

 PNEUMATIC TOOLS  
**SHINANO INC.**  
MADE IN JAPAN  
<http://www.shinanoinc.com/>

You Tube



# CATALOG

2016-2017 Vol.1

**QUALITY  
JAPANESE  
AIR TOOLS**

- IMPACT WRENCHES
- DRIVERS
- RATCHET WRENCHES
- SANDERS
- POLISHERS
- GRINDERS
- DRILLS/SPOTMILLS
- CUTTING TOOLS
- OTHERS

# JAPAN QUALITY

## Sophisticated and Functional Design

Our tools are the result of over 45 years of pneumatic tool design. Our experience in research, engineering and production techniques, have created a line of high performance tools that are durable, reliable and easy to use.

## Perfection

Our customers needs are our top priority. Performance, quality, noise control and user safety, we stand by our products and strive for excellence.

This is our promise of the SI mark.



## The Green Project

Shinano contribute to environmental protection

### Solar power generation

The Solar power generation business was started from January, 2013 as an activity which utilizes renewable energy effectively for global environment protection

We are reducing the CO<sub>2</sub> in the same amount as the 20,000 trees in one year



Saikama Prefecture, SHINANO INC. Head quarters



Kagoshima Prefecture



Wakayama Prefecture



### ISO9001 Management system certificate



JQA-QMA13047



CM009



JQA-QMA13047



091

Shinano Inc was established in 1949, specialising in Pneumatic Tools from 1969. Building on our experience, we achieve excellent results in build quality, accuracy and user safety. With more than a hundred tools in the range, Shinano Inc is one of the worlds largest manufacturers of pneumatic tools.

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## Viewpoint of the catalogue page

**Viewpoint of the product page**

Model Number: **SI-1365** (3/8" Impact Wrench)

Explanation:

- The ultimate design for a 3/8" sq drive impact wrench
- Precision machined air motor for durability Muffled exhaust for industrial use

Explanation of Clutch: **Double Hammer**

Attachment Included: **458-58**

Maximum Torque: **100Nm**

Product image:

Specification:

- Maximum Torque Nm/(ft-lb): 100/(74)
- Working Torque Range Nm/(ft-lb): 0-80/(0-59)
- Bolt Size mm/(in.): 10/(3/8)
- Free Speed r.p.m.: 8,000
- Weight kg/(lb): 1.31/(2.89)
- Noise Level dBA/(power): 91/(102)
- Vibration a/rk m/s<sup>2</sup>: 8.3/1.3
- Avg Air Consumption CFM/(L/S): 3.3/(1.6)
- Air Inlet Size in.: 1/4
- Hose Size mm/(in.): 10/(3/8)

Figure of dimensions:

**Viewpoint of the accessories list**

CUTTING TOOLS ACCESSORIES	Attachment & Standard Accessories					
	306-49A	1025-49A	1025-56A	1026-49A	506P-56F	506P-58F
SI-4700B	★	★	★			
SI-4730		★	★	★	★	★
SI-4710	★	★	★	★	★	★
SI-4710F	★	★	★	★	★	★
SI-4740				★	★	★
SI-4740F				★	★	★

Model Number: **SI-4700B**

Option: **306-49A**

Accessories Number: **506P-58F**



SI-1490BSR

# IMPACT WRENCHES



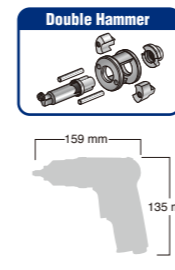
- 1/4" IMPACT WRENCHES
- 3/8" IMPACT WRENCHES
- 1/2" IMPACT WRENCHES
- 3/4" IMPACT WRENCHES
- 1" IMPACT WRENCHES
- 1-1/2" IMPACT WRENCH

## IMPACT WRENCHES

1/2" Impact Wrenches · 1/4" Impact Wrench · 3/8" Impact Wrenches

### SI-1310S 1/4" Impact Wrench      SI-1315S 3/8" Impact Wrench

- Composite body absorbs the vibration remarkably well and also protects your hand from the cold.
- Compact, lightweight, and a "feather touch" trigger for easy operation.
- Rear exhaust from handle-end directs air away from operator and workplace.



**SI-1310S**  
Maximum Torque :  
**40Nm**

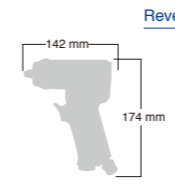
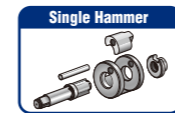


**SI-1315S**  
Maximum Torque :  
**60Nm**

	SI-1310S	SI-1315S
Maximum Torque Nm/(ft-lb)	40/(30)	60/(44)
Working Torque Range Nm/(ft-lb)	0-35/(0-26)	0-50/(0-37)
Bolt Cap mm/(in.)	8/(5/16)	10/(3/8)
Free Speed r.p.m.	10,000	10,000
Weight kg/(lb)	0.63/(1.39)	0.63/(1.39)
Noise Level dBA/(power)	86/(97)	86/(97)
Vibration a/k m/s <sup>2</sup>	4.8/0.9	4.9/1.0
Avg. Air Consumption CFM/(L/S)	2.1/(1.0)	2.1/(1.0)
Air Inlet Size in.	1/4	1/4
Hose Size mm/(in.)	10/(3/8)	10/(3/8)

### SI-1355 3/8" Impact Wrench      SI-1365 3/8" Impact Wrench

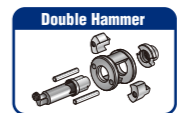
- Standard impact wrench with front exhaust
- Push button action for reverse



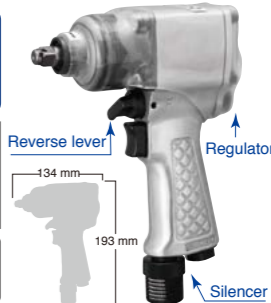
Maximum Torque :  
**90Nm**

Maximum Torque Nm/(ft-lb)	90/(66)
Working Torque Range Nm/(ft-lb)	0-75/(0-55)
Bolt Cap mm/(in.)	10/(3/8)
Free Speed r.p.m.	9,000
Weight kg/(lb)	1.12/(2.47)
Noise Level dBA/(power)	80/(91)
Vibration a/k m/s <sup>2</sup>	3.3/0.8
Avg. Air Consumption CFM/(L/S)	2.7/(1.5)
Air Inlet Size in.	1/4
Hose Size mm/(in.)	10/(3/8)

- The ultimate design for a 3/8" sq drive impact wrench
- Precision machined air motor for durability Muffled exhaust for industrial use



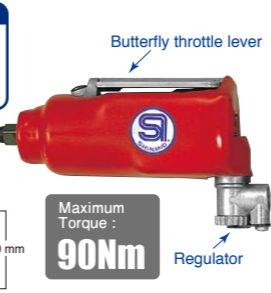
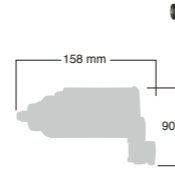
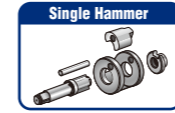
Maximum Torque :  
**100Nm**



Maximum Torque Nm/(ft-lb)	100/(74)
Working Torque Range Nm/(ft-lb)	0-80/(0-59)
Bolt Cap mm/(in.)	10/(3/8)
Free Speed r.p.m.	8,000
Weight kg/(lb)	1.31/(2.89)
Noise Level dBA/(power)	91/(102)
Vibration a/k m/s <sup>2</sup>	8.3/1.3
Avg. Air Consumption CFM/(L/S)	3.3/(1.6)
Air Inlet Size in.	1/4
Hose Size mm/(in.)	10/(3/8)

### SI-1305 3/8" Impact Wrench      SI-1650AH 1/2" Impact Wrench

- 3/8"sq.palm grip Impact with butterfly throttle lever for quick and easy single hand operation
- 360° Air inlet swivel for easy manoeuvring



Maximum Torque :  
**90Nm**

Maximum Torque Nm/(ft-lb)	90/(66)
Working Torque Range Nm/(ft-lb)	0-75/(0-55)
Bolt Cap mm/(in.)	10/(3/8)
Free Speed r.p.m.	9,000
Weight kg/(lb)	0.94/(2.08)
Noise Level dBA/(power)	91/(102)
Vibration a/k m/s <sup>2</sup>	3.8/0.8
Avg. Air Consumption CFM/(L/S)	2.8/(1.3)
Air Inlet Size in.	1/4
Hose Size mm/(in.)	10/(3/8)

- 90° head model
- Possible to turn the head 360°
- Ideal for changing the blade of tractors and farming equipment



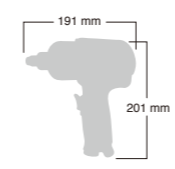
Maximum Torque :  
**350Nm**



Maximum Torque Nm/(ft-lb)	350/(258)
Working Torque Range Nm/(ft-lb)	0-280/(0-207)
Bolt Cap mm/(in.)	16/(5/8)
Free Speed r.p.m.	(F)7,500 (R)8,000
Weight kg/(lb)	2.80/(6.17)
Noise Level dBA/(power)	91/(102)
Vibration a/k m/s <sup>2</sup>	18.1/2.2
Avg. Air Consumption CFM/(L/S)	4.0/(1.9)
Air Inlet Size in.	1/4
Hose Size mm/(in.)	10/(3/8)

### SI-1420T 1/2" Impact Wrench      SI-1422T 1/2" Impact Wrench with 2" Extended Anvil

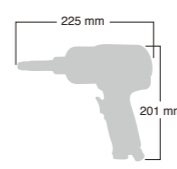
- Higher powered impact wrench with 1/2"sq. anvil
- The twin hammer clutch delivers higher torque and faster power delivery



Maximum Torque :  
**500Nm**

Maximum Torque Nm/(ft-lb)	500/(369)
Working Torque Range Nm/(ft-lb)	0-400/(0-295)
Bolt Cap mm/(in.)	18/(11/16)
Free Speed r.p.m.	6,000
Weight kg/(lb)	2.55/(5.62)
Noise Level dBA/(power)	91/(102)
Vibration a/k m/s <sup>2</sup>	7.3/1.2
Avg. Air Consumption CFM/(L/S)	4.0/(1.9)
Air Inlet Size in.	1/4
Hose Size mm/(in.)	10/(3/8)

- The same quality features of SI-1420T with 2" extended anvil



Maximum Torque :  
**480Nm**

Maximum Torque Nm/(ft-lb)	480/(354)
Working Torque Range Nm/(ft-lb)	0-360/(0-266)
Bolt Cap mm/(in.)	18/(11/16)
Free Speed r.p.m.	6,000
Weight kg/(lb)	2.65/(5.82)
Noise Level dBA/(power)	92/(103)
Vibration a/k m/s <sup>2</sup>	8.2/1.3
Avg. Air Consumption CFM/(L/S)	4.0/(1.9)
Air Inlet Size in.	1/4
Hose Size mm/(in.)	10/(3/8)

# IMPACT WRENCHES

1/2" Impact Wrenches · 3/8" Impact Wrenches

# IMPACT WRENCHES

3/8" Impact Wrenches · 1/2" Impact Wrenches · 3/4" Impact Wrenches

## SI-1610

1/2" Impact Wrench

## SI-1610SR

1/2" Impact Wrench

- Ergonomic design, compact, and lightweight for easy operation.
- One hand forward & reverse operation.
- Full power reverse helps to unfasten bolts quickly for changing wheels. (SI-1610SR)

Twin Hammer



Attachment Included



OPTION



Maximum Torque : **450Nm**

Easy to operate feather touch trigger

Rubber grip for reduced vibration and temperature stability

Integrated muffler for reduced noise level



SI-1610



Integrated 6 position direction & speed selector

SI-1610SR

SR: Full Power Reverse  
Forward Adjust 1~3  
Reverse Full Power Only



	SI-1610	SI-1610SR
Maximum Torque Nm/ (ft-lb)	450/(332)	450/(332)
Working Torque Range Nm/ (ft-lb)	0-320/(0-258)	0-320/(0-258)
Bolt Cap mm/ (in.)	18/(11/16)	18/(11/16)
Free Speed r.p.m.	(F)8,000 (R)8,500	(F)8,000 (R)8,500
Weight kg/ (lb)	1.04/(2.29)	1.04/(2.29)
Noise Level dBA/ (power)	94/(105)	94/(105)
Vibration a/k m/s <sup>2</sup>	8.6/1.3	8.6/1.3
Avg. Air Consumption CFM/ (L/S)	3.8/(1.8)	3.8/(1.8)
Air Inlet Size in.	1/4	1/4
Hose Size mm/ (in.)	10/(3/8)	10/(3/8)

## SI-1490B

1/2" Impact Wrench

## SI-1490BSR

1/2" Impact Wrench

- Light weight, high power and well balanced.
- 4 positions regulator dial for easy adjustment and it has an forward, reverse lever for easy adjustment.
- Integrated muffler for reduced noise level

Twin Hammer



Attachment Included



OPTION

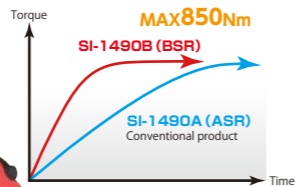


Maximum Torque : **850Nm**

Easy to operate feather touch trigger

Rubber grip for reduced vibration and temperature stability

Handle grip exhaust directs air away from operator and work space



SI-1490B



4 Position speed selector & Forward/Reverse selector

SR: Full Power Reverse  
Forward Adjust 1~4  
Reverse Full Power Only



	SI-1490B	SI-1490BSR
Maximum Torque Nm/ (ft-lb)	850/(627)	850/(627)
Working Torque Range Nm/ (ft-lb)	0-620/(0-457)	0-620/(0-457)
Bolt Cap mm/ (in.)	20/(3/4)	20/(3/4)
Free Speed r.p.m.	(F)8,000 (R)8,500	(F)8,000 (R)8,500
Weight kg/ (lb)	1.9/(4.19)	1.9/(4.19)
Noise Level dBA/ (power)	94/(105)	94/(105)
Vibration a/k m/s <sup>2</sup>	8.6/1.3	8.6/1.3
Avg. Air Consumption CFM/ (L/S)	5.1/(2.4)	5.1/(2.4)
Air Inlet Size in.	1/4	1/4
Hose Size mm/ (in.)	10/(3/8)	10/(3/8)

## SI-1357

3/8" Impact Wrench

- Ergonomic design, compact, and lightweight for easy operation.
- Easy to use in tight spaces.

Twin Hammer



Maximum Torque :

**200Nm**

Easy to operate feather touch trigger

Reverse lever

Rubber grip for reduced vibration and temperature stability

Maximum Torque Nm/ (ft-lb)	200/(147)
Working Torque Range Nm/ (ft-lb)	0-160/(0-118)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	(F)8,000 (R)9,000
Weight kg/ (lb)	1.10/(2.43)
Noise Level dBA/ (power)	92/(103)
Vibration a/k m/s <sup>2</sup>	7.6/1.2
Avg. Air Consumption CFM/ (L/S)	3.6/(1.7)
Air Inlet Size in.	1/4
Hose Size mm/ (in.)	10/(3/8)



Regulator Dial

## SI-1457

1/2" Impact Wrench

- Ergonomic design, compact, and lightweight for easy operation.
- Easy to use in tight spaces.

