

ASSEMBLY



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ASSEMBLY

Combining Efficiency, Reliability and Value...

Putting it all together

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

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

Exclusive Designs

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

Impact Wrenches

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

Screwdrivers

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

Nutrunners

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

Assembly Safety

Broken sockets, bits and adapters can cause injury.

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

Sudden and unexpected tool movement can cause injury.

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

Tools starting unexpectedly can cause injury.

Always remove the tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on the tool.

Falling tools can cause injury.

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

Assembly Principles of Operation

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

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

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

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

An Easy Drive Home



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

Configurations

Sioux screwdrivers are available in pistol grip, inline, right angle and our exclusive Z-handle configurations. Most screwdriver models offer your choice of Quick Change or Locking Internal Hex spindles. The spring-loaded chuck on the Quick Change



allows for fast, easy bit changes without the need for additional tools or hardware. The slimmer design of the Locking Internal Hex ensures that the bit stays firmly in place until you choose to remove it with the aid of a vise or pliers.

Reducing Physical Load

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

Clutch Selection

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

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

Stall Drive – Spindle is coupled directly with the output of the motor. Final torque is reached when resistance of the fastener overcomes the torque output of the motor. Final torque can be influenced by air pressure and/or operator twisting the tool.


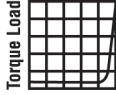

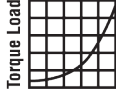
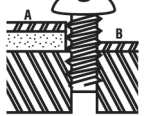
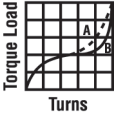





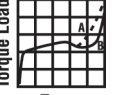
For prevailing torque or soft pull applications involving machine, wood, or self-tapping screws.

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

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

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

Clutch Selection Guide

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

Tool Selection Guide

Considerations for Selecting Screwdrivers

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

What is being assembled?

What is the production rate?

What material is involved?

Are there clearance problems?

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

What handle style is required (straight or pistol)?

What screw size (standard or metric)?

Is the tool to be hand held or fixtured?

What U.S. grade or metric class?

What type of clutch?

What torque (inch pounds or Newton meters)?

Speed required?

What torque tolerance (accuracy)?

Is there a need for a reversible tool?

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

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

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

How is the application being done now?

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

Special consideration?

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

.4 Series Tools – 2 to 60 in lb of torque. (Fasteners up to 1/4")

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

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

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

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

Application & Material Guide

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

What are the torque requirements?

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

A. Stall or direct clutch gives the most torque.

B. Positive clutch tools are operator influenced.

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

D. Torque control is available on No 1

At what angle or position will the tool be used?

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

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

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

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

Is reversing necessary?

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

Is the application operator influenced or restricted?

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

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

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

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

1. 2" long wood screw

4. Pistol will work best

2. Hard Wood use positive clutch

5. Need reversing

3. SSD10P20PS – 100 in lbs

6. Mostly male workers

























Screwdriver Maintenance



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

Guide to Fasteners

Guide To Fasteners

| Screw Type | Standard Nosepieces Available For All Fasteners Shown Below | | | | |
|-------------------------------|---|---|--|---|---|
| Wood Screws |  flat head |  round head |  oval head | | |
| Machine Screws |  round head |  flat head |  fillister head |  oval head | |
| |  truss head |  binding head |  washer head* |  pan head | |
| |  flat side binding head |  fillister pan head |  flat fillister head |  undercut flat head | |
| |  knob screw head |  lentil head |  Jackson head |  undercut oval head | |
| Tapping or Sheet Metal Screws |  round head |  flat head |  oval head |  pan head |  truss head |

Drive Systems

* Special bits required for Clutch and Torx internal and external. Call factory.



