust Breaker			5 1/4	135
2212	Spot 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

**Hammer Accessories** .401 Parker Taper shank

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SIOUX TOOLS FORCE PRODUCT CATALOG | SPECIALTY

South





Reciprocating Air Saw		 								39
Air Engraving Pen		 								39
Cut-off Tool		 								39

# Special Applications Require Special Tools

Sioux Tools has a history of designing specialty tools for very specific applications, and as always, we manufacture the finest tools in the industry. These tools will live up to your expectations in both power and ergonomics.

# **Reciprocating Saw**

Operating at 10,000 strokes per minute, this powerful saw features an adjustable blade guard, lock-off lever throttle and a built-in speed regulator.

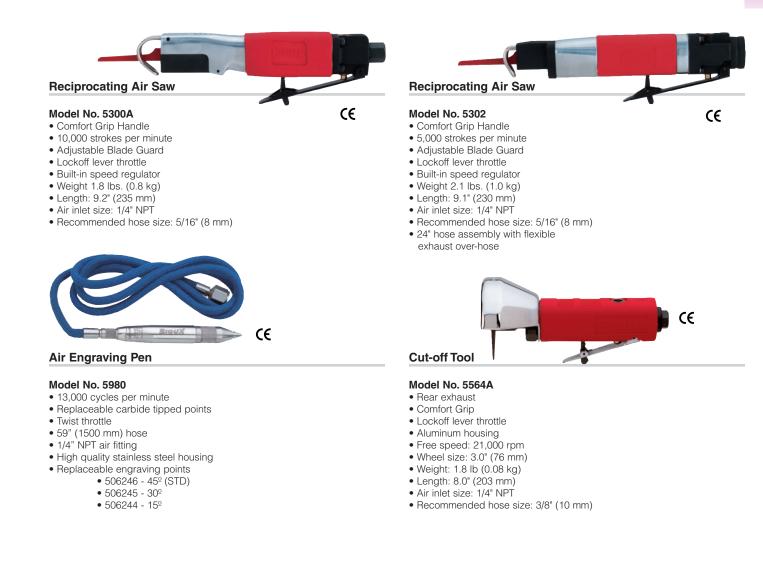
## **Cut-off Tool**

We designed our cut-off tool to operate with a free speed of 22,000 and a lock-off lever throttle. The lightweight aluminum housing and rear exhaust make it very comfortable to operate.

# **Selection**

If your application requires routers, tappers or metalworking tools like nibblers, check out the extensive line of Sioux Industrial Tools for a complete listing.

# RECIPROCATING AIR SAW AIR ENGRAVING PEN CUT-OFF TOLL







#### Air Hoses

Part Number	l.	D.	Length		
Part Number	ln.	mm	ft	m	Fittings
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



**Quick Change Couplers** 

Part Number

Description

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





Thread

### **High-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	1/4" 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



#### **Balancers**

Dant Number	Cap	pacity	Cable L	.ength
Part Number	lb	mm	ft	m
2300-4	2 - 4	0.9 - 1.8	5.2	1.6
2300-6	4 - 6	1.8 - 2.7	6.7	2.0
2300-8	6 - 8	2.7 - 3.6	6.7	2.0



## **Sioux-Per Swivel**

Allows the air hose to rotate 360° on 2 axes Part No. 1338-25

1/4" non-regulated air swivel connector with safety pin design Part No. 1338-38

3/8" non-regulated air swivel connector with safety pin design Part No. 1338-50

1/2" non-regulated air swivel connector with safety pin design Part No. 1338FC-25

1/4" regulated air swivel connector with safety pin design



#### **Air Regulator** Part No. 1335 1/4" NPT Male / Female

Air Motor Oil For Air Tools

Part No. 288 1/2 Pint

Part No. 288-1 1 Quart

Part No. 288-2 2 Liter







# Filter, Regulator, Lubricator Assembly

Part No. 1660 1/2" NPT fittings

flow:		cfm

Part Number	Description				
1660	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				

# 1326

## Nylon Recoil Air Hose

Davit Niemalaan	I.	D.	Lei	ngth	<b>F</b> 1411
Part Number	in.	mm	ft	m	Fittings
1326	1/4	6	25	11	1/4" NPT
1327	3/8	10	25	11	1/4" NPT