Twin Hammer



Maximum Torque :

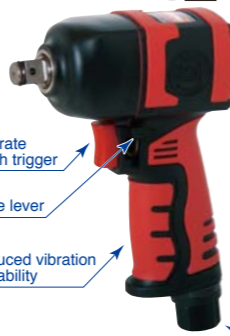
**350Nm**

Easy to operate feather touch trigger

Reverse lever

Rubber grip for reduced vibration and temperature stability

Maximum Torque Nm/ (ft-lb)	350/(258)
Working Torque Range Nm/ (ft-lb)	0-280/(0-207)
Bolt Cap mm/ (in.)	16/(5/8)
Free Speed r.p.m.	(F)8,000 (R)9,000
Weight kg/ (lb)	1.1/(2.43)
Noise Level dBA/ (power)	92/(103)
Vibration a/k m/s <sup>2</sup>	9.1/1.4
Avg. Air Consumption CFM/ (L/S)	3.6/(1.7)
Air Inlet Size in.	1/4
Hose Size mm/ (in.)	10/(3/8)



Regulator Dial

## SI-1605

3/8" Impact Wrench

## SI-1605SR

3/8" Impact Wrench

- Ergonomic design, compact, and lightweight for easy operation.
- Full power reverse helps to unfasten bolts quickly for changing wheels. (SI-1605SR)

Twin Hammer



Attachment Included



OPTION



Maximum Torque : **350Nm**

Easy to operate feather touch trigger

Rubber grip for reduced vibration and temperature stability

Integrated muffler for reduced noise level



SI-1605



Integrated 6 position direction & speed selector

SI-1605SR

SR: Full Power Reverse  
Forward Adjust 1~3  
Reverse Full Power Only



	SI-1605	SI-1605SR
Maximum Torque Nm/ (ft-lb)	350/(258)	350/(258)
Working Torque Range Nm/ (ft-lb)	0-280/(0-207)	0-280/(0-207)
Bolt Cap mm/ (in.)	16/(5/8)	16/(5/8)
Free Speed r.p.m.	(F)8,000 (R)8,500	(F)8,000 (R)8,500
Weight kg/ (lb)	1.03/(2.27)	1.03/(2.27)
Noise Level dBA/ (power)	94/(105)	94/(105)
Vibration a/k m/s <sup>2</sup>	8.6/1.3	8.6/1.3
Avg. Air Consumption CFM/ (L/S)	3.8/(1.8)	3.8/(1.8)
Air Inlet Size in.	1/4	1/4
Hose Size mm/ (in.)	10/(3/8)	10/(3/8)

## SI-1492B

1/2" Impact Wrench with 2" Extended Anvil

## SI-1492BSR

1/2" Impact Wrench with 2" Extended Anvil

- The same quality features of SI-1490B & SI-1490BSR with 2" extended anvil

Twin Hammer



Attachment Included



OPTION



Maximum Torque : **830Nm**

Easy to operate feather touch trigger

Rubber grip for reduced vibration and temperature stability

8 rotor blades make the strong power



8 rotor blades make the strong power

SI-1492B

SI-1492BSR

4 Position speed selector & Forward/Reverse selector

SR: Full Power Reverse  
Forward Adjust 1~4  
Reverse Full Power Only



	SI-1492B	SI-1492BSR
Maximum Torque Nm/ (ft-lb)	830/(612)	830/(612)
Working Torque Range Nm/ (ft-lb)	0-600/(0-443)	0-600/(0-443)
Bolt Cap mm/ (in.)	20/(3/4)	20/(3/4)
Free Speed r.p.m.	(F)8,000 (R)8,500	(F)8,000 (R)8,500
Weight kg/ (lb)	1.94/(4.28)	1.94/(4.28)
Noise Level dBA/ (power)	94/(105)	94/(105)
Vibration a/k m/s <sup>2</sup>	8.6/1.3	8.6/1.3
Avg. Air Consumption CFM/ (L/S)	5.1/(2.4)	5.1/(2.4)
Air Inlet Size in.	1/4	1/4
Hose Size mm/ (in.)	10/(3/8)	10/(3/8)

## SI-1550

3/4" Impact Wrench

## SI-1550SR

3/4" Impact Wrench

- Rubber grip absorbs the vibration remarkably well and also protects your hand from the cold.
- 4 positions regulator dial for easy adjustment and it has an forward, reverse for easy adjustment.

Twin Hammer



OPTION



Maximum Torque : **1,650Nm**

Easy to operate feather touch trigger

Rubber grip for reduced vibration and temperature stability

Handle grip exhaust directs air away from operator and work space



SI-1550



4 Position speed selector & Forward/Reverse selector

SR: Full Power Reverse  
Forward Adjust 1~4  
Reverse Full Power Only



	SI-1550	SI-1550SR
Maximum Torque Nm/ (ft-lb)	1,650/(1,217)	1,650/(1,217)
Working Torque Range Nm/ (ft-lb)	0-1,320/(0-974)	0-1,320/(0-974)
Bolt Cap mm/ (in.)	24/(15/16)	24/(15/16)
Free Speed r.p.m.	(F)6,000 (R)6,500	(F)6,000 (R)6,500
Weight kg/ (lb)	3.25/(7.7)	3.25/(7.7)
Noise Level dBA/ (power)	92/(103)	92/(103)
Vibration a/k m/s <sup>2</sup>	11.2/1.6	11.2/1.6
Avg. Air Consumption CFM/ (L/S)	8.0/(3.8)	8.0/(3.8)
Air Inlet Size in.	3/8	3/8
Hose Size mm/ (in.)	13/(1/2)	13/(1/2)

## SI-1556

3/4" Impact Wrench with 6" Extended Anvil

## SI-1556SR

3/4" Impact Wrench with 6" Extended Anvil

- SI-1550 & SI-1550SR with 6" extended anvil.
- 4 positions regulator dial for easy adjustment and it has an forward, reverse for easy adjustment.

Twin Hammer



OPTION

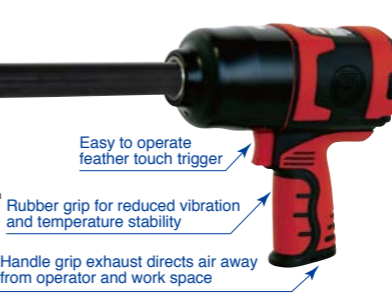


Maximum Torque : **1,550Nm**

Easy to operate feather touch trigger

Rubber grip for reduced vibration and temperature stability

Handle grip exhaust directs air away from operator and work space



SI-1556



4 Position speed selector & Forward/Reverse selector

SR: Full Power Reverse  
Forward Adjust 1~4  
Reverse Full Power Only

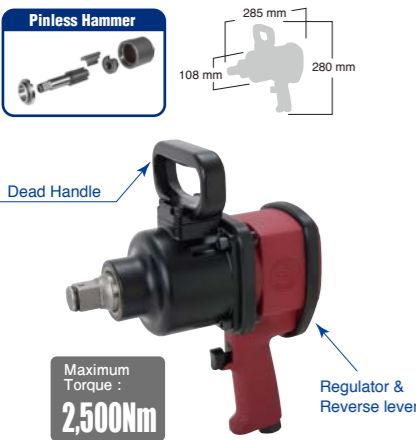


	SI-1556	SI-1556SR
Maximum Torque Nm/ (ft-lb)	1,550/(1,143)	1,550/(1,143)
Working Torque Range Nm/ (ft-lb)	0-1,240/(0-915)	0-1,240/(0-915)
Bolt Cap mm/ (in.)	24/(15/16)	24/(15/16)
Free Speed r.p.m.	(F)6,000 (R)6,500	(F)6,000 (R)6,500
Weight kg/ (lb)	3.95/(8.71)	3.95/(8.71)
Noise Level dBA/ (power)	93/(104)	93/(104)
Vibration a/k m/s <sup>2</sup>	11.1/1.5	11.1/1.5
Avg. Air Consumption CFM/ (L/S)	8.0/(3.8)	8.0/(3.8)
Air Inlet Size in.	3/8	3/8
Hose Size mm/ (in.)	13/(1/2)	13/(1/2)

## SI-1860

1" Impact Wrench

- Pistol grip impact wrench with 1" sq. anvil.
- 3-piece body construction engineered for easy maintenance.
- Pinless Hammer Clutch for High Durability.



Maximum Torque Nm/(ft-lb)	2,500/(1,840)
Working Torque Range Nm/(ft-lb)	1,000-2,200/(740-1,620)
Bolt Cap mm/(in.)	41/(1-10/16)
Free Speed r.p.m.	4,700
Weight kg/(lb)	10.9/(24.0)
Noise Level dBA/(power)	94/(105)
Vibration a/k m/s <sup>2</sup>	8.8/1.3
Avg. Air Consumption CFM/(L/S)	13.8/(6.5)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1866

1" Impact Wrench with 6" Extended Anvil

- 6" extended anvil for easy reach into deep truck wheels.
- 3-piece body construction engineered for easy maintenance.
- Pinless Hammer Clutch for High Durability.

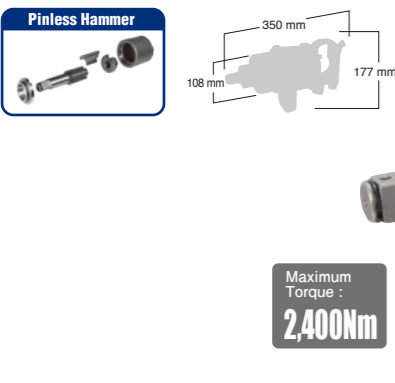


Maximum Torque Nm/(ft-lb)	2,400/(1,770)
Working Torque Range Nm/(ft-lb)	900-2,100/(670-1,550)
Bolt Cap mm/(in.)	41/(1-10/16)
Free Speed r.p.m.	4,700
Weight kg/(lb)	12.4/(27.3)
Noise Level dBA/(power)	95/(106)
Vibration a/k m/s <sup>2</sup>	8.3/1.3
Avg. Air Consumption CFM/(L/S)	13.8/(6.5)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1870

1" Impact Wrench

- Straight body impact wrench with 1" sq. anvil and D handle.
- 3-piece body construction engineered for easy maintenance.
- Pinless Hammer Clutch for High Durability.
- Removable support handle can be rotated for left hand or right hand use.

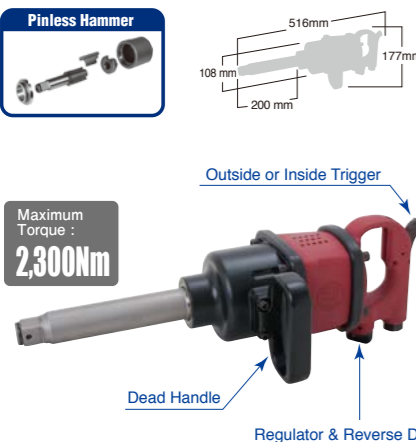


Maximum Torque Nm/(ft-lb)	2,400/(1,770)
Working Torque Range Nm/(ft-lb)	880-2,100/(650-1,550)
Bolt Cap mm/(in.)	41/(1-10/16)
Free Speed r.p.m.	4,400
Weight kg/(lb)	10.6/(23.4)
Noise Level dBA/(power)	94/(105)
Vibration a/k m/s <sup>2</sup>	9.3/1.4
Avg. Air Consumption CFM/(L/S)	11.5/(5.4)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1876

1" Impact Wrench with 6" Extended Anvil

- 6" extended anvil for easy reach into deep truck wheels.
- Pinless Hammer Clutch for High Durability.

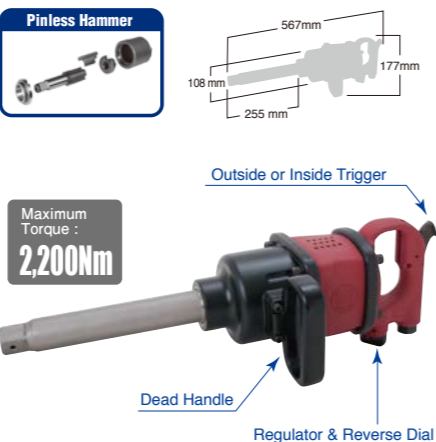


Maximum Torque Nm/(ft-lb)	2,300/(1,700)
Working Torque Range Nm/(ft-lb)	830-2,000/(610-1,470)
Bolt Cap mm/(in.)	40/(1-9/16)
Free Speed r.p.m.	4,400
Weight kg/(lb)	12.1/(26.7)
Noise Level dBA/(power)	94/(105)
Vibration a/k m/s <sup>2</sup>	12.1/1.7
Avg. Air Consumption CFM/(L/S)	11.5/(5.4)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1878

1" Impact Wrench with 8" Extended Anvil

- 8" extended anvil for easy reach into deep truck wheels.
- Pinless Hammer Clutch for High Durability.



Maximum Torque Nm/(ft-lb)	2,200/(1,630)
Working Torque Range Nm/(ft-lb)	800-1,900/(590-1,400)
Bolt Cap mm/(in.)	40/(1-9/16)
Free Speed r.p.m.	4,400
Weight kg/(lb)	12.3/(27.1)
Noise Level dBA/(power)	94/(105)
Vibration a/k m/s <sup>2</sup>	11.1/1.5
Avg. Air Consumption CFM/(L/S)	11.5/(5.4)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1880

1" Impact Wrench

- Heavy Duty high power 1" impact wrench
- 3-piece body construction engineered for easy maintenance.
- Pinless Hammer Clutch for High Durability.
- Removable support handle can be rotated for left hand or right hand use.



Maximum Torque Nm/(ft-lb)	3,300/(2,430)
Working Torque Range Nm/(ft-lb)	900-2,800/(660-2,060)
Bolt Cap mm/(in.)	50 (1-15/16)
Free Speed r.p.m.	3,000
Weight kg/(lb)	15.4/(33.8)
Noise Level dBA/(power)	92/(103)
Vibration a/k m/s <sup>2</sup>	8.3/1.3
Avg. Air Consumption CFM/(L/S)	10.7/(5.0)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1888

1" Impact Wrench with 8" Extended Anvil

- 8" extended anvil for easy reach into deep truck wheels.
- 3-piece body construction engineered for easy maintenance.
- Pinless Hammer Clutch for High Durability.
- Removable support handle can be rotated for left hand or right hand use.



Maximum Torque Nm/(ft-lb)	3,200/(2,360)
Working Torque Range Nm/(ft-lb)	800-2,700/(590-1,990)
Bolt Cap mm/(in.)	50/(1-15/16)
Free Speed r.p.m.	3,000
Weight kg/(lb)	17.1/(37.7)
Noise Level dBA/(power)	92/(103)
Vibration a/k m/s <sup>2</sup>	9.8/1.4
Avg. Air Consumption CFM/(L/S)	10.7/(5.0)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## SI-1900

1-1/2" Impact Wrench

- Heavy Duty impact wrench with 1-1/2" sq. anvil and D handle.
- 3-piece body construction engineered for easy maintenance.
- Removable support handle can be rotated for left hand or right hand use.