POSITIVE CLUTCH PISTOL GRIP & T-HANDLE SCREWDRIVERS



Performance:

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

Features:

Reversible and Non-reversible
Trigger or Shuttle Reverse
Comfort Grip

Positive Clutch Pistol Grip & T-Handle Screwdrivers



| Model Number | Max Torque¹ (Soft Joint) | | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | |
|--|--------------------------|------|------------|--------|------|--------|-----|----------------|----|-----------------|-----|
| | in lb | Nm | | lb | kg | in | mm | in | mm | scfm | l/s |
| 0.4 hp (0.3 kW) Trigger Start - Shuttle Reverse | | | | | | | | | | | |
| SSD4P5P | 95 | 10.7 | 500 | 1.8 | 0.8 | 7.0 | 178 | 0.7 | 17 | 20 | 10 |
| SSD4P7P | 65 | 7.3 | 700 | 1.8 | 0.8 | 7.0 | 178 | 0.7 | 17 | 20 | 10 |
| SSD4P11P | 45 | 5.1 | 1100 | 1.8 | 0.8 | 7.0 | 178 | 0.7 | 17 | 20 | 10 |
| SSD4P14P | 35 | 3.9 | 1400 | 1.6 | 0.7 | 6.5 | 165 | 0.7 | 17 | 20 | 10 |
| SSD4P18P | 26 | 2.9 | 1800 | 1.6 | 0.7 | 6.5 | 165 | 0.7 | 17 | 20 | 10 |
| SSD4P26P | 20 | 2.3 | 2600 | 1.6 | 0.7 | 6.5 | 165 | 0.7 | 17 | 20 | 10 |
| 0.4 hp (0.3 kW) Trigger Start - Shuttle Reverse | | | | | | | | | | | |
| SSD4P18PRR | 26 | 2.9 | 1800 | 1.6 | 0.7 | 6.5 | 165 | 0.7 | 17 | 20 | 10 |
| SSD4P26PRR | 20 | 2.3 | 2600 | 1.6 | 0.7 | 6.5 | 165 | 0.7 | 17 | 20 | 10 |
| 0.6 hp (0.45 kW) Medium Clutch Screwdrivers – 1/4" Quick Change | | | | | | | | | | | |
| SSD6P12P | 100 | 11.3 | 1200 | 2.6 | 1.18 | 8.6 | 218 | 0.8 | 20 | 25 | 12 |
| SSD6P20P | 55 | 6.2 | 2000 | 2.2 | 0.98 | 6.8 | 171 | 0.8 | 20 | 25 | 12 |
| SSD6P20PSRR | 55 | 6.2 | 2000 | 2.2 | 0.98 | 6.8 | 171 | 0.8 | 20 | 25 | 12 |
| SSD6P25P | 40 | 4.5 | 2500 | 2.2 | 0.98 | 6.8 | 171 | 0.8 | 20 | 25 | 12 |
| SSD6P25PSRR | 40 | 4.5 | 2500 | 2.2 | 0.98 | 6.8 | 171 | 0.8 | 20 | 25 | 12 |
| 1 hp (0.75 kW) Medium Torque Clutch Screwdrivers – 1/4" Quick Change | | | | | | | | | | | |
| SSD10P12P | 135 | 15.3 | 1200 | 2.8 | 1.30 | 9.1 | 231 | 0.8 | 20 | 30 | 14 |
| SSD10P20P | 70 | 7.9 | 2000 | 2.4 | 1.07 | 7.3 | 185 | 0.8 | 20 | 30 | 14 |
| SSD10P25P | 50 | 5.7 | 2500 | 2.4 | 1.07 | 7.3 | 185 | 0.8 | 20 | 30 | 14 |
| 1 hp (0.75 kW) High Torque Clutch Screwdrivers – 1/4" Quick Change | | | | | | | | | | | |
| SSD10P12PS | 145 | 16.4 | 1200 | 2.8 | 1.30 | 9.1 | 231 | 0.8 | 20 | 30 | 14 |
| SSD10P20PS | 80 | 9.0 | 2000 | 2.4 | 1.07 | 7.3 | 185 | 0.8 | 20 | 30 | 14 |
| SSD10P25PS | 58 | 6.5 | 2500 | 2.4 | 1.07 | 7.3 | 185 | 0.8 | 20 | 30 | 14 |
| 1 hp (0.75 kW) – Medium Torque Positive Clutch Rapid Reverse Screwdriver | | | | | | | | | | | |
| SSD10P20PRR | 70 | 7.9 | 2000 | 2.4 | 1.07 | 7.3 | 185 | 0.8 | 20 | 30 | 14 |
| SSD10P25PRR | 50 | 5.7 | 2500 | 2.4 | 1.07 | 7.3 | 185 | 0.8 | 20 | 30 | 14 |
| 3 Series T-Handle – 7/16" Quick Change | | | | | | | | | | | |
| 3T2303¹ | 216 | 24.4 | 850 | 6.7 | 3.0 | 33 | 840 | 1 | 25 | 33 | 16 |