## 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



## Filter, Regulator, Lubricator Assembly

Part No. 1651MA 3/4" NPT air fittings

Air	flow:	over	75	cfm	

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	

## Grease Gun

Part No. 442 Used on Impacts and Tools with greaseable gears

### 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

# **Regular Grease Fitting**

Part No. 442R Used with No. 442 grease gun

## **Small Grease Fitting**

Part No. 442S Used with No. 442 grease gun



# **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.





# SIOUX TOOLS FORCE PRODUCT CATALOG | TRAINING

# **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.

# **CONVERSION CHART I** SIOUX TOOLS FORCE PRODUCT CATALOG

INCH	DECIMAL	MILLIMETER	MILLIMETERS	INCHES	MILLIMETERS	INCHES	FOOT	NEWTON	FOOT	NEWTON
1/64	.0156	0.397	26	1.0236	90	3.5433	POUNDS	METERS	POUNDS	METERS
1/32	.0312 .0394	0.794 1.000	27	1.0630	91	3.5827	10	13.5	75	101.7
3/64	.0394	1.191	28	1.1024	92	3.6220	11	14.9	76	103.0
1/16	.0625	1.587	29	1.1417	93	3.6614	12	16.3	77	104.4
5/64	.0781	1.984	30	1.1811	94	3.7008	13	17.6	78	105.8
3/32	.0787	2.000 2.381	31	1.2205	95	3.7402	14	18.9	79	107.1
7/64	.1094	2.778	32	1.2598	96	3.7795	15	20.3	80	108.5
1/0	.1181	3.000	33	1.2992	97	3.8189	16	21.7	81	109.8
1/8 9/64	.1250 .1406	3.175 3.572	34	1.3386	98	3.8583	17	23.0	82	111.2
5/32	.1562	3.969	35	1.3780	99	3.8976	18	24.4	83	112.5
11/04	.1575	4.000	36	1.4173	100	3.9370	19	25.8	84	113.9
11/64 3/16	.1719 .1875	4.366 4.762	37	1.4567	110	4.3307	20	27.1	85	115.2
0/10	.1968	5.000	38	1.4961	120	4.7244	21	28.4	86	116.6
13/64	.2031	5.159	39	1.5354	130 140	5.1181 5.5118	22	29.8	87	117.9
7/32 15/64	.2187 .2344	5.556 5.953	40	1.5748	150	5.9055	23	31.2	88	119.3
15/04	.2362	6.000	41	1.6142	160	6.2992	24	32.5	89	120.7
1/4	.2500	6.350	42	1.6535	200	7.8740	25	33.9	90	122.0
17/64	.2656 .2756	6.747 7.000	43	1.6929	300	11.8110	26	35.3	91	123.4
9/32	.2812	7.144	44	1.7323	400	15.7480	27	36.6	92	124.7
19/64	.2969	7.541	45	1.7717	500	19.6850	28	38.0	93	126.0
5/16	.3125	7.937	46	1.8110	600	23.6220	29	39.3	94	127.4
21/64	. <u>3150</u> .3281	8.000 8.334	47	1.8504	700	27.5591	30	40.7	95	128.8
11/32	.3437	8.731	48	1.8898	800	31.4961	31	42.0	96	130.2
02/64	.3543	9.000	49	1.9291	900	35.4331	32	43.4	97	131.5
23/64 3/8	.3594 .3750	9.128 9.525	50	1.9685	1000	39.3701	33	44.7	98	132.9
25/64	.3906	9.922	51	2.0079			34	46.1	99	134.2
10/00	.3937	10.000	52	2.0472	INCH	NEWTON	35	47.5	100	135.6
13/32 27/64	.4062 .4219	10.319 10.716	53	2.0866	POUNDS	METERS	36	48.8	110	149.0
21/04	.4331	11.000	54	2.1260			37	50.2	115	156.0
7/16	.4375	11.112	55	2.1654	5	0.565	38	51.5	120	163.0
29/64 15/32	.4531 .4687	11.509 11.906	56	2.2047	10	1.13	39	52.9	125	170.0
10/02	.4724	12.000	57	2.2441	15	1.70	40	54.2	130	176.0
31/64	.4844	12.303	58	2.2835	20	2.26	41	55.6	135	183.0
1/2	.5000 .5118	12.700 13.000	59	2.3228	25 30	2.83 3.39	42	56.9	140	190.0
33/64	.5156	13.097	60	2.3622	35	3.96	43	58.3	145	197.0
17/32	.5312	13.494	61	2.4016	40	4.52	44	59.7	150	203.0
35/64	.5469 .5512	13.891 14.000	62	2.4409	45	5.09	45	61.0	155	210.0
9/16	.5625	14.000	63	2.4803	50	5.65	46	62.4	160	217.0
37/64	.5781	14.684	64	2.5197	60	6.78	47	63.7	165	224.0
19/32	.5906 .5937	15.000 15.081	65	2.5591	70	7.91	48	65.0	170	231.0
39/64	.6094	15.478	66	2.5984	80	9.04	49	66.4	175	237.0
5/8	.6250	15.875	67	2.6378	90	10.17	50	67.8	180	244.0
41/64	.6299	16.000	68	2.6772	100	11.3	51	69.1	185	251.0
41/64 21/32	.6406 .6562	16.272 16.669	69	2.7165	110	12.4	52	70.5	190	258.0
	.6693	17.000	70	2.7559	120	13.6	53	71.9	195	264.0
43/64	.6719	17.066	71	2.7953	130	14.7	54	73.2	200	271.0
11/16 45/64	.6875 .7031	17.462 17.859	72	2.8346	140	15.8	55	74.6	225	305.0
	.7087	18.000	73	2.8740	150	17.0	56	75.9	250	339.0
23/32	.7187	18.256 18.653	74	2.9134	160 170	18.1	57	77.3	275	373.0
47/64	.7344 .7480	18.653	75	2.9528	170 180	19.2 20.3	58	78.6	300	407.0
3/4	.7500	19.050	76	2.9921	190	20.3 21.5	59	80.0	350	474.0
49/64	.7656	19.447	77	3.0315	200	21.5	60	81.3	400	542.0
25/32	.7812 .7874	19.844 20.000	78	3.0709	200	22.0	61	82.7		
51/64	.7969	20.241	79	3.1102	FOOT	NEWTON	62	84.0		
13/16	.8125	20.637	80	3.1496	POUNDS	METERS	63	85.4	HEX S	ОСКЕТ
53/64	.8268 .8281	21.000 21.034	81	3.1890			64	86.8		RSIONS
27/32	.8437	21.431	82	3.2283	1	1.356	65	88.1	10mm	=0.394"
55/64	.8594	21.828	83	3.2677	2	2.7	66	89.5		=0.394 =0.433"
7/8	.8661 .8750	22.000 22.225	84	3.3071	3	4.0	67	90.8	12mm	=0.472"
57/64	.8906	22.622	85	3.3465	4	5.4	68	92.2		=0.512"
00/02	.9055	23.000	86	3.3858	5	6.8	69	93.5		=0.551" =0.591"
29/32 59/64	.9062 .9219	23.019 23.416	87	3.4252	6	8.1	70	94.9	16mm:	=0.630"
15/16	.9219	23.416	88	3.4646	7	9.5	71	96.3	17mm:	=0.669"
	.9449	24.000	89	3.5039	8	10.8	72	97.6		=0.704" =0.748"
61/64 31/32	.9531 .9687	24.209 24.606			9	12.2	73	99.0		=0.748 =0.787"
31/32	.9687	24.606 25.000					74	100.3		=0.827"
63/64	.9844	25.003	Inch Lbs. x 0.1	13=Nm <sup>.</sup>	Nm x 8.849=ln	ch Lbs.: F	t. Lbs x 1.3	56=Nm <sup>.</sup>	Nm x 0 73	7=Ft. Lbs.
	1.0000	25.400				, 1				