Maximum Torque Nm/(ft-lb)	5,500/(4,060)
Working Torque Range Nm/(ft-lb)	1,500-4,200/(1,110-3,100)
Bolt Cap mm/(in.)	55/(2-3/16)
Free Speed r.p.m.	3,600
Weight kg/(lb)	18.0/(39.7)
Noise Level dBA/(power)	107/(116)
Vibration m/s <sup>2</sup>	9.3
Avg. Air Consumption CFM/(L/S)	13.3/(6.3)
Air Inlet Size in.	1/2
Hose Size mm/(in.)	13/(1/2)

## EXPLANATION OF CLUTCH

Single Hammer	Double Hammer	Twin Hammer	Pin Clutch	Pinless Hammer
Single hammer makes one impact per rotation.	Two hammers makes two impacts per rotation.	Two hammers make one impact per rotation.	One hammer makes one impact per rotation	One hammer makes one impact per rotation
A single hammer is contained within the clutch rotor. This produces greater impact force per rotation and easy maintenance.	Twin hammers are contained within the clutch rotor. This design produces lower vibration levels and higher torque than a single hammer configuration.	This design is the most durable and light weight hammer configuration which produces less vibration, while maintaining high impact forces for its weight.	Cam driven engaging pins that extend and retract once per rotation, engaging the anvil with the hammer to produce high force impacts. This configuration produces the highest torque delivery in the range with minimum vibration.	The impact power is transmitted directly to the anvil by a unified hammer and hammer pin. This unified hammer configuration delivers high impact force with long service life and easy maintenance.



SI-1170

# DRIVERS

**IMPACT DRIVERS**  
**SCREW DRIVERS**

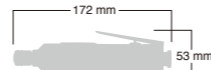
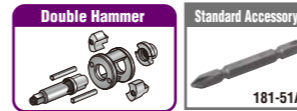


## DRIVERS Impact Drivers

### SI-1052

Impact Driver

- 6mm capacity straight grip impact driver
- Have regulator built-in
- Compact body design for reduce weight and easy operation



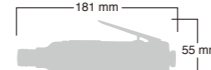
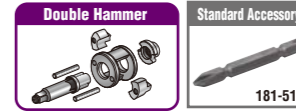
Reverse lever

Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	70/(51.6)
Working Torque Nm/(ft-lb)	0-60/(0-44)
Bolt Cap mm/(in.)	5/(3/16)
Free Speed r.p.m.	13,000
Weight kg/(lb)	0.56/(1.23)
Noise Level dBA/ (power)	90/(101)
Vibration a/k m/s <sup>2</sup>	9.3/1.4
Avg Air Consumption CFM/(L/S)	2.3/(1.1)
Air Inlet Size in.	1/4

### SI-1062

Impact Driver

- More powerful than SI-1052
- Built-in regulator
- Compact body design for reduce weight and easy operation



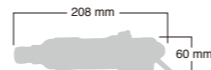
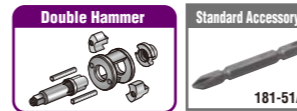
Reverse lever

Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	95/(70.1)
Working Torque Nm/(ft-lb)	0-70/(0-52)
Bolt Cap mm/(in.)	6/(1/4)
Free Speed r.p.m.	11,000
Weight kg/(lb)	0.79/(1.74)
Noise Level dBA/ (power)	87/(98)
Vibration a/k m/s <sup>2</sup>	9.8/1.4
Avg Air Consumption CFM/(L/S)	2.8/(1.3)
Air Inlet Size in.	1/4

### SI-1060

Impact Driver

- 6mm capacity straight grip impact driver
- Compact, lightweight, ergonomic design for easy operation
- General use



Regulator

Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	65/(47.9)
Working Torque Nm/(ft-lb)	0-50/(0-37)
Bolt Cap mm/(in.)	6/(1/4)
Free Speed r.p.m.	11,000
Weight kg/(lb)	0.87/(1.92)
Noise Level dBA/ (power)	89/(100)
Vibration a/k m/s <sup>2</sup>	10.8/2.8
Avg Air Consumption CFM/(L/S)	2.9/(1.4)
Air Inlet Size in.	1/4

### SI-1065

Impact Driver

- 6mm capacity pistol grip impact driver
- General use
- Ergonomic pistol grip for easy operation



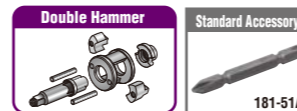
Reverse lever

Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	65/(47.9)
Working Torque Nm/(ft-lb)	0-45/(0-33)
Bolt Cap mm/(in.)	6/(1/4)
Free Speed r.p.m.	11,000
Weight kg/(lb)	0.98/(2.16)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	6.9/2.0
Avg Air Consumption CFM/(L/S)	3.4/(1.6)
Air Inlet Size in.	1/4

### SI-1356D

Impact Driver

- 8mm capacity pistol grip impact driver
- Double hammer mechanism



Regulator

Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	55/(40.6)
Working Torque Nm/(ft-lb)	0-45/(0-33)
Bolt Cap mm/(in.)	8/(5/16)
Free Speed r.p.m.	9,000
Weight kg/(lb)	1.22/(2.69)
Noise Level dBA/ (power)	87/(98)
Vibration a/k m/s <sup>2</sup>	6.6/1.1
Avg Air Consumption CFM/(L/S)	2.7/(1.3)
Air Inlet Size in.	1/4

### SI-1365D

Impact Driver

- 8mm capacity pistol grip impact driver
- Industrial use



Silencer

Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	70/(51.6)
Working Torque Nm/(ft-lb)	0-60/(0-44)
Bolt Cap mm/(in.)	8/(5/16)
Free Speed r.p.m.	8,000
Weight kg/(lb)	1.32/(2.92)
Noise Level dBA/ (power)	84/(95)
Vibration a/k m/s <sup>2</sup>	7.6/2.6
Avg Air Consumption CFM/(L/S)	3.3/(1.6)
Air Inlet Size in.	1/4

IMPACT WRENCHES  
DRIVERS  
MATCH WRENCHES  
SANDERS  
PUSHERS  
GRINDERS  
DRILLS  
SPINDLES  
CUTTING TOOLS  
OTHERS  
INDUSTRIAL TOOLS  
SOUND & VIBRATION  
MAINTENANCE CHECK  
QUALITY

**SI-1070**

Impact Driver

- 6mm capacity pistol grip impact driver
- General use
- Compact, lightweight and a "feather touch" trigger for easy operation.



Reverse lever



Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	35/(25.8)
Working Torque Nm/(ft-lb)	0-30/(0-22)
Bolt Cap mm/(in.)	6/(1/4)
Free Speed r.p.m.	11,000
Weight kg/(lb)	0.65/(1.43)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	6.4/2.1
Avg. Air Consumption CFM/(L/S)	2.1/(1.0)
Air Inlet Size in.	1/4

**SI-1170**

Screw Driver

- An adjustment ring with easy torque adjustment
- The full composite tool of an original design
- An oscillation is eased by a soft grip



Reverse lever

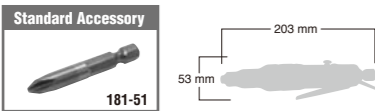


Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	20/(14.8)
Working Torque Nm/(ft-lb)	4-11/(2.9-8.1)
Bolt Cap mm/(in.)	8/(5/16)
Free Speed r.p.m.	700
Weight kg/(lb)	0.85/(1.87)
Noise Level dBA/(power)	85/(96)
Vibration a/k m/s <sup>2</sup>	0.8/0.5
Avg. Air Consumption CFM/(L/S)	2.3/(1.1)
Air Inlet Size in.	1/4

**SI-1140**

Screw Driver

- 4mm capacity straight grip screw driver
- Clutch mechanism for easy adjustment of maximum torque



Reverse Button



Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	1.5/(1.1)
Working Torque Nm/(ft-lb)	0.3-1.5/(0.2-1.1)
Bolt Cap mm/(in.)	4/(5/32)
Free Speed r.p.m.	1,700
Weight kg/(lb)	0.62/(1.36)
Noise Level dBA/(power)	80/(91)
Vibration a/k m/s <sup>2</sup>	0.2/0.5
Avg. Air Consumption CFM/(L/S)	1.9/(0.9)
Air Inlet Size in.	1/4

**SI-1161**

Screw Driver

- 6mm capacity straight grip screw driver
- Adjustable clutch
- Compact, lightweight, and ergonomic design for easy operation



Reverse Button



Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	5.0/(3.7)
Working Torque Nm/(ft-lb)	1.5-5.0/(1.1-3.7)
Bolt Cap mm/(in.)	6/(1/4)
Free Speed r.p.m.	1,600
Weight kg/(lb)	1.12/(2.46)
Noise Level dBA/(power)	85/(96)
Vibration a/k m/s <sup>2</sup>	0.3/0.5
Avg. Air Consumption CFM/(L/S)	2.8/(1.3)
Air Inlet Size in.	1/4

**SI-1166A**

Screw Driver

- 6mm capacity pistol grip screw driver Adjustable clutch
- Ergonomic pistol grip for easy operation



Reverse lever



Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	5.0/(3.7)
Working Torque Nm/(ft-lb)	1.5-5.0/(1.1-3.7)
Bolt Cap mm/(in.)	6/(1/4)
Free Speed r.p.m.	2,000
Weight kg/(lb)	1.18/(2.60)
Noise Level dBA/(power)	88/(99)
Vibration a/k m/s <sup>2</sup>	0.4/0.5
Avg. Air Consumption CFM/(L/S)	3.5/(1.6)
Air Inlet Size in.	1/4

**SI-1166-8A**

Screw Driver

- 8mm capacity pistol grip screw driver Adjustable clutch
- Ergonomic pistol grip for easy operation



Reverse lever



Shank Size in./ (mm)	1/4/(6.35)
Max Torque Nm/(ft-lb)	9.0/(6.6)
Working Torque Nm/(ft-lb)	1.5-9.0/(1.1-6.6)
Bolt Cap mm/(in.)	8/(5/16)
Free Speed r.p.m.	800
Weight kg/(lb)	1.35/(2.97)
Noise Level dBA/(power)	91/(102)
Vibration a/k m/s <sup>2</sup>	1.0/0.6
Avg. Air Consumption CFM/(L/S)	3.3/(1.6)
Air Inlet Size in.	1/4



SI-1208EX

**RATCHET WRENCHES**



- 1/4" RATCHET WRENCHES
- 3/8" RATCHET WRENCHES
- 1/2" RATCHET WRENCHES
- HEX 17mm THROUGH RATCHET WRENCH



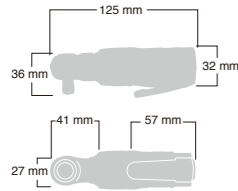
# RATCHET WRENCHES

1/4" Ratchet Wrenches • 3/8" Ratchet Wrenches

## SI-1107B

1/4" Ratchet Wrench

- Super small ratchet wrench with 1/4"sq. anvil
- Smaller than SI-1200B & SI-1205B

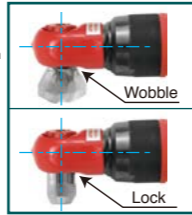
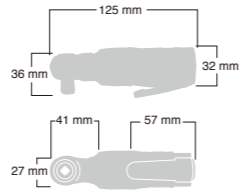


Shank Size in./ (mm)	1/4 / (6.35)
Maximum Torque Nm/ (ft-lb)	30/(22)
Working Torque Range Nm/ (ft-lb)	0-25/(0-18)
Bolt Cap mm/ (in.)	6.35/(1/4)
Free Speed r.p.m.	300
Weight kg/ (lb)	0.39/(0.86)
Noise Level dBA/ (power)	77/(88)
Vibration a/k m/s <sup>2</sup>	6.1/1.1
Avg. Air Consumption CFM/ (L/S)	1.8/(0.8)
Air Inlet Size in.	1/8

## SI-1108B

3/8" Ratchet Wrench

- Super small ratchet wrench with 3/8"sq. anvil
- Smaller than SI-1200B & SI-1205B



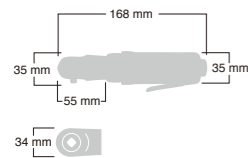
Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	30/(22)
Working Torque Range Nm/ (ft-lb)	0-25/(0-18)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	300
Weight kg/ (lb)	0.40/(0.88)
Noise Level dBA/ (power)	77/(88)
Vibration a/k m/s <sup>2</sup>	6.4/1.1
Avg. Air Consumption CFM/ (L/S)	1.8/(0.8)
Air Inlet Size in.	1/8

## SI-1207EX

New

1/4" Ratchet Wrench

- Same body size as SI-1200B.
- Double mold composite body cover for added vibration and cold temperature protection.
- 360° air inlet swivel.



360° Air Inlet Swivel



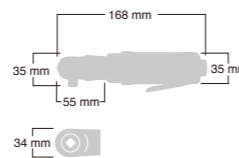
Shank Size in./ (mm)	1/4 / (6.35)
Maximum Torque Nm/ (ft-lb)	38/(28)
Working Torque Range Nm/ (ft-lb)	0-30/(0-22)
Bolt Cap mm/ (in.)	6.35/(1/4)
Free Speed r.p.m.	200
Weight kg/ (lb)	0.54/(1.18)
Noise Level dBA/ (power)	84/(95)
Vibration a/k m/s <sup>2</sup>	4.0/0.9
Avg. Air Consumption CFM/ (L/S)	1.6/(0.8)
Air Inlet Size in.	1/4

## SI-1208EX

New

3/8" Ratchet Wrench

- Same body size as SI-1205B.
- Double mold composite body cover for added vibration and cold temperature protection.
- 360° air inlet swivel.