¹ Torque output varies with force exerted by operator

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

Standard Equipment: Parts List • Safety and Instruction Manual

Accessories: Screwdriver Accessories, see page 41



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

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

POSITIVE CLUTCH INLINE SCREWDRIVER

Performance:

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

Features:

Reversible
Lever Start
Rear Exhaust

Positive Clutch Inline Screwdrivers



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

¹ Torque output varies with force exerted by operator

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

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

Accessories: Screwdriver Accessories, see page 41



1SM2103

STALL PISTOL GRIP SCREWDRIVERS

Performance:

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

Features:

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

Stall Pistol Grip Screwdrivers



| Model Number | Max Torque (Soft Joint) | | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | |
|---|----------------------------|------|---------------|--------|------|--------|-----|-------------------|----|--------------------|-----|
| | in lb | Nm | rpm | lb | kg | in | mm | in | mm | scfm | l/s |
| 0.4 hp (0.3 kW) Trigger Start - Shuttle Reverse | | | | | | | | | | | |
| SSD4P5S | 95 | 10.7 | 500 | 1.5 | 0.7 | 5.5 | 140 | 0.7 | 17 | 20 | 10 |
| SSD4P7S | 65 | 7.3 | 700 | 1.5 | 0.7 | 5.5 | 140 | 0.7 | 17 | 20 | 10 |
| SSD4P11S | 45 | 5.1 | 1100 | 1.5 | 0.7 | 5.5 | 140 | 0.7 | 17 | 20 | 10 |
| SSD4P14S | 35 | 3.9 | 1400 | 1.3 | 0.6 | 5.0 | 127 | 0.7 | 17 | 20 | 10 |
| SSD4P18S | 26 | 2.9 | 1800 | 1.3 | 0.6 | 5.0 | 127 | 0.7 | 17 | 20 | 10 |
| SSD4P26S | 20 | 2.3 | 2600 | 1.3 | 0.6 | 5.0 | 127 | 0.7 | 17 | 20 | 10 |
| 0.4 hp (0.3 kW) Trigger Start - Rapid Reverse | | | | | | | | | | | |
| SSD4P18SRR | 26 | 2.9 | 1800 | 1.3 | 0.6 | 5.0 | 127 | 0.7 | 17 | 20 | 10 |
| SSD4P26SRR | 20 | 2.3 | 2600 | 1.3 | 0.6 | 5.0 | 127 | 0.7 | 17 | 20 | 10 |
| 0.6 hp (0.45 kW) Trigger Start - Shuttle Reverse | | | | | | | | | | | |
| SSD6P7S | 155 | 17.8 | 700 | 2.4 | 1.10 | 6.8 | 171 | 0.8 | 20 | 25 | 12 |
| SSD6P12S | 100 | 11.3 | 1200 | 2.4 | 1.10 | 6.8 | 171 | 0.8 | 20 | 25 | 12 |
| SSD6P20S | 55 | 6.2 | 2000 | 2.0 | 0.90 | 5.8 | 146 | 0.8 | 20 | 25 | 12 |
| SSD6P25S | 40 | 4.5 | 2500 | 2.0 | 0.90 | 5.8 | 146 | 0.8 | 20 | 25 | 12 |
| 0.6 hp (0.45 kW) Trigger Start - Rapid Reverse | | | | | | | | | | | |
| SSD6P20SRR | 55 | 6.2 | 2000 | 2.0 | 0.90 | 5.8 | 146 | 0.8 | 20 | 25 | 12 |
| 1 hp (0.75 kW) Trigger Start - Shuttle Reverse | | | | | | | | | | | |
| SSD10P3S | 400 | 45.2 | 300 | 2.6 | 1.17 | 7.5 | 191 | 0.8 | 20 | 30 | 14 |
| SSD10P5S | 325 | 36.7 | 500 | 2.6 | 1.17 | 7.5 | 191 | 0.8 | 20 | 30 | 14 |
| SSD10P7S | 220 | 24.9 | 700 | 2.6 | 1.17 | 7.5 | 191 | 0.8 | 20 | 30 | 14 |
| SSD10P12S | 145 | 16.4 | 1200 | 2.6 | 1.17 | 7.5 | 191 | 0.8 | 20 | 30 | 14 |
| SSD10P20S | 80 | 9.0 | 2000 | 2.2 | 0.98 | 6.5 | 165 | 0.8 | 20 | 30 | 14 |
| SSD10P25S | 58 | 6.6 | 2500 | 2.2 | 0.98 | 6.5 | 165 | 0.8 | 20 | 30 | 14 |
| 1 hp (0.75 kW) - Stall Rapid Reverse | | | | | | | | | | | |
| SSD10P20SRR | 80 | 9.0 | 2000 | 2.2 | 0.98 | 6.5 | 165 | 0.8 | 20 | 30 | 14 |