# **U.S. Independent Service Centers**

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

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

Fall River Burns Inc 350 Mariano S Biship 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

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

# **U.S. Independent Service Centers**

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 Greenlewn 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

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

# **Canadian Independent Service Centers**

#### 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

& 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

# 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

Buhler Industrial Carretera Norte Frente a Planta Enel Managua Nicaragua Phone: (505) 249-3613

## 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

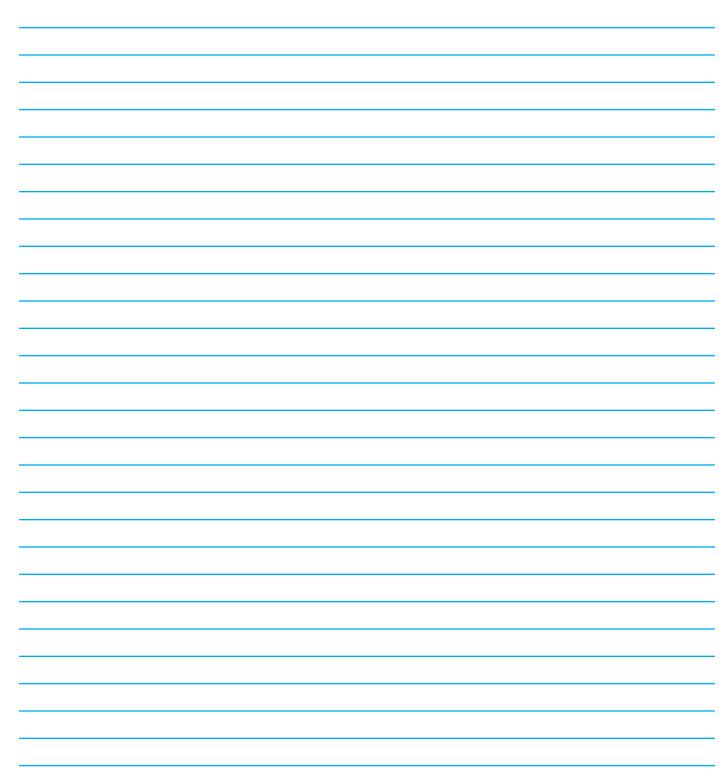
#### BRAZIL

Sebra 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

# **NOTES**





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 Australia Tel.: 61 (0)2 9837 9100 Fax: 61 (0)2 9624 2578 e-mail: SOTA.customerservice@snapon.com



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