360° Air Inlet Swivel

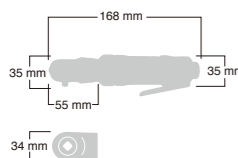


Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	40/(30)
Working Torque Range Nm/ (ft-lb)	0-30/(0-22)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	200
Weight kg/ (lb)	0.54/(1.20)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	4.5/0.9
Avg. Air Consumption CFM/ (L/S)	1.6/(0.8)
Air Inlet Size in.	1/4

## SI-1200B

1/4" Ratchet Wrench

- Light and small ratchet wrench with 1/4"sq. anvil
- This model is the "Mini Ratchet Wrench" standard in the air tools industry

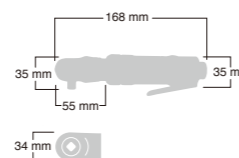


Shank Size in./ (mm)	1/4 / (6.35)
Maximum Torque Nm/ (ft-lb)	35/(26)
Working Torque Range Nm/ (ft-lb)	0-30/(0-22)
Bolt Cap mm/ (in.)	6.35/(1/4)
Free Speed r.p.m.	200
Weight kg/ (lb)	0.51/(1.11)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	3.6/0.8
Avg. Air Consumption CFM/ (L/S)	1.6/(0.8)
Air Inlet Size in.	1/4

## SI-1205B

3/8" Ratchet Wrench

- Light and small ratchet wrench with 3/8"sq. anvil
- This model is the "Mini Ratchet Wrench" standard in the air tools industry



Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	40/(30)
Working Torque Range Nm/ (ft-lb)	0-30/(0-22)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	220
Weight kg/ (lb)	0.51/(1.12)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	5.7/1.0
Avg. Air Consumption CFM/ (L/S)	1.6/(0.8)
Air Inlet Size in.	1/4

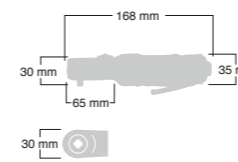
# RATCHET WRENCHES

1/2" Ratchet Wrenches • 1/4" Ratchet Wrench • 3/8" Ratchet Wrenches

## SI-1251

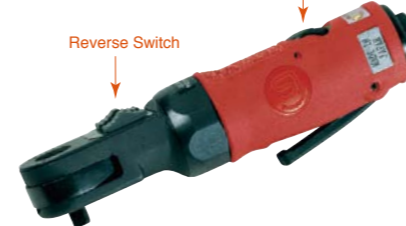
1/4" Ratchet Wrench

- Japan and foreign patent(s) pending as the "Slide Switch" for the reverse function
- Plastic covered small size body
- 1/4"sq. anvil



Reverse Switch

Regulator

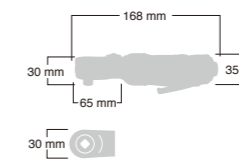


Shank Size in./ (mm)	1/4 / (6.35)
Maximum Torque Nm/ (ft-lb)	45/(33)
Working Torque Range Nm/ (ft-lb)	0-33/(0-24)
Bolt Cap mm/ (in.)	6.35/(1/4)
Free Speed r.p.m.	200
Weight kg/ (lb)	0.56/(1.24)
Noise Level dBA/ (power)	75/(86)
Vibration a/k m/s <sup>2</sup>	4.0/0.8
Avg. Air Consumption CFM/ (L/S)	2.4/(1.1)
Air Inlet Size in.	1/4

## SI-1252

3/8" Ratchet Wrench

- Japan and foreign patent(s) pending as the "Slide Switch" for the reverse function
- Plastic covered small size body
- 3/8"sq. anvil



Reverse Switch

Regulator

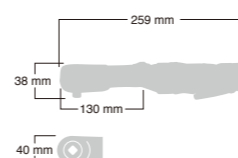


Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	47/(35)
Working Torque Range Nm/ (ft-lb)	0-35/(0-26)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	200
Weight kg/ (lb)	0.56/(1.24)
Noise Level dBA/ (power)	75/(86)
Vibration a/k m/s <sup>2</sup>	3.9/0.8
Avg. Air Consumption CFM/ (L/S)	2.4/(1.1)
Air Inlet Size in.	1/4

## SI-1261

3/8" Ratchet Wrench

- Japan and foreign patent(s) pending as the "Slide Switch" for the reverse function
- Plastic covered regular size body
- The lightest 960g in this class
- Lightweight and high strength super duralumin is used for housing



Reverse Switch

Regulator

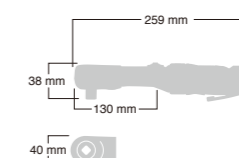


Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	110/(81)
Working Torque Range Nm/ (ft-lb)	0-65/(0-48)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	170
Weight kg/ (lb)	1.20/(2.65)
Noise Level dBA/ (power)	84/(95)
Vibration a/k m/s <sup>2</sup>	5.1/1.0
Avg. Air Consumption CFM/ (L/S)	3.0/(1.4)
Air Inlet Size in.	1/4

## SI-1262

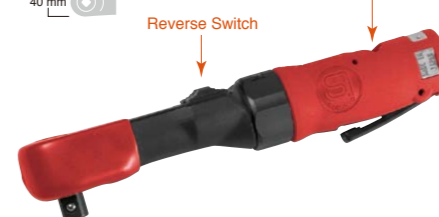
1/2" Ratchet Wrench

- Japan and foreign patent(s) pending as the "Slide Switch" for the reverse function
- Plastic covered regular size body
- The lightest 970g in this class we have ever had
- Lightweight and high strength super duralumin is used for housing



Reverse Switch

Regulator

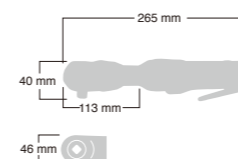


Shank Size in./ (mm)	1/2 / (12.7)
Maximum Torque Nm/ (ft-lb)	115/(85)
Working Torque Range Nm/ (ft-lb)	0-70/(0-52)
Bolt Cap mm/ (in.)	14/(9/16)
Free Speed r.p.m.	170
Weight kg/ (lb)	1.21/(2.67)
Noise Level dBA/ (power)	84/(95)
Vibration a/k m/s <sup>2</sup>	5.0/1.0
Avg. Air Consumption CFM/ (L/S)	3.0/(1.4)
Air Inlet Size in.	1/4

## SI-1320A

3/8" Ratchet Wrench

- Standard ratchet wrench with the front exhaust 3/8"sq. anvil
- Reasonable price

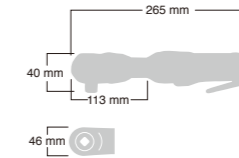


Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	80/(59)
Working Torque Range Nm/ (ft-lb)	0-60/(0-44)
Bolt Cap mm/ (in.)	12/(1/2)
Free Speed r.p.m.	160
Weight kg/ (lb)	1.16/(2.57)
Noise Level dBA/ (power)	89/(100)
Vibration a/k m/s <sup>2</sup>	6.3/1.1
Avg. Air Consumption CFM/ (L/S)	2.7/(1.3)
Air Inlet Size in.	1/4

## SI-1325A

1/2" Ratchet Wrench

- Standard ratchet wrench with the front exhaust 1/2"sq. anvil
- Best selling model in the world at a reasonable price



Shank Size in./ (mm)	1/2 / (12.7)
Maximum Torque Nm/ (ft-lb)	90/(66)
Working Torque Range Nm/ (ft-lb)	0-70/(0-52)
Bolt Cap mm/ (in.)	14/(9/16)
Free Speed r.p.m.	160
Weight kg/ (lb)	1.17/(2.58)
Noise Level dBA/ (power)	89/(100)
Vibration a/k m/s <sup>2</sup>	6.3/1.1
Avg. Air Consumption CFM/ (L/S)	2.5/(1.3)
Air Inlet Size in.	1/4

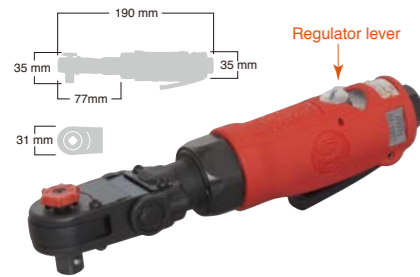
# RATCHET WRENCHES

1/2" Ratchet Wrenches • 3/8" Ratchet Wrenches • HEX 17mm Through

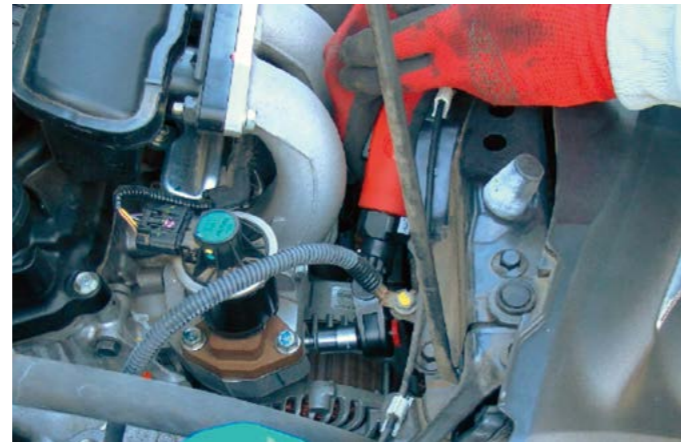
## SI-1241A

3/8" Ratchet Wrench

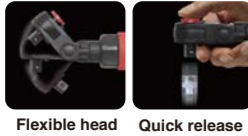
- Swivel head with 9 levels
- An activity is possible at the locations which cannot work in the usual spanner and/or ratchet wrenches.
- The socket lock mechanism does not drop a socket on a narrow place.
- Japan and Foreign patent(s) pending as the "Quick release function" for easily releasing sockets



Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	30/(22.1)
Working Torque Range Nm/ (ft-lb)	0-25/(0-18.4)
Bolt Cap mm/ (in.)	10/(3/8)
Free Speed r.p.m.	250
Weight kg/ (lb)	0.63/(1.38)
Noise Level dBA/ (power)	83/(94)
Vibration a/k m/s <sup>2</sup>	11.3/1.6
Avg. Air Consumption CFM/ (L/S)	1.9/(0.9)
Air Inlet Size in.	1/4



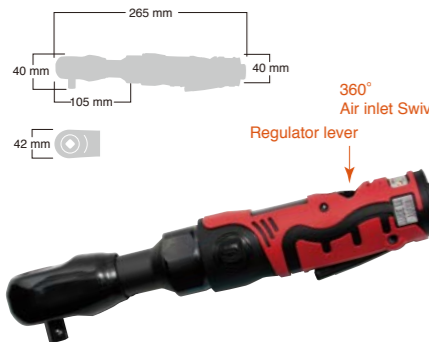
The flexible head can reach at tight spaces.



## SI-1340 EX

New 3/8" Ratchet Wrench

- Premium quality ratchet wrench with a rear exhaust and composite body cover.
- Low noise levels and precise planetary gear mechanism for maximum power transfer and durability.
- 360° air inlet swivel.



Shank Size in./ (mm)	3/8 / (9.5)
Maximum Torque Nm/ (ft-lb)	110/(81)
Working Torque Range Nm/ (ft-lb)	0-85/(0-63)
Bolt Cap mm/ (in.)	12/(1/2)
Free Speed r.p.m.	160
Weight kg/ (lb)	1.14/(2.50)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	4.2/0.9
Avg. Air Consumption CFM/ (L/S)	2.5/(1.2)
Air Inlet Size in.	1/4

## SI-1345 EX

New 1/2" Ratchet Wrench

- Premium quality ratchet wrench with a rear exhaust and composite body cover.
- Low noise levels and precise planetary gear mechanism for maximum power transfer and durability.
- 360° air inlet swivel.

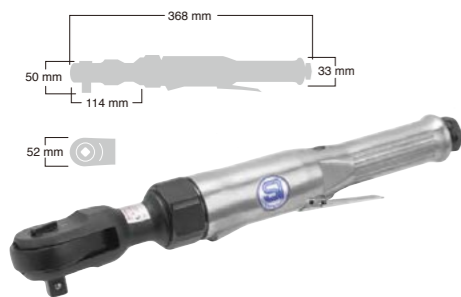


Shank Size in./ (mm)	1/2 / (12.7)
Maximum Torque Nm/ (ft-lb)	115/(85)
Working Torque Range Nm/ (ft-lb)	0-90/(0-66)
Bolt Cap mm/ (in.)	14/(9/16)
Free Speed r.p.m.	160
Weight kg/ (lb)	1.15/(2.53)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	4.1/0.9
Avg. Air Consumption CFM/ (L/S)	2.5/(1.2)
Air Inlet Size in.	1/4

## SI-1435

1/2" Ratchet Wrench

- The largest ratchet wrench in the range with the highest torque
- 1/2" sq. anvil
- Good for running nuts on tractor blades

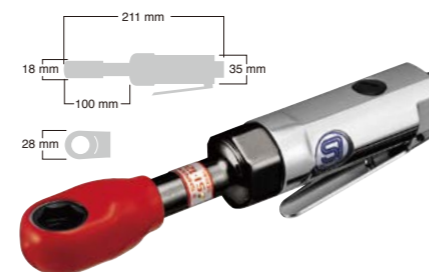


Shank Size in./ (mm)	1/2 / (12.7)
Maximum Torque Nm/ (ft-lb)	160/(118)
Working Torque Range Nm/ (ft-lb)	0-110/(0-81)
Bolt Cap mm/ (in.)	16/(5/8)
Free Speed r.p.m.	140
Weight kg/ (lb)	1.95/(4.31)
Noise Level dBA/ (power)	93/(104)
Vibration a/k m/s <sup>2</sup>	5.4/1.0
Avg. Air Consumption CFM/ (L/S)	4.7/(2.2)
Air Inlet Size in.	1/4

## SI-1288

HEX 17mm Through

- Ratchet wrench with the unique inner sockets 8mm, 10mm, 11mm, 12mm, 13mm and 14mm of the sockets are available
- Specially designed for using in small space



Shank Size in./ (mm)	HEX 17mm
Maximum Torque Nm/ (ft-lb)	45/(33)
Working Torque Range Nm/ (ft-lb)	0-35/(0-26)
Bolt Cap mm/ (in.)	8-17/(5/16-11/16)
Free Speed r.p.m.	180
Weight kg/ (lb)	0.54/(1.20)
Noise Level dBA/ (power)	84/(95)
Vibration a/k m/s <sup>2</sup>	6.8/1.1
Avg. Air Consumption CFM/ (L/S)	1.9/(0.9)
Air Inlet Size in.	1/4



SI-3121-6

# SANDERS

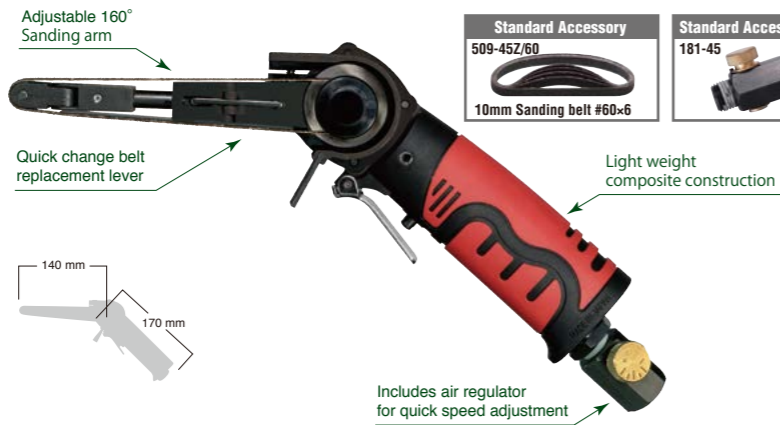


- BELT SANDERS
- CENTRAL VACUUM DUAL ACTION SANDERS
- DUAL ACTION SANDERS
- SELF VACUUM DUAL ACTION SANDERS
- MINI DUAL ACTION SANDERS
- SELF VACUUM GEARED DUAL ACTION SANDERS
- MINI SELF VACUUM DUAL ACTION SANDERS
- ORBITAL SANDERS
- SELF VACUUM ORBITAL SANDERS
- DISC SANDERS
- MINI SANDER
- HEAVY DUTY MINI SANDERS
- OSCILLATION SANDER
- WET SANDER
- MINI ORBITAL FINISHING SANDER

## SI-2740

Belt Sander

- 10mm sanding belt sander
- Super light & ergonomic design
- Rubber grip giving comfortable operation and reducing vibration



OPTION	
509-45Z/40	10mm Sanding belt #40
509-45Z/80	10mm Sanding belt #80
509-45Z/100	10mm Sanding belt #100
509-45Z/120	10mm Sanding belt #120

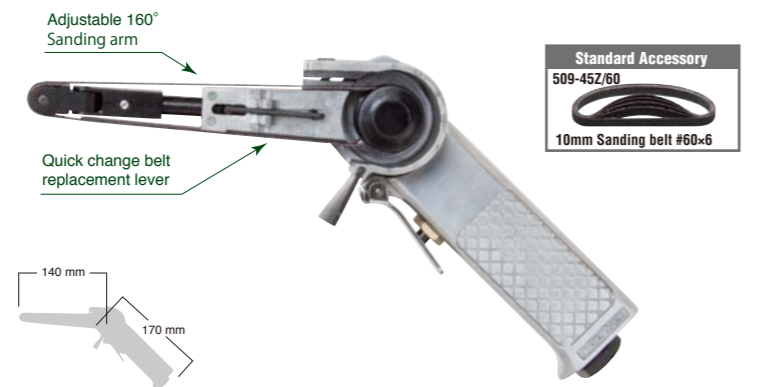
Standard Accessory	Standard Accessory
509-45Z/60 10mm Sanding belt #60x6	181-45 Light weight composite construction