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 3/8" (10 mm)

Performance rated @ 90 psig (6.2 bar) air pressure

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

Accessories: Screwdriver Accessories, see pages 41



SSD4P26S



SSD6P20S



SSD10P20SRR



SSD10P20S



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

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

STALL INLINE SCREWDRIVERS

Performance:

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

Features:

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



1SM2107



SSD10S20S

Stall Inline Screwdrivers



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

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

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

Accessories: Screwdriver Accessories, see page 41



WARNING



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

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

ADJUSTABLE CLUTCH PISTOL GRIP SCREWDRIVERS

Performance:

Torque: 17 in lb (1.9 Nm) – 140 in lb (15.8 Nm)
Speed: 300 rpm – 2,600 rpm

Features:

Reversible
Rapid or Shuttle Reverse
Comfort Grip

Adjustable Clutch Pistol Grip Screwdrivers



SSD4P26AC



SSD10P20AC

SSD6P20AC



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

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

Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip • Clutch Adjustment Wrench • Applicable Clutch Springs

Accessories: Screwdriver Accessories, see page 41



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

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

ADJUSTABLE CLUTCH INLINE SCREWDRIVERS

Performance:

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

Features:

Reversible
Rear Exhaust
External Clutch Adjustment

1SM2105Q



1SM2405



SSD10S20AC



Adjustable Clutch Inline Screwdrivers



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

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

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

Accessories: Screwdriver Accessories, see page 41



WARNING



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

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

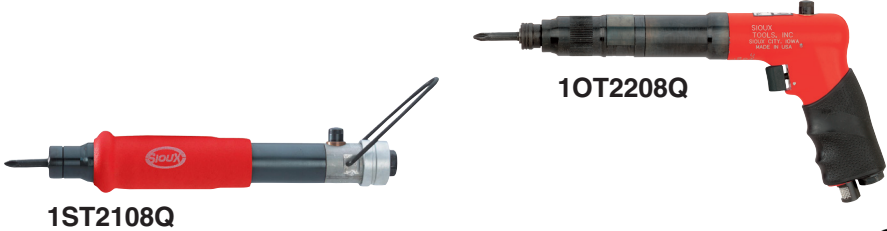
TORQUE CONTROL SCREWDRIVERS

Performance:

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

Features:

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



Torque Control Screwdrivers



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

General: Air Inlet Size: 1/4" NPT • Recommended Hose Size: 1/4" (6 mm) (1OT, 1ST series) • Performance rated @ 90 psig (6.2 bar) air pressure
Standard Equipment: Parts List • Safety and Instruction Manual • Comfort Grip • Suspension Bail (Inline models) • All Applicable Clutch Springs
Accessories: Screwdriver Accessories, see page 41



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

RIGHT ANGLE SCREWDRIVERS



1AM2105



1AM2101

1.3"



SSD10A10S

Performance:

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

Features:

Stall Drive & Adjustable Clutch
Button Reverse
Lever Start
Rear Exhaust

Right Angle Screwdrivers



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

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

Standard Equipment: Comfort Grip (1AM series)

Accessories: Screwdriver Accessories, see page 41



WARNING



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

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

RIGHT ANGLE NUTRUNNERS



3A2104



1AM2106

SNR10A10S

**Performance:**

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

Features:

Reversible
Lever Start
Rear and Side Exhaust

Right Angle Nutrunners

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

¹ Not CE Certified

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

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

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

Accessories: Nutrunner Accessories, see page 41



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

RATCHET WRENCHES



Performance:

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

Features:

Lever Start
Teasing Throttle
Comfort Grip



SRW03S-25

Ratchet Wrenches

| Model Number | Drive Size | | Torque | | Free Speed | Weight | | Length | | Side to Center | | Air Consumption | | Exhaust |
|------------------|------------|----|--------|----|------------|--------|-----|--------|-----|----------------|----|-----------------|-----|---------|
| | in | mm | ft lb | Nm | rpm | lb | kg | in | mm | in | mm | scfm | l/s | |
| 0.3 hp (0.25 kW) | | | | | | | | | | | | | | |
| SRW03S-25 | 1/4" | 6 | 35 | 47 | 235 | 1.4 | 0.6 | 7.7 | 197 | 1.1 | 28 | 11 | 5.2 | Rear |
| SRW03S-38 | 3/8" | 10 | 35 | 47 | 235 | 1.4 | 0.6 | 7.7 | 197 | 1.1 | 28 | 11 | 5.2 | Rear |
| SRW03S-38Q | 3/8" | 10 | 35 | 47 | 235 | 1.4 | 0.6 | 7.7 | 197 | 1.1 | 28 | 11 | 5.2 | Rear |

General:

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

Standard Equipment:

Parts List • Safety and Instruction Manual • Boot for Head

Accessories:

Ratchet Accessories, see page 41



SRW07-38

Performance:

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

Ratchet Wrenches

| Model Number | Drive Size | | Torque | | Free Speed | Weight | | Length | | Side to Center | | Air Consumption | | Exhaust |
|------------------|------------|----|--------|----|------------|--------|-----|--------|-----|----------------|----|-----------------|-----|---------|
| | in | mm | ft lb | Nm | rpm | lb | kg | in | mm | in | mm | scfm | l/s | |
| 0.7 hp (0.52 kW) | | | | | | | | | | | | | | |
| SRW07-38 | 3/8" | 10 | 65 | 88 | 260 | 3.0 | 1.3 | 11.8 | 300 | 1.0 | 25 | 30 | 14 | Front |
| SRW07-50 | 1/2" | 13 | 65 | 88 | 260 | 3.0 | 1.3 | 11.8 | 300 | 1.0 | 25 | 30 | 14 | Front |

General:

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

Standard Equipment:

Parts List • Safety and Instruction Manual • Boot for Head

Accessories:

Ratchet Accessories, see page 41



WARNING



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

ASSEMBLY

We're Making A Big Impact

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

Choice of Configuration

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

Industrial Impact Tools

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

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

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

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

Impact Wrench Principles of Operation

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

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

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

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

Class of Service

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

Low production – large machinery assembly

Maintenance or repair work

Job Conditions

Hard pull-up – rigid joint

Soft pull-up – spring joint

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

Material

Metal-to-metal

Metal/gasket

Rubber or plastic

Assembly Method

General tightening – operator judgement

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

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

IMPACT DRIVERS

Performance:

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

Features:

Pistol Grip
 Belt Clip



IW38TBP-2Q



IW38TBP-3P

1/4" QC & 3/8" Impact Drivers

| Model Number | Drive Size | Working Torque Range ¹ | | Maximum Torque | | Blows Per Minute | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | | Socket Retainer Style |
|--------------|------------|-----------------------------------|-------|----------------|----|------------------|------------|--------|-----|--------|-----|----------------|----|-----------------|-----|-----------------------|
| | in | ft lb | Nm | ft lb | Nm | | rpm | lb | kg | in | mm | in | mm | scfm | l/s | |
| IW38TBP-2Q | 1/4 QC | 10-70 | 13-95 | 70 | 95 | 2000 | 8000 | 2.1 | 1.0 | 6.3 | 160 | 0.9 | 22 | 20 | 9 | QC |
| IW38TBP-3P | 3/8 | 10-70 | 13-95 | 70 | 95 | 2000 | 8000 | 2.1 | 1.0 | 6.3 | 160 | 0.9 | 22 | 20 | 9 | Pin |