Belt Size mm	10 x 330
Free Speed r.p.m.	15,000
Out Put Watt	317
Weight kg/ (lb)	0.73/(1.61)
Noise Level dBA/ (power)	85/(96)
Vibration a/k m/s <sup>2</sup>	1.0/0.6
Avg.Air Consumption CFM/ (L/S)	3.3/(1.6)

## SI-2700

Belt Sander

- 10mm sanding belt sander
- Quick and easy belt change
- Adjustable arm angle



OPTION	
509-45Z/40	10mm Sanding belt #40
509-45Z/80	10mm Sanding belt #80
509-45Z/100	10mm Sanding belt #100
509-45Z/120	10mm Sanding belt #120

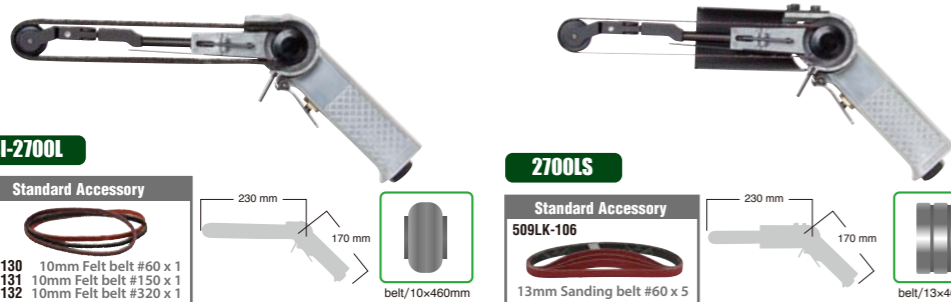
Standard Accessory
509-45Z/60 10mm Sanding belt #60x6

Belt Size mm	10x330
Free Speed r.p.m.	15,000
Out Put Watt	317
Weight kg/ (lb)	0.82/(1.82)
Noise Level dBA/ (power)	86/(99)
Vibration a/k m/s <sup>2</sup>	2.2/0.7
Avg.Air Consumption CFM/ (L/S)	3.3/(1.6)

## SI-2700L

Belt Sander

- Head rotates 120 degrees for operating convenience.Variable speed throttle for positive control.
- Best for the light grinding, sanding and deburring. (SI-2700L)
- For nugget grinding of spot welding (SI-2700LS)



Standard Accessory	
509-130	10mm Felt belt #60 x 1
509-131	10mm Felt belt #150 x 1
509-132	10mm Felt belt #320 x 1

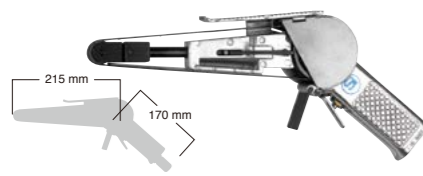
2700LS	
Standard Accessory	509LK-106 13mm Sanding belt #60 x 5

	SI-2700L	SI-2700LS
Belt Size mm	10x460	13x460
Free Speed r.p.m.	15,000	15,000
Out Put Watt	317	317
Weight kg/ (lb)	0.85/(1.87)	0.9/(1.98)
Noise Level dBA/ (power)	83/(94)	84/(95)
Vibration a/k m/s <sup>2</sup>	2.5/0.7	1.6/0.6
Avg.Air Consumption CFM/ (L/S)	3.3/(1.6)	3.3/(1.6)

## SI-2800

Belt Sander

- 20mm sanding belt sander
- Safety cover over belt wheel



OPTION	
507-58Z/40	20mm Sanding belt #40
507-58Z/80	20mm Sanding belt #80
507-58Z/100	20mm Sanding belt #100
507-58Z/120	20mm Sanding belt #120

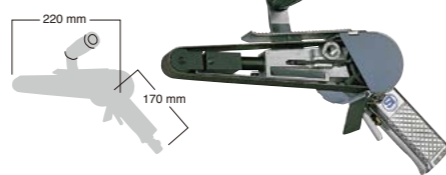
Standard Accessory
507-58Z/60 20mm Sanding belt #60x6

Belt Size mm	20x520
Free Speed r.p.m.	15,000
Out Put Watt	429
Weight kg/ (lb)	1.43/(3.14)
Noise Level dBA/ (power)	84/(95)
Vibration a/k m/s <sup>2</sup>	3.0/0.8
Avg.Air Consumption CFM/ (L/S)	3.8/(1.8)

## SI-2830

Belt Sander

- 30mm sanding belt sander
- Safety cover over belt wheel
- Side handle for firm tool control



OPTION	
505-56Z/40	30mm Sanding belt #40
505-56Z/80	30mm Sanding belt #80
505-56Z/100	30mm Sanding belt #100
505-56Z/120	30mm Sanding belt #120

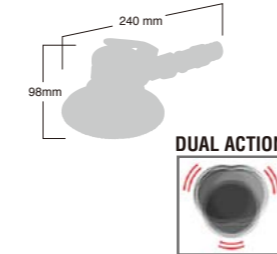
Standard Accessory
505-56Z/60 30mm Sanding belt #60x6

Belt Size mm	30x540
Free Speed r.p.m.	10,000
Out Put Watt	582
Weight kg/ (lb)	2.02/(4.45)
Noise Level dBA/ (power)	86/(97)
Vibration a/k m/s <sup>2</sup>	1.6/0.6
Avg.Air Consumption CFM/ (L/S)	5.3/(2.5)

## SI-3121-6

Central Vacuum Dual Action Sander with 6" pad

- Central vacuum dual action sander for dust extraction system and vacuum cleaner
- Light weight and compact palm grip body
- 6" multihole pad giving speedy operation



Standard Accessory	Standard Accessory	Standard Accessory
o6" Velcro M-150HDMH SI-3121-6	o6" Face Cover 1041CV-5 SI-3121-6	o6" Net paper #240x1 #120x1 NP-150-240 NP-150-120 SI-3121-6
Standard Accessory	Standard Accessory	Standard Accessory
o5" Velcro ME-125HD SI-3121M	o5" Leather PE-125HD SI-3121	570-42A SI-3121-6

## SI-3121

Central Vacuum Dual Action Sander with 5" pad

	SI-3121-6	SI-3121/3121M
Pad/Disc Size mm/(in.)	150(6")	125(5")
Spindle Size	5/16-24UNF	5/16-24UNF
Orbit Dia mm	5	5
Free Speed r.p.m.	10,000	10,000
Out Put Watt	148	148
Weight kg/ (lb)	1.31/(2.88)	1.29/(2.83)
Noise Level dBA/ (power)	81/(92)	81/(92)
Vibration a/k m/s <sup>2</sup>	13.4/1.8	12.8/1.7
Avg.Air Consumption CFM/ (L/S)	2.3/(1.1)	2.3/(1.1)

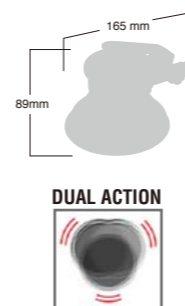
For dust extraction system and vacuum cleaner



## SI-3101LG

New Dual Action Sander with 5" leather pad

- Low center of gravity dual action sander.
- The stable power can fully be delivered.
- Super light weight and easy to grip composite body cover.



## SI-3101LGM

New Dual Action Sander with 5" velcro pad

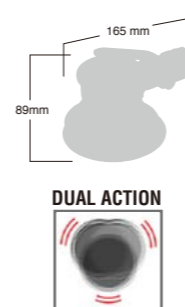
Standard Accessory	Standard Accessory
o5" Leather PE-125H SI-3101LG	o5" Velcro ME-125H SI-3101LGM

Pad/Disc Size mm/(in.)	125/(5")
Spindle Size	5/16-24UNF
Orbit Dia mm	5
Free Speed r.p.m.	10,000
Out Put Watt	148
Weight kg/ (lb)	0.88/(1.94)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	13.7/1.8
Avg.Air Consumption CFM/ (L/S)	2.2/(1.0)

## SI3111LG

New Self vacuum Dual Action Sander with 5" leather pad

- Low center of gravity self vacuum dual action sander.
- The stable power can fully be delivered.
- Super light weight and easy to grip composite body cover.



## SI3111LGM

New Self vacuum Dual Action Sander with 5" velcro pad

Standard Accessory	Standard Accessory
o5" Leather PE-125HD SI-3111LG	o5" Velcro ME-125HD SI-3111LGM
Standard Accessory	1040-54 485-42

Pad/Disc Size mm/(in.)	125/(5")
Spindle Size	5/16-24UNF
Orbit Dia mm	5
Free Speed r.p.m.	10,000
Out Put Watt	148
Weight kg/ (lb)	1.23/(2.71)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	13.7/1.8
Avg.Air Consumption CFM/ (L/S)	2.3/(1.1)

## SI-3103A

SI-3103AM : Velcro pad model

Dual Action Sander with 5" pad

## SI-3103-6A

SI-3103-6AM : Velcro pad model

Dual Action Sander with 6" pad

	SI-3103A/3103AM	SI-3103-6A/3103-6AM
Pad/Disc Size mm/(in.)	125/(5")	150/(6")
Spindle Size	5/16-24UNF	5/16-24UNF
Orbit Dia mm	5	5
Free Speed r.p.m.	9,000	9,000
Out Put Watt	134	134
Weight kg/(lb)	1.18/(2.60)	1.20/(2.64)
Noise Level dBA/(power)	80/(91)	80/(91)
Vibration a/k m/s <sup>2</sup>	10.6/1.5	11.5/1.6
Avg Air Consumption CFM/(L/S)	2.8/(1.3)	2.8/(1.3)



## SI-3113A

SI-3113AM : Velcro pad model

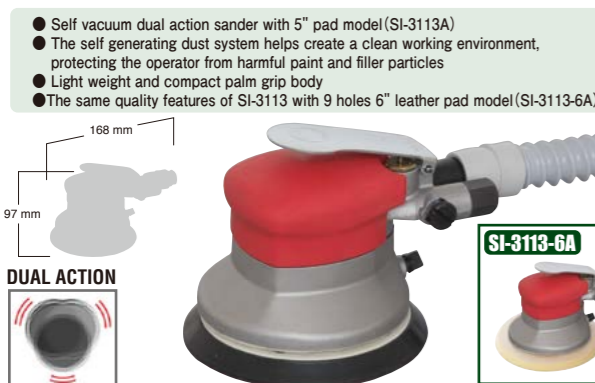
Self Vacuum Dual Action Sander with 5" pad

## SI-3113-6A

SI-3113-6AM : Velcro pad model

Self Vacuum Dual Action Sander with 6" pad

	SI-3113A/3113AM	SI-3113-6A/3113-6AM
Pad/Disc Size mm/(in.)	125/(5")	150/(6")
Spindle Size	5/16-24UNF	5/16-24UNF
Orbit Dia mm	5	5
Free Speed r.p.m.	9,000	9,000
Out Put Watt	134	134
Weight kg/(lb)	1.57/(3.46)	1.59/(3.50)
Noise Level dBA/(power)	83/(94)	83/(94)
Vibration a/k m/s <sup>2</sup>	13.6/1.8	13.2/2.9
Avg Air Consumption CFM/(L/S)	2.4/(1.1)	2.4/(1.1)



## SI-3101

SI-3101M : Velcro pad model

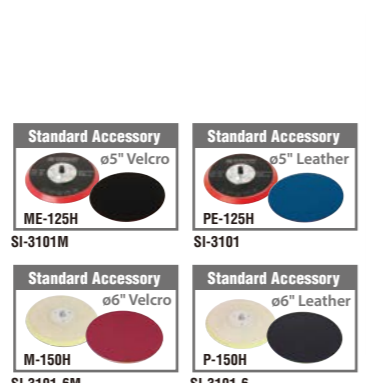
Dual Action Sander with 5" pad

## SI-3101-6

SI-3101-6M : Velcro pad model

Dual Action Sander with 6" pad

	SI-3101/3101M	SI-3101-6/3101-6M
Pad/Disc Size mm/(in.)	125/(5")	150/(6")
Spindle Size	5/16-24UNF	5/16-24UNF
Orbit Dia mm	5	5
Free Speed r.p.m.	10,000	10,000
Out Put Watt	148	148
Weight kg/(lb)	0.92/(2.03)	0.94/(2.07)
Noise Level dBA/(power)	84/(95)	84/(95)
Vibration a/k m/s <sup>2</sup>	14.4/1.9	10.4/2.3
Avg Air Consumption CFM/(L/S)	2.2/(1.0)	2.2/(1.0)



## SI-3111

SI-3111M : Velcro pad model

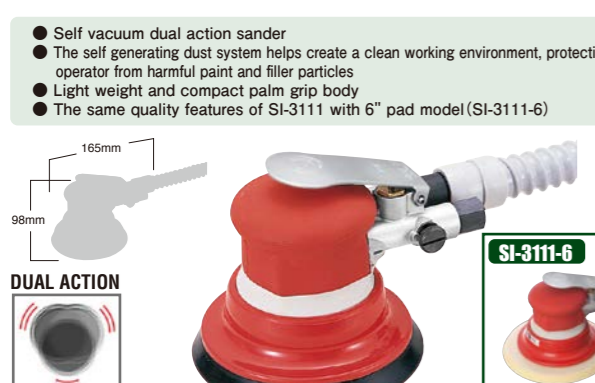
Self Vacuum Dual Action Sander with 5" pad

## SI-3111-6

SI-3111-6M : Velcro pad model

Self Vacuum Dual Action Sander with 6" pad

	SI-3111/3111M	SI-3111-6/3111-6M
Pad/Disc Size mm/(in.)	125/(5")	150/(6")
Spindle Size	5/16-24UNF	5/16-24UNF
Orbit Dia mm	5	5
Free Speed r.p.m.	10,000	10,000
Out Put Watt	148	148
Weight kg/(lb)	1.27/(2.81)	1.29/(2.84)
Noise Level dBA/(power)	88/(99)	88/(99)
Vibration a/k m/s <sup>2</sup>	10.2/1.5	11.7/1.6
Avg Air Consumption CFM/(L/S)	2.3/(1.1)	2.3/(1.1)



## SI-3118A

SI-3118AM : Velcro pad model

Self Vacuum Dual Action Sander with 5" pad

## SI-3118-6A

SI-3118-6AM : Velcro pad model

Self Vacuum Dual Action Sander with 6" pad

	SI-3118A/3118AM	SI-3118-6A/3118-6AM
Pad/Disc Size mm/(in.)	125/(5")	150/(6")
Spindle Size	5/16-24UNF	5/16-24UNF
Orbit Dia mm	6	6
Free Speed r.p.m.	8,000	8,000
Out Put Watt	569	569
Weight kg/(lb)	2.11/(4.65)	2.15/(4.74)
Noise Level dBA/(power)	81/(92)	81/(92)
Vibration a/k m/s <sup>2</sup>	9.0/1.4	10.1/1.5
Avg Air Consumption CFM/(L/S)	2.9/(1.4)	2.9/(1.4)



## SI-3115R

SI-3115RM : Velcro pad model

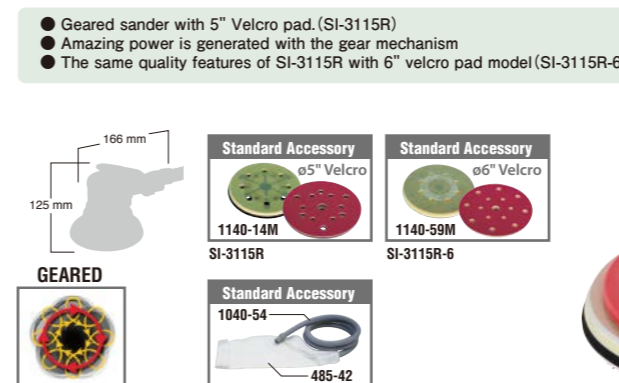
Self Vacuum Geared Dual Action Sander with 5" pad

## SI-3115R-6

SI-3115R-6M : Velcro pad model

Self Vacuum Geared Dual Action Sander with 6" pad

	SI-3115R	SI-3115R-6
Pad/Disc Size mm/(in.)	125/(5")	150/(6")
Orbit Dia mm	4.4	4.4
Free Speed r.p.m.	4,000	4,000
Out Put Watt	148	148
Weight kg/(lb)	1.49/(3.27)	1.51/(3.33)
Noise Level dBA/(power)	86/(97)	86/(97)
Vibration a/k m/s <sup>2</sup>	11.2/1.6	9.7/2.9
Avg Air Consumption CFM/(L/S)	2.3/(1.1)	2.3/(1.1)



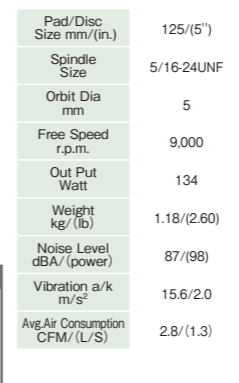
## SI-3103B

SI-3103BM : Velcro pad model

Dual Action Sander with 5" pad

Heavy Duty Type

Pad/Disc Size mm/(in.)	125/(5")
Spindle Size	5/16-24UNF
Orbit Dia mm	5
Free Speed r.p.m.	9,000
Out Put Watt	134
Weight kg/(lb)	1.18/(2.60)
Noise Level dBA/(power)	87/(98)
Vibration a/k m/s <sup>2</sup>	15.6/2.0
Avg Air Consumption CFM/(L/S)	2.8/(1.3)

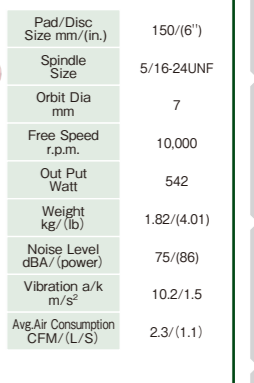


## SI-3100

SI-3100M : Velcro pad model

Dual Action Sander with 6" pad

Pad/Disc Size mm/(in.)	150/(6")
Spindle Size	5/16-24UNF
Orbit Dia mm	7
Free Speed r.p.m.	10,000
Out Put Watt	542
Weight kg/(lb)	1.82/(4.01)
Noise Level dBA/(power)	75/(86)
Vibration a/k m/s <sup>2</sup>	10.2/1.5
Avg Air Consumption CFM/(L/S)	2.3/(1.1)

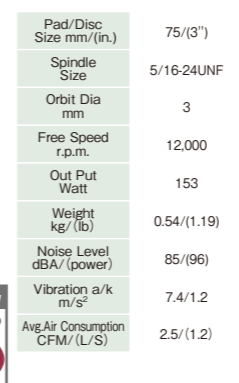


## SI-3102M

SI-3102M : Velcro pad model

Mini Dual Action Sander with 3" pad

Pad/Disc Size mm/(in.)	75/(3")
Spindle Size	5/16-24UNF
Orbit Dia mm	3
Free Speed r.p.m.	12,000
Out Put Watt	153
Weight kg/(lb)	0.54/(1.19)
Noise Level dBA/(power)	85/(96)
Vibration a/k m/s <sup>2</sup>	7.4/1.2
Avg Air Consumption CFM/(L/S)	2.5/(1.2)

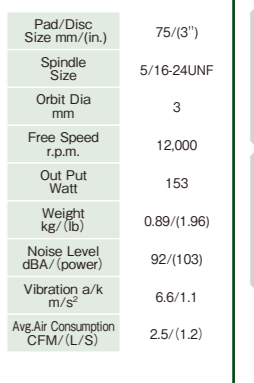


## SI-3112M

SI-3112M : Velcro pad model

Mini Self Vacuum Dual Action Sander with 3" pad

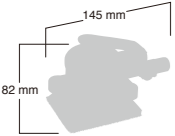
Pad/Disc Size mm/(in.)	75/(3")
Spindle Size	5/16-24UNF
Orbit Dia mm	3
Free Speed r.p.m.	12,000
Out Put Watt	153
Weight kg/(lb)	0.89/(1.96)
Noise Level dBA/(power)	92/(103)
Vibration a/k m/s <sup>2</sup>	6.6/1.1
Avg Air Consumption CFM/(L/S)	2.5/(1.2)



### SI-3001A

Orbital Sander


- Light weight and compact palm grip orbital sander
- Paper size : 75mm x 110mm



ORBITAL

### SI-3001AM

Orbital Sander with velcro pad




**Compact Type**

Pad/Disc Size mm/(in.)	75x100
Orbit Dia mm	4
Free Speed r.p.m.	10,000
Out Put Watt	148
Weight kg/ (lb)	0.80/(1.77)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	6.2/1.1
Avg.Air Consumption CFM/ (L/S)	2.3/(1.1)

Standard Accessory

75x110mm Velcro


M-3003



Standard Accessory


75x110mm Leather

P-3003



### SI-3005

Orbital Sander

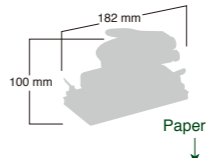


ORBITAL

### SI-3007

SI-3007M : Velcro pad model

Orbital Sander



ORBITAL


**Compact Type**

Pad/Disc Size mm/(in.)	90x165
Orbit Dia mm	5
Free Speed r.p.m.	11,000
Out Put Watt	289
Weight kg/ (lb)	1.87/(4.13)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	21.1/2.8
Avg.Air Consumption CFM/ (L/S)	2.3/(1.1)

Standard Accessory

100x180mm Leather

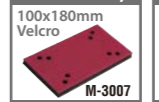
475-22



Standard Accessory

100x180mm Velcro


M-3007



Standard Accessory

100x180mm Leather

P-3007



### SI-3011A

Self Vacuum Orbital Sander

- Self vacuum orbital sander with palm grip and leather pad
- Light weight and compact body
- Paper size : 75mm x 110mm
- Self generated suction system protects operator from harmful particles of paint and filler



ORBITAL

### SI-3011AM

Self Vacuum Orbital Sander with velcro pad



**Compact Type**

Pad/Disc Size mm/(in.)	75x100
Orbit Dia mm	4
Free Speed r.p.m.	10,000
Out Put Watt	148
Weight kg/ (lb)	1.15/(2.53)
Noise Level dBA/ (power)	83/(94)
Vibration a/k m/s <sup>2</sup>	7.4/1.5
Avg.Air Consumption CFM/ (L/S)	2.5/(1.2)

Standard Accessory

75x110mm Velcro

M-3013D



Standard Accessory

75x110mm Leather

P-3013D



Standard Accessory

1040-54

485-42



### SI-3018A

Self Vacuum Orbital Sander

- Self vacuum orbital sander with bar grip
- Paper size : 100mm x 180mm
- With leather pad or Velcro pad



ORBITAL

### SI-3018AM

Self Vacuum Orbital Sander with velcro pad



**Compact Type**

Pad/Disc Size mm/(in.)	95x175
Orbit Dia mm	5
Free Speed r.p.m.	7,000
Out Put Watt	222
Weight kg/ (lb)	2.31/(5.09)
Noise Level dBA/ (power)	83/(94)
Vibration a/k m/s <sup>2</sup>	10.2/1.5
Avg.Air Consumption CFM/ (L/S)	3.1/(1.5)

Standard Accessory

100x180mm Velcro

477A-5EM



Standard Accessory

100x180mm Leather

477A-5EL



Standard Accessory

570-42A

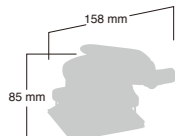
485-42



### SI-3003A

Orbital Sander


- Palm grip orbital sander
- Paper size : 75mm x 110mm
- Powerful high quality air motor. 4mm orbit diameter



ORBITAL

### SI-3003AM

Orbital Sander with velcro pad




**Compact Type**

Pad/Disc Size mm/(in.)	75x100
Orbit Dia mm	4
Free Speed r.p.m.	9,000
Out Put Watt	134
Weight kg/ (lb)	1.05/(2.31)
Noise Level dBA/ (power)	75/(86)
Vibration a/k m/s <sup>2</sup>	6.9/1.1
Avg.Air Consumption CFM/ (L/S)	2.8/(1.3)

Standard Accessory

75x110mm Velcro


M-3003



Standard Accessory

75x110mm Leather

P-3003



### SI-3003B

Orbital Sander

- Light weight & heavyduty orbital sander
- Paper size : 75mm x 110mm



ORBITAL

### SI-3003BM

Orbital Sander with velcro pad



**Heavy Duty Type**

Pad/Disc Size mm/(in.)	75x100
Orbit Dia mm	4
Free Speed r.p.m.	8,000
Out Put Watt	134
Weight kg/ (lb)	1.05/(2.31)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	4.6/0.9
Avg.Air Consumption CFM/ (L/S)	2.8/(1.3)

Standard Accessory

75x110mm Velcro

M-3003



Standard Accessory

75x110mm Leather

P-3003



### SI-3013

Self Vacuum Orbital Sander

- Self vacuum orbital sander with palm grip and leather pad model
- Paper size : 75mm x 110mm
- Self generated suction system protects operator from harmful particles of paint and filler



ORBITAL

### SI-3013M

Self Vacuum Orbital Sander with velcro pad



**Compact Type**

Pad/Disc Size mm/(in.)	75x100
Orbit Dia mm	4
Free Speed r.p.m.	8,000
Out Put Watt	134
Weight kg/ (lb)	1.46/(3.22)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	4.6/0.9
Avg.Air Consumption CFM/ (L/S)	2.3/(1.1)

Standard Accessory

75x110mm Velcro

M-3013D



Standard Accessory

75x110mm Leather

P-3013D



Standard Accessory

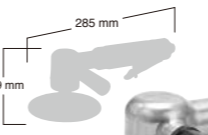
570-42A

485-42



### SI-2026


Disc Sander



SINGLE ACTION

### SI-2351

Disc Sander



SINGLE ACTION


**Compact Type**

Pad/Disc Size mm/(in.)	125/(5")
Spindle Size	5/8-11UNC
Free Speed r.p.m.	5,500
Out Put Watt	491
Weight kg/ (lb)	1.50/(3.31)
Noise Level dBA/ (power)	88/(99)
Vibration a/k m/s <sup>2</sup>	3.4/0.8
Avg.Air Consumption CFM/ (L/S)	4.4/(2.1)

Standard Accessory

ø5"


136-45



Standard Accessory

ø7"

820-52



IMPACT WRENCHES  
 DRIVERS  
 RATCHET WRENCHES  
 SANDERS  
 POLISHERS  
 GRINDERS  
 DRILLS  
 SPOTMILLS  
 CUTTING TOOLS  
 OTHERS  
 INDUSTRIAL TOOLS  
 SOUND & VIBRATION  
 MAINTENANCE CHECK  
 QUALITY

SANDERS ACCESSORIES	PE-125H	ME-125H	P-125H	M-125H	P-150H	M-150H	PE-125HD	ME-125HD	P-150HD 6	M-150HD 6	P-150HD 9	M-150HD 9	P-150HD 3-4	M-150HD 3-4	M-150HDMH	1041CV-5	NP-150-120	NP-150-240	1040-54	570-42A	485-42	
	5" Leather Pad 5/16-24UNF	5" Velcro Pad 5/16-24UNF	5" Leather Pad 5/16-24UNF	5" Velcro Pad 5/16-24UNF	6" Leather Pad 5/16-24UNF	6" Velcro Pad 5/16-24UNF	5" Leather Pad with Sholes 5/16-24UNF	5" Velcro Pad with Sholes 5/16-24UNF	6" Leather Pad with Sholes 5/16-24UNF	6" Velcro Pad with Sholes 5/16-24UNF	6" Leather Pad with Sholes 5/16-24UNF	6" Velcro Pad with Sholes 5/16-24UNF	6" Leather Pad with Sholes 5/16-24UNF	6" Velcro Pad with Sholes 5/16-24UNF	6" Velcro Pad with Multi holes 5/16-24UNF	6" Velcro Pad Face cover	6" Wet Paper		ø19mm Dust Hose	ø25mm Dust Hose	Dust Pack	
SI-3121							★	☆													★	
SI-3121M							☆	★													★	
SI-3121-6									☆	☆	☆	☆	☆	☆	★	★	★				★	
SI-3101LG	★	☆																				
SI-3101LGM	☆	★																				
SI-3111LG							★	☆												★	★	
SI-3111LGM							☆	★												★	★	
SI-3101	★	☆	☆	☆																		
SI-3101M	☆	★	☆	☆																		
SI-3101-6					★	☆																
SI-3101-6M					☆	★																
SI-3111							★	☆												★	★	
SI-3111M							☆	★												★	★	
SI-3111-6									★	☆	☆	☆	☆	☆						★	★	
SI-3111-6M									☆	★	☆	☆	☆	☆	☆					★	★	
SI-3103A	★	☆	☆	☆																		
SI-3103AM	☆	★	☆	☆																		
SI-3103-6A					★	☆																
SI-3103-6AM					☆	★																
SI-3113A							★	☆												★	★	
SI-3113AM							☆	★												★	★	
SI-3113-6A									★	☆	☆	☆	☆	☆						★	★	
SI-3113-6AM									☆	★	☆	☆	☆	☆	☆					★	★	
SI-3118A							★	☆													★	★
SI-3118AM							☆	★													★	★
SI-3118-6A									★	☆	☆	☆	☆	☆						★	★	
SI-3118-6AM									☆	★	☆	☆	☆	☆	☆					★	★	
SI-3103B	☆	☆	★	☆																		
SI-3103BM	☆	☆	☆	★																		