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

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

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

Accessories: Impact Wrench Accessories, see page 41



ID375AP-2Q



ID375AP-2QRR



IW375AP-3P



3/8" Pinned Anvil



3/8" Friction Ring Anvil

Key Features:

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

Applications:

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



1/4" Quick Change

1/4" QC & 3/8" Impact Drivers

| Model Number | Drive Size | Working Torque Range ¹ | | Maximum Torque | | Blows Per Minute | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | | Socket Retainer Style |
|--------------|------------|-----------------------------------|--------|----------------|-----|------------------|------------|--------|-----|--------|-----|----------------|----|-----------------|-----|-----------------------|
| | in | ft lb | Nm | ft lb | Nm | | rpm | lb | kg | in | mm | in | mm | scfm | l/s | |
| ID375AP-2Q | 1/4 QC | 10-55 | 13-75 | 60 | 80 | 5000 | 4000 | 2.5 | 1.1 | 8.5 | 216 | 0.85 | 21 | 25 | 12 | Quick Change |
| ID375AP-2QRR | 1/4 QC | 10-55 | 13-75 | 60 | 80 | 5000 | 4000 | 2.5 | 1.1 | 8.5 | 216 | 0.85 | 21 | 25 | 12 | Quick Change |
| IW375AP-3P | 3/8 | 10-95 | 13-130 | 100 | 135 | 5000 | 4000 | 2.5 | 1.1 | 8.5 | 216 | 0.85 | 21 | 25 | 12 | Pin |
| IW375AP-3F | 3/8 | 10-95 | 13-130 | 100 | 135 | 5000 | 4000 | 2.5 | 1.1 | 8.5 | 216 | 0.85 | 21 | 25 | 12 | Ring |

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

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

Standard Equipment: Parts List • Safety and Instruction Manual

Accessories: Impact Wrench Accessories, see page 41



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

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

1/2" IMPACT WRENCHES



IW500MP-4R



IW500MP-4R3



IW500MP-4PT
Tethered



IW500MP-7Q

Performance:

Working Torque: 100 ft lb (135 Nm) – 625 ft lb (1058 Nm)

Drive Size: 7/16" QC – 1/2"

Bolt Capacity: 9/16" (14 mm) – 5/8" (16 mm)

Features:

High power to weight ratio

Forged Aluminum Anvil Housing

One Hand Forward/Reverse Operation

1/2" Impact Wrenches



| Model Number | Drive Size | Bolt Cap Grade 5 | | Working Torque Range¹ | | Maximum Torque | | Blows Per Minute | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | | Socket Retainer Style |
|--------------|------------|------------------|----|-----------------------|---------|----------------|------|------------------|------------|--------|-----|--------|-----|----------------|----|-----------------|-----|-----------------------|
| | in | in | mm | ft lb | Nm | ft lb | Nm | | rpm | lb | kg | in | mm | in | mm | scfm | l/s | |
| IW500MP-4R | 1/2 | 5/8 | 16 | 100-625 | 135-845 | 780 | 1058 | 1200 | 9400 | 4.2 | 1.9 | 7.0 | 178 | 1.5 | 38 | 28 | 13 | Ring |
| IW500MP-4R3 | 1/2 | 5/8 | 16 | 100-625 | 135-845 | 780 | 1058 | 1200 | 9400 | 4.4 | 2.0 | 10.0 | 254 | 1.5 | 38 | 28 | 13 | Ring |
| IW500MP-4P | 1/2 | 5/8 | 16 | 100-625 | 135-845 | 780 | 1058 | 1200 | 9400 | 4.2 | 1.9 | 7.0 | 178 | 1.5 | 38 | 28 | 13 | Pin |
| IW500MP-4P3 | 1/2 | 5/8 | 16 | 100-625 | 135-845 | 780 | 1058 | 1200 | 9400 | 4.4 | 2.0 | 10.0 | 254 | 1.5 | 38 | 28 | 13 | Pin |
| IW500MP-4PT | 1/2 | 5/8 | 16 | 625 | 845 | 780 | 1058 | 1200 | 9400 | 4.3 | 1.9 | 7.0 | 178 | 1.6 | 40 | 28 | 13 | Pin |
| IW500MP-7Q | 7/16 QC | 9/16 | 14 | 80-500 | 110-675 | 600 | 810 | 1200 | 9400 | 4.3 | 2.0 | 7.4 | 188 | 1.5 | 38 | 28 | 13 | QC |