★ : Standard ☆ : Option

SANDERS ACCESSORIES	M-150H	486-3	1140-14M	1140-59M	M-75H	M-75HD	P-3003	M-3003	P-3013D	M-3013D	475-22	P-3007	M-3007	477A-5EL	477A-5EM	136-45	820-52	1040-54	570-42A	485-42	
	6" Velcro Pad 5/16-24UNF	6" Leather Pad 5/16-24UNF	5" Velcro Pad	6" Velcro Pad	3" Velcro Pad 5/16-24UNF	3" Velcro Pad with Sholes 5/16-24UNF	Leather Pad incl. Plate (490-588) No hole	Velcro Pad incl. Plate (490-588) No hole	Leather Pad incl. Plate (490-588) with hole	Velcro Pad incl. Plate (490-588) with hole	Leather Pad	Leather Pad incl. Plate (477-44)	Velcro Pad incl. Plate (477-44)	Leather Pad incl. 100x180	Velcro Pad incl. 100x180	5" Back Disc	7" Back Disc	ø19mm Dust Hose	ø25mm Dust Hose	Dust Pack	
SI-3100	☆	★																			
SI-3100M	★	☆																			
SI-3115R			★																	★	★
SI-3115R-6				★																★	★
SI-3102M					★																
SI-3112M						★														★	★
SI-3001A								★	☆												
SI-3001AM								☆	★												
SI-3011A										★	☆									★	★
SI-3011AM										☆	★									★	★
SI-3003A								★	☆												
SI-3003AM								☆	★												
SI-3013										★	☆									★	★
SI-3013M										☆	★									★	★
SI-3005												★									
SI-3007													★	☆							
SI-3007M													☆	★							
SI-3018A															★	☆				★	★
SI-3018AM															☆	★				★	★
SI-3003B								★	☆												
SI-3003BM								☆	★												
SI-2026																	★				
SI-2351																		★			

BELT SANDER ACCESSORIES	181-45	509-45Z/40	509-45Z/60	509-45Z/80	509-45Z/100	509-45Z/120	507-58Z/40	507-58Z/60	507-58Z/80	507-58Z/100	507-58Z/120	505-56Z/40	505-56Z/60	505-56Z/80	505-56Z/100	505-56Z/120	509-130	509-131	509-132	509LK-106	
	Regulator	10mm Sanding belt #40	10mm Sanding belt #60	10mm Sanding belt #80	10mm Sanding belt #100	10mm Sanding belt #120	20mm Sanding belt #40	20mm Sanding belt #60	20mm Sanding belt #80	20mm Sanding belt #100	20mm Sanding belt #120	30mm Sanding belt #40	30mm Sanding belt #60	30mm Sanding belt #80	30mm Sanding belt #100	30mm Sanding belt #120	10mm Felt belt #60	10mm Felt belt #150	10mm Felt belt #320	13mm Sanding belt #60	
SI-2700	☆	☆	★	☆	☆	☆															
SI-2740	★	☆	★	☆	☆	☆															
SI-2700L	☆																		★	★	★
SI-2700LS	☆																				★
SI-2800	☆						☆	★	☆	☆	☆										
SI-2830	☆														☆	★	☆	☆	☆		

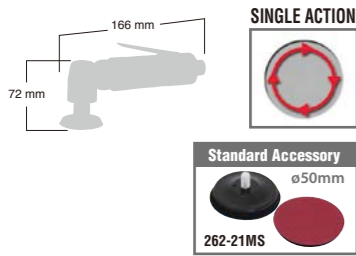


★ : Standard ☆ : Option

**SI-2008**

Heavy Duty Mini Sander

- Angle head sander with 2" pad. Light and compact. It is useful for sanding and polishing work at the narrow place

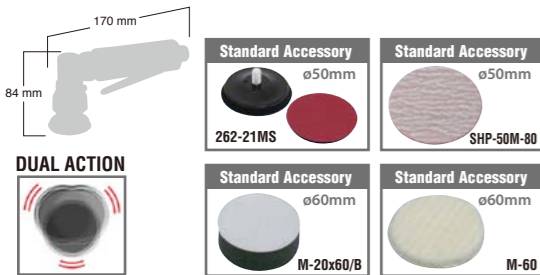


Pad/Disc Size mm/(in.)	50/(2")
Spindle Size	M6x1
Free Speed r.p.m.	14,500
Out Put Watt	175
Weight kg/ (lb)	0.57/(1.26)
Noise Level dBA/ (power)	83/(94)
Vibration a/k m/s <sup>2</sup>	4.0/0.9
Avg Air Consumption CFM/ (L/S)	2.8/(1.3)

**SI-2107A**

Mini Sander

- Angle head dual action sander with 2" Velcro pad
- You can use 2" sanding paper, wool buff or sponge buff
- A good tool for sanding and polishing where space is limited
- Dual action for easy operation and a good finish

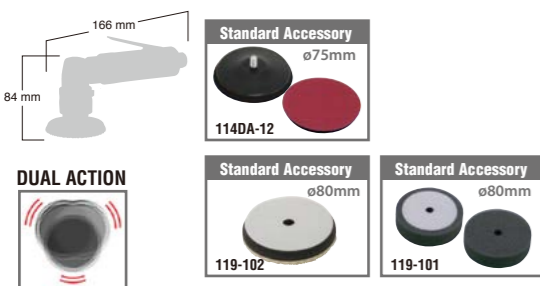


Pad/Disc Size mm/(in.)	50/(2")
Spindle Size	M6x1
Orbit Dia mm	3
Free Speed r.p.m.	14,000
Out Put Watt	127
Weight kg/ (lb)	0.55/(1.20)
Noise Level dBA/ (power)	85/(96)
Vibration a/k m/s <sup>2</sup>	3.8/0.9
Avg Air Consumption CFM/ (L/S)	2.3/(1.1)

**SI-2108**

Heavy Duty Mini Sander with 3" pad

- Angle head dual action sander with 3" pad.
- The high durable gears included for long time use.

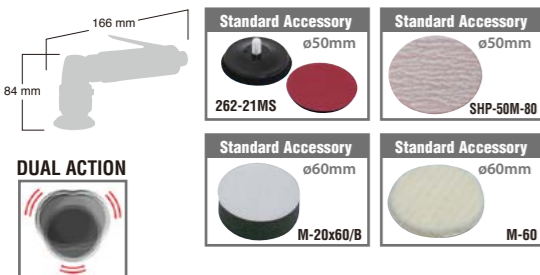


Pad/Disc Size mm/(in.)	75/(3")
Spindle Size	M6x1
Orbit Dia mm	3
Free Speed r.p.m.	15,500
Out Put Watt	175
Weight kg/ (lb)	0.62/(1.36)
Noise Level dBA/ (power)	85/(96)
Vibration a/k m/s <sup>2</sup>	18.5/2.3
Avg Air Consumption CFM/ (L/S)	2.4/(1.1)

**SI-2108-2**

Heavy Duty Mini Sander with 2" pad

- Angle head dual action sander with 2" pad.
- The high durable gears included for long time use.
- Great for sanding & polishing in confined spaces.

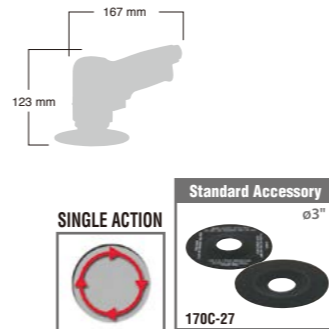


Pad/Disc Size mm/(in.)	50/(2")
Spindle Size	M6x1
Orbit Dia mm	3
Free Speed r.p.m.	15,500
Out Put Watt	175
Weight kg/ (lb)	0.62/(1.36)
Noise Level dBA/ (power)	85/(96)
Vibration a/k m/s <sup>2</sup>	18.5/2.3
Avg Air Consumption CFM/ (L/S)	2.4/(1.1)

**SI-2210**

Disc Sander

- A long seller in the market. Very popular high speed disc sander
- Easy one hand operation
- Disc inside dia.

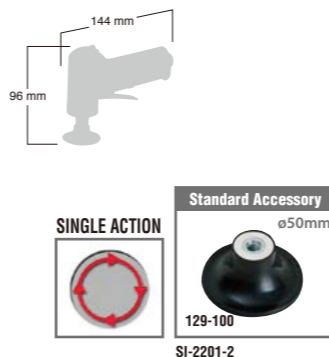


Pad/Disc Size mm/(in.)	75/(3")
Spindle Size	7/16-20UNF
Free Speed r.p.m.	19,000
Out Put Watt	475
Weight kg/ (lb)	0.99/(2.17)
Noise Level dBA/ (power)	91/(102)
Vibration a/k m/s <sup>2</sup>	3.8/1.0
Avg Air Consumption CFM/ (L/S)	3.9/(1.8)

**SI-2201**

Disc Sander Without Pad

- Designed for direct mounting of the 3M Roloc Pad
- No adaptors necessary



**SI-2201-2**

Disc Sander with 2" pad

Pad/Disc Size mm/(in.)	50/(2")
Spindle Size	1/4-20UNC
Free Speed r.p.m.	17,000
Out Put Watt	174
Weight kg/ (lb)	0.50/(1.10)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	2.2/0.7
Avg Air Consumption CFM/ (L/S)	2.5/(1.2)

**SI-2202**

Disc Sander without pad

- Ideal for the removal of rust, surface deposits, and welds in hard-to-reach areas
- Double-sided, adjustable speed settings provide variability for a broader range of applications
- Designed for direct mounting of the 3M Roloc Pad



Pad/Disc Size mm/(in.)	50/(2")
Spindle Size	1/4-20UNC
Free Speed r.p.m.	15,000
Out Put Watt	168
Weight kg/ (lb)	0.46
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	2.3/0.7
Avg Air Consumption CFM/ (L/S)	2.5/(1.2)

**SI-2202-2**

Disc Sander with 2" pad

**SI-2110S**

Mini Dual Action Sander

- Engineered for the most aggressive sanding applications
- Durable ball-bearing construction ensures a smooth power delivery

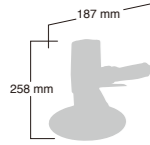


Pad/Disc Size mm/(in.)	75/(3")
Spindle Size	M6x1
Orbit Dia mm	3
Free Speed r.p.m.	15,000
Out Put Watt	168
Weight kg/ (lb)	0.52
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	9.5/2.1
Avg Air Consumption CFM/ (L/S)	2.5/(1.2)

**SI-2300**

Disc Sander

- Vertical grip for stable and easy operation sander with 7" disc

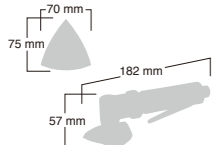


Pad/Disc Size mm/(in.)	180(7")
Spindle Size	5/8-11UNC
Free Speed r.p.m.	4,000
Out Put Watt	409
Weight kg/(lb)	2.27/(5.01)
Noise Level dBA/(power)	82/(93)
Vibration a/k m/s <sup>2</sup>	1.4/0.6
Avg.Air Consumption CFM/(L/S)	3.9/(1.8)

**SI-3200A**

Oscillation Sander

- Self suck system protects operator from harmful powder of paint and filler
- Oscillating mechanism tool with a triangular pad. For delicate and fine sanding work
- Special designed oscillation sander for narrow place and corner



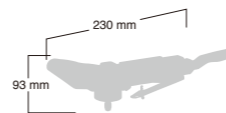
Pad/Disc Size mm/(in.)	△75×70
Spindle Size	M8×1.25
Oscillating Angle	2.8°
Free Speed o.p.m. ★	21,000
Out Put Watt	173
Weight kg/(lb)	0.65/(1.43)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	9.6/2.2
Avg.Air Consumption CFM/(L/S)	2.4/(1.1)

★o.p.m. (Oscillation Per Minutes)

**SI-2322WR-LE**

Wet Sander

- Wet sander designed for stone sanding and polishing with water
- Supplied with 14mm thread spindle
- Waterproofed mechanism ensures a long working life
- Suitable for diamond polishing and dry marble polishing
- Water exits through spindle



Pad/Disc Size mm/(in.)	φ80
Spindle Size	M14
Free Speed r.p.m.	5,500
Out Put Watt	435
Weight kg/(lb)	1.32/(2.91)
Noise Level dBA/(power)	88/(99)
Vibration a/k m/s <sup>2</sup>	1.7/0.6
Avg.Air Consumption CFM/(L/S)	4.0/(1.9)

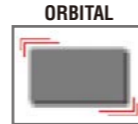
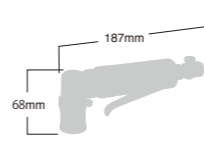
**Generaldrawing**



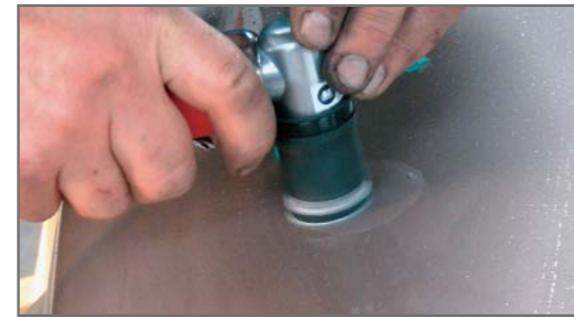
**SI-3310**

Mini Orbital Finishing Sander

- Special design for the polishing of very small scratches, marks, bubble or dust on fresh paint Surface.
- φ30mm diameter head can help you see the exact point to sand it can reduce buffing area.



Pad/Disc Size mm/(in.)	φ30
Orbit Dia mm	3
Free Speed r.p.m.	10,000
Out Put Watt	127
Weight kg/(lb)	0.56/(1.23)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	10.2/2.1
Avg.Air Consumption CFM/(L/S)	1.2/(0.6)



SANDERS ACCESSORIES	MESP-65	262-21MS	SHP-50M-40	TZ-3000	114DA-12	M-20x60B	M-60	119-101	119-102	170C-27	170C-30	820-52	129-100	118-3	115MB-6S	115MB-6H	1110A-80E
	φ65mm Sanding Disc	φ50mm Velcro Pad M6	φ30mm Sanding Paper	φ30mm Sanding Paper	φ75mm Velcro Pad M6	φ60mm Sponge Buff	φ60mm Wool Buff	φ80mm Sponge Buff	φ80mm Wool Buff	3"DiscPad	4"DiscPad	7"Back Disc	2"Disc Pad	Triangle Sanding Pad	φ30mm SoftPad	φ30mm HardPad	φ80mm Velcro Pad (M14 P=2)
SI-2008	☆	★	☆			☆	☆										
SI-2107A		★	★			★	★										
SI-2108					★			★	★								
SI-2108-2		★	★			★	★										
SI-2210										★	☆						
SI-2201														☆			
SI-2201-2														★			
SI-2202														☆			
SI-2202-2														★			
SI-2110S					★												
SI-2300												★					
SI-3200A														★			
SI-2322WR-LE																	☆
SI-3310				★											★	★	

★ : Standard ☆ : Option

IMPACT WRENCHES  
DRIVERS  
MATCHET WRENCHES  
SANDERS  
PUSHERS  
GRINDERS  
DRILLS  
SPOTMILLS  
CUTTING TOOLS  
OTHERS  
INDUSTRIAL TOOLS  
SOUND & VIBRATION  
MAINTENANCE CHECK  
QUALITY



**SHINANO INC. SANDER LINEUP**

Work	Finish			
	Light		Heavy	
Non Vacuum	SI-3001A	SI-3003A	SI-3005	SI-3003B
Self Vacuum	SI-3011A	SI-3013	SI-3018A	
Non Vacuum			SI-3007	

Work	Finish / Rough Finish	
	Light	
Non Vacuum	SI-3102M	
Self Vacuum	SI-3112M	

Work	Finish / Rough Finish			
	Light		Heavy	
Non Vacuum	SI-3101 / SI-3101LG	SI-3103A	SI-3118A	SI-3103B
Self Vacuum	SI-3111 / SI-3111LG	SI-3113A		
Non Vacuum	SI-3101-6	SI-3103-6A	SI-3118-6A	
Self Vacuum	SI-3111-6	SI-3113-6A	SI-3100	