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

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

Standard Equipment: Parts List • Safety and Instruction Manual

Accessories: Impact Wrench Accessories, see page 41



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" & 1" IMPACT WRENCHES



IW750MP-6P



IW750MP-6PT



IW75BP-6H

Performance:

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

Features:

One hand Forward / Reverse operation
Long-life Impact mechanism
Aluminum nose
Lightweight Aluminum / Composite (IW750)
Heavy Duty Steel / Aluminum (IW75)

Heavy Duty Impact Wrenches

| Model Number | Drive Size | Bolt Cap Grade 5 | | Maximum Working Torque ¹ | | Maximum Torque | | Blows Per Minute | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | | Socket Retainer Style |
|--------------|------------|------------------|----|-------------------------------------|------|----------------|------|------------------|------------|--------|------|--------|-----|----------------|----|-----------------|-----|-----------------------|
| | | in | mm | ft lb | Nm | ft lb | Nm | | | lb | kg | in | mm | in | mm | scfm | l/s | |
| IW750MP-6P | 3/4 | 3/4 | 19 | 800 | 1085 | 1050 | 1423 | 1050 | 6700 | 7.5 | 3.44 | 8.5 | 215 | 1.65 | 42 | 55 | 26 | Pin |
| IW750MP-6PT | 3/4 | 3/4 | 19 | 800 | 1085 | 1050 | 1423 | 1050 | 6700 | 7.6 | 3.5 | 8.5 | 215 | 1.8 | 46 | 55 | 26 | Pin |
| IW750MP-6H | 3/4 | 3/4 | 19 | 800 | 1085 | 1050 | 1423 | 1050 | 6700 | 7.5 | 3.44 | 8.5 | 215 | 1.65 | 42 | 55 | 26 | Hole |
| IW750MP-6R | 3/4 | 3/4 | 19 | 800 | 1085 | 1050 | 1423 | 1050 | 6700 | 7.5 | 3.44 | 8.5 | 215 | 1.65 | 42 | 55 | 26 | Friction Ring |
| IW75BP-6H | 3/4 | 3/4 | 19 | 800 | 1085 | 1000 | 1356 | 1000 | 5700 | 11.6 | 5.3 | 7.6 | 193 | 1.75 | 45 | 52 | 24 | Hole |
| IW75BP-8H | 1 | 3/4 | 19 | 825 | 1119 | 1100 | 1492 | 1000 | 5700 | 11.7 | 5.3 | 7.6 | 193 | 1.75 | 45 | 52 | 24 | Hole |

CE

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

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

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

Accessories: Impact Wrench Accessories, see page 41



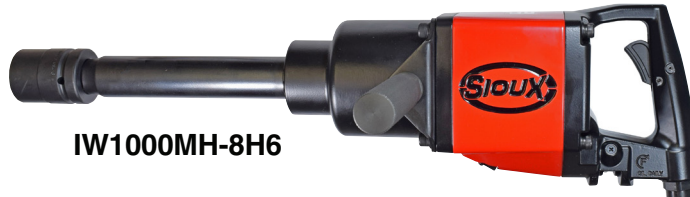
SAFETY PRECAUTION: Read and follow all safety and operating instructions.
WARNING: Face & eye protection must be worn while operating power tools, per ANSI B186.1

1", 1-1/2" IMPACT WRENCHES

IW1000MP-8H



IW1000MH-8H6



Performance:

Working Torque: 1,200 ft lb (1630 Nm) – 2,500 ft lb (3390 Nm)

Drive Size: 1" – 1-1/2", #5 Spline

Bolt Capacity: 1-1/4" (32 mm) – 2" (50 mm)

Features:

D-Handle

Inside and Outside Trigger

Steel Anvil Housing



IW1000MH-5S

1", 1-1/2" Impact Wrenches



| Model Number | Drive Size | Bolt Cap Grade 5 | | Maximum Working Torque ¹ | | Maximum Torque | | Blows Per Minute | Free Speed | Weight | | Length | | Side To Center | | Air Consumption | | Socket Retainer Style |
|----------------------------|------------|------------------|----|-------------------------------------|------|----------------|------|------------------|------------|--------|------|--------|-----|----------------|----|-----------------|-----|-----------------------|
| | in | in | mm | ft lb | Nm | ft lb | Nm | | rpm | lb | kg | in | mm | in | mm | scfm | l/s | |
| D-Handle – Inside Trigger | | | | | | | | | | | | | | | | | | |
| IW1000MP-8H | 1 | 1-1/4 | 32 | 1200 | 1630 | 1700 | 2300 | 825 | 6500 | 18.2 | 8.3 | 14.8 | 376 | 1.85 | 47 | 52 | 24 | Hole/Ring |
| IW1000MP-8H5 | 1 | 1-1/4 | 32 | 1200 | 1630 | 1700 | 2300 | 825 | 6500 | 19.7 | 8.9 | 19.3 | 490 | 1.85 | 47 | 52 | 24 | Hole/Ring |
| IW1000MP-8H8 | 1 | 1-1/4 | 32 | 1200 | 1630 | 1700 | 2300 | 825 | 6500 | 20.7 | 9.4 | 22.3 | 556 | 1.85 | 47 | 52 | 24 | Hole/Ring |
| IW1000MH-8H | 1 | 1-1/2 | 39 | 2100 | 2840 | 2500 | 3380 | 800 | 4000 | 33.4 | 15.2 | 17.0 | 430 | 2.5 | 65 | 62 | 29 | Hole/Ring |
| IW1000MH-8H6 | 1 | 1-1/2 | 39 | 2100 | 2840 | 2500 | 3380 | 800 | 4000 | 37.3 | 16.9 | 24.1 | 610 | 2.5 | 65 | 62 | 29 | Hole/Ring |
| IW1000MH-5S | #5 Spline | 1-1/2 | 39 | 2100 | 2840 | 2500 | 3380 | 800 | 4000 | 33.7 | 15.3 | 17.6 | 445 | 2.5 | 65 | 62 | 29 | Hole/Ring |
| IW150HAI-5S | #5 Spline | 2 | 50 | 2500 | 3390 | 3000 | 4070 | 650 | 3750 | 33.0 | 15.0 | 14.5 | 368 | 2.5 | 65 | 64 | 30 | Hole |
| IW150HAI-12H | 1-1/2 | 2 | 50 | 2500 | 3390 | 3000 | 4070 | 650 | 3750 | 33.1 | 15.0 | 14.5 | 368 | 2.5 | 65 | 64 | 30 | Hole |
| D-Handle – Outside Trigger | | | | | | | | | | | | | | | | | | |
| IW150HAO-5S | #5 Spline | 2 | 50 | 2500 | 3390 | 3000 | 4070 | 650 | 3750 | 33.0 | 15.0 | 14.5 | 368 | 2.5 | 65 | 64 | 30 | Hole |
| IW150HAO-12H | 1-1/2 | 2 | 50 | 2500 | 3390 | 3000 | 4070 | 650 | 3750 | 33.0 | 15.0 | 14.5 | 368 | 2.5 | 65 | 64 | 30 | Hole |

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

General: Air Inlet Size: 1/2" NPT • Recommended Hose Size: 3/4" (19 mm) • Performance rated @ 90 psig (6.2 bar) air pressure

Standard Equipment: Parts List • Safety and Instruction Manual • Support handle (D-Handle models)

Accessories: Impact Wrench Accessories, see page 41

SIOUX SWIVEL

Sioux Swivel

| Part Number | Description |
|-------------|---|
| 1338-25 | 1/4" non-regulated air swivel connector with safety pin |
| 1338-38 | 3/8" non-regulated air swivel connector with safety pin |
| 1338-50 | 1/2" non-regulated air swivel connector with safety pin |
| 1338FC-25 | 1/4" regulated air swivel connector with safety pin |

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



1338-25



1338FC-25


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

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

Clutch Springs



41284
(Green)



41249B



66048
(Silver)



66049
(Blue)



66050
(Green)

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

Tether Plate Kits for Impact Wrenches*



IW500-3



74994A

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

*See Page 35 for Impacts with Pre-Installed Tether

Comfort Grips



66124



68340



66193

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

Boots

For use on IW500MP models



IW500MP-BOOT

Support Handles



77067A

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



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