Work	Finish / Rough Finish	
	Light~Heavy	
5 inch	SI-3121	
6 inch	SI-3121-6	

Work	Rough	
	Heavy	
5 inch	SI-3115R	
6 inch	SI-3115R-6	



**Difference of Sanders**

Name	Shingle Sander	Dual Action Sander	Orbital Sander	Geared Action Sander	Belt Sander
Pad type	Round type pad	Round type pad	Square pad	Round type pad	No pad
Movement					
Sanding Style	Single rotation	Double eccentric rotation	Eccentric rotation	Double eccentric rotation	Endless track for one side
Sanding Power	Strong	Little strong	Little Weak	Strong	Strong
Depth	Deep	Shallow	Shallow	Deep	Deep
work	•Peeling •Deburring	Coarse sanding for surface	Coarse & finish sanding for surface	Coarse sanding for surface	•Peeling •Deburring
Orbit Dia	Nothing	3mm~6mm	4mm~5mm	4.4mm	Nothing
SI Model	SI-2026,2351, 2210,2300, 2008,2210, etc	SI-3100,3101,3111,3121 3103A,3113A,3105A, 3118A,2107A,2108, etc	SI-3001A,3013, 3018A,etc	SI-3115R,3115R-6	SI-2700,2700L, 2800,2830,2740 2700LS

SI-2415

**POLISHERS**



**GEARED DUAL ACTION POLISHER**  
**DUAL ACTION POLISHER**  
**SINGLE ACTION POLISHERS**  
**LIGHT SANDER POLISHER**

# POLISHERS

Geared Dual Action Polisher • Dual Action Polisher • Single Action Polishers

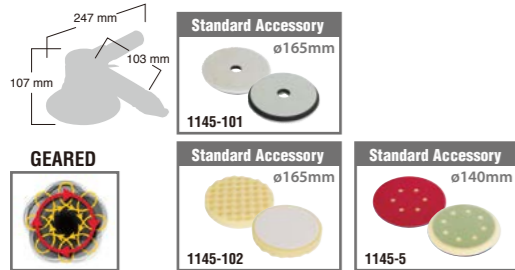
## SI-2415

Geared Dual Action Polisher

- Geared polisher with 6" Velcro pad, 1,200r.p.m. low speed and high torque
- Designed for the wax polishing of painted motorcar body panels
- Either a wool buff or sponge buff can be used
- Geared dual action for easy operation



Buff Pad Size mm/(in.)	140/(6")
Orbit Dia mm	4.4
Free Speed r.p.m.	1,200
Weight kg/(lb)	1.45
Noise Level dBA/(power)	86/(97)
Vibration a/k m/s <sup>2</sup>	13.1/5.6
Avg. Air Consumption CFM/(L/S)	3.4/(1.6)



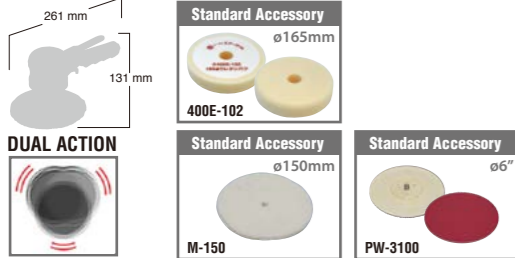
## SI-3100P

Dual Action Polisher

- Dual action polisher with 6" Velcro pad
- Designed for the wax polishing of painted motorcar body panel
- Either a wool buff or sponge buff can be used
- Uniform wax work with dual action
- Professional finish without special skill



Buff Pad Size mm/(in.)	150/(6")
Spindle Size Female	5/16-24UNF
Orbit Dia mm	6
Free Speed r.p.m.	8,000
Out Put Watt	542
Weight kg/(lb)	1.81/(3.99)
Noise Level dBA/(power)	75/(86)
Vibration a/k m/s <sup>2</sup>	6.7/3.1
Avg. Air Consumption CFM/(L/S)	2.3/(1.1)



## SI-2221

Single Action Polisher

- Geared polisher with 3" Velcro pad
- Light and compact body
- Either a wool buff or sponge buff can be used
- Designed for Polishing and Buffing painted surface in confined areas
- The tool most suitable for repairing small scratch or dust on painted surfaces



Buff Pad Size mm/(in.)	75/(3")
Spindle Size Female	M6x1
Free Speed r.p.m.	4,500
Out Put Watt	203
Weight kg/(lb)	0.64/(1.42)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	1.4/0.6
Avg. Air Consumption CFM/(L/S)	2.5/(1.2)



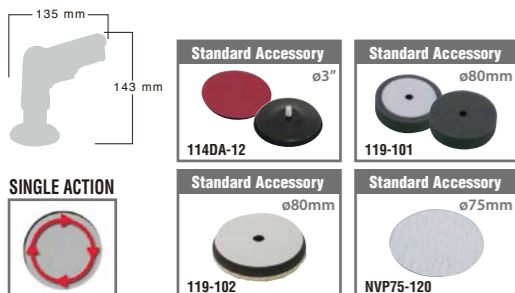
## SI-2224S

Single Action Polisher

- Geared polisher with 3" Velcro pad
- Super light weight & compact design with solid composite body
- Based on two-layer molded rubber grip giving comfortable grip and reducing vibration



Buff Pad Size mm/(in.)	75/(3")
Spindle Size Female	M6x1
Free Speed r.p.m.	5,000
Out Put Watt	270
Weight kg/(lb)	0.60/(1.32)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	1.6/0.6
Avg. Air Consumption CFM/(L/S)	2.5/(1.2)



# POLISHERS

Single Action Polishers • Light Sander Polisher

## SI-2009

Single Action Polisher

- Compact body design for reduce weight
- Low Speed Single Action Sander
- New design for 3" pad size



Buff Pad Size mm/(in.)	75/(3")
Spindle Size Female	5/16-24UNF
Free Speed r.p.m.	2,600
OutPut Watt	180
Weight kg/(lb)	0.68/(1.49)
Noise Level dBA/(power)	77/(88)
Vibration a/k m/s <sup>2</sup>	1.1/0.6
Avg. Air Consumption CFM/(L/S)	2.5/(1.2)



## SI-2009H

Single Action Polisher

- Compact body design for reduce weight
- High Speed Single Action Sander
- New design for 3" buff pad size



Buff Pad Size mm/(in.)	75/(3")
Spindle Size Female	5/16-24UNF
Free Speed r.p.m.	5,000
OutPut Watt	190
Weight kg/(lb)	0.68/(1.50)
Noise Level dBA/(power)	77/(88)
Vibration a/k m/s <sup>2</sup>	2.3/0.7
Avg. Air Consumption CFM/(L/S)	2.1/(1.0)



## SI-2400

Single Action Polisher

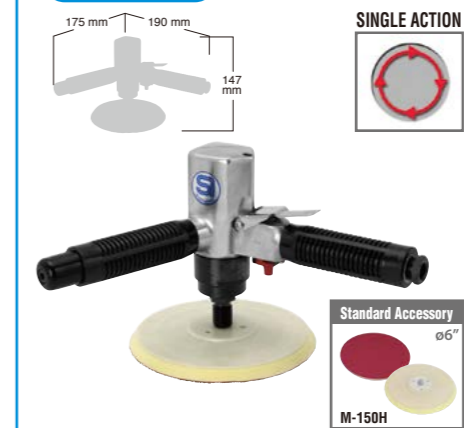


Buff Pad Size mm/(in.)	180/(7")
Weight kg/(lb)	2.24/(4.94)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	1.8/0.6
Avg. Air Consumption CFM/(L/S)	4.0/(1.9)



## SI-2405

Light Sander Polisher



Buff Pad Size mm/(in.)	150/(6")
Weight kg/(lb)	1.17/(2.58)
Noise Level dBA/(power)	84/(95)
Vibration a/k m/s <sup>2</sup>	1.8/1.0
Avg. Air Consumption CFM/(L/S)	2.8/(1.3)



## SI-2451

Single Action Polisher



Buff Pad Size mm/(in.)	180/(7")
Weight kg/(lb)	2.13/(4.69)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	2.2/0.7
Avg. Air Consumption CFM/(L/S)	3.9/(1.8)



POLISHERS ACCESSORIES	M-150H	114DA-12	400E-102	M-150	M-75H	119-101	119-102	NVP75-120	1145-101	1145-102	1145-5	820-52	PW-3100
6" Velcro Pad 5/16-24UNF													
3" Velcro Pad Thread 6mm													
Sponge Buff													
Wool Buff													
3" Velcro Pad 5/16-24UNF													
80mm Sponge Buff													
80mm Wool Buff													
75mm Sanding Paper #120													
165mm Wool Buff													
165mm Sponge Buff													
138mm Velcro Pad													
7" BackDisc													
6" Velcro Pad 5/16-24UNF													
SI-2415									★	★	★		
SI-3100P													★
SI-2221		★						★	★	★			
SI-2224S		★						★					
SI-2009					★	★	★	★					
SI-2009H					★	★	★	★					
SI-2400												★	
SI-2405	★												
SI-2451												★	

★ : Standard ☆ : Option



SI-2515LA

# GRINDERS

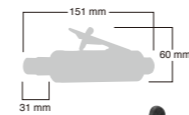


**DIE GRINDERS**  
**CUT OFF GRINDER**  
**DISC GRINDERS**  
**MICRO GRINDERS**  
**WET GRINDER**

## GRINDERS Die Grinders

### SI-2001S Die Grinder SI-2001S-6 6mm Collet model

- Small body size die grinder
- 1/4" collet and 6mm collets are available

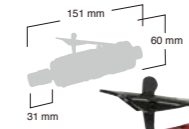


	SI-2001S	SI-2001S-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	25,000	25,000
Output Watt	173	173
Weight kg/ (lb)	0.37/(0.82)	0.37/(0.82)
Noise Level dBA/ (power)	84/(95)	84/(95)
Vibration a/k m/s <sup>2</sup>	3.4/0.8	3.4/0.8
Avg. Air Consumption CFM/ (L/S)	2.7/(1.3)	2.7/(1.3)



### SI-2002EX<sup>New</sup> Die Grinder SI-2002EX-6<sup>New</sup> 6mm Collet model

- Compact, lightweight, ergonomic design
- Feather touch throttle lever for easy operation
- Double mold composite body cover for added vibration and cold temperature protection
- 1/4" collet and 6mm collets are available

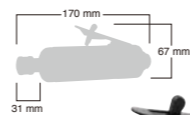


	SI-2002EX	SI-2002EX-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	27,000	27,000
Output Watt	219	219
Weight kg/ (lb)	0.37/(0.83)	0.37/(0.83)
Noise Level dBA/ (power)	84/(95)	84/(95)
Vibration a/k m/s <sup>2</sup>	2.3/0.7	2.3/0.7
Avg. Air Consumption CFM/ (L/S)	2.6/(1.2)	2.6/(1.2)



### SI-2011S Die Grinder SI-2011S-6 6mm Collet model

- Medium body size die grinder
- 1/4" collet and 6mm collets are available
- Rear exhaust directs air away from operator and work place
- Lever throttle with safety lock
- Compact, lightweight, ergonomic design and feather touch throttle lever for easy operation

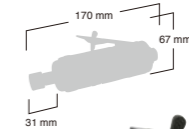


	SI-2011S	SI-2011S-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	25,000	25,000
Output Watt	422	422
Weight kg/ (lb)	0.60/(1.32)	0.60/(1.32)
Noise Level dBA/ (power)	87/(98)	87/(98)
Vibration a/k m/s <sup>2</sup>	6.5/1.1	6.5/1.1
Avg. Air Consumption CFM/ (L/S)	4.0/(1.9)	4.0/(1.9)



### SI-2012EX<sup>New</sup> Die Grinder SI-2012EX-6<sup>New</sup> 6mm Collet model

- Medium body size die grinder
- 1/4" collet and 6mm collets are available
- Compact, lightweight, ergonomic design and feather touch throttle lever
- Double mold composite body cover for added vibration and cold temperature protection

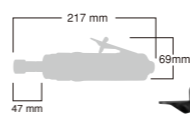


	SI-2012EX	SI-2012EX-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	25,000	25,000
Output Watt	388	388
Weight kg/ (lb)	0.60/(1.31)	0.60/(1.31)
Noise Level dBA/ (power)	87/(98)	87/(98)
Vibration a/k m/s <sup>2</sup>	3.9/1.3	3.9/1.3
Avg. Air Consumption CFM/ (L/S)	4.0/(1.9)	4.0/(1.9)



### SI-2015A Die Grinder SI-2015A-6 6mm Collet model

- Planetary geared die grinder. 5,500r.p.m. low speed and high torque
- 1/4" and 6mm collets are available
- Compact, lightweight, ergonomic design and feather touch throttle lever for easy operation
- A plastic body cover absorbs tool vibrations and protects your hand from the cold

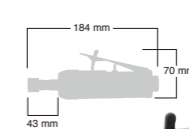


	SI-2015A	SI-2015A-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	5,500	5,500
Output Watt	457	457
Weight kg/ (lb)	0.91/(2.01)	0.91/(2.01)
Noise Level dBA/ (power)	88/(99)	88/(99)
Vibration a/k m/s <sup>2</sup>	4.9/0.9	4.9/0.9
Avg. Air Consumption CFM/ (L/S)	4.2/(2.0)	4.2/(2.0)



### SI-2010 Die Grinder SI-2010-6 6mm Collet model

- Compact, lightweight, ergonomic design and feather touch throttle lever for easy operation
- A plastic body cover absorbs tool vibrations and protects your hand from the cold



	SI-2010	SI-2010-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	23,000	23,000
Output Watt	247	247
Weight kg/ (lb)	0.52/(1.14)	0.52/(1.14)
Noise Level dBA/ (power)	83/(94)	83/(94)
Vibration a/k m/s <sup>2</sup>	5.9/1.0	5.9/1.0
Avg. Air Consumption CFM/ (L/S)	1.8/(0.8)	1.8/(0.8)



IMPACT WRENCHES  
DRIVERS  
MATCHET WRENCHES  
SANDERS  
PUSHERS  
GRINDERS  
DRILLS  
SPOTMILLS  
CUTTING TOOLS  
OTHERS  
INDUSTRIAL TOOLS  
SOUND & VIBRATION  
MAINTENANCE CHECK  
QUALITY

## SI-2005HD

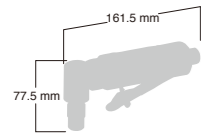
Die Grinder

## SI-2005HD-6

Die Grinder

6mm Collet model

- Small body size, angle head die grinder with a polymer grip cover
- High durability die grinder
- Compact, lightweight, ergonomic design and feather touch throttle lever for easy operation.
- A plastic body cover absorbs tool vibrations and protects your hand from the cold
- Lever throttle with safety lock



	SI-2005HD	SI-2005HD-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	20,000	20,000
Output Watt	200	200
Weight kg/ (lb)	0.56/(1.23)	0.56/(1.23)
Noise Level dBA/ (power)	81/(92)	81/(92)
Vibration a/k m/s <sup>2</sup>	7.3/1.2	7.3/1.2
Avg. Air Consumption CFM/ (L/S)	2.4/(1.1)	2.4/(1.1)

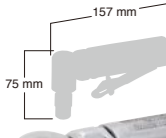
## SI-2006S

Die Grinder

## SI-2006S-6

6mm Collet model

- Small body size, angle head die grinder
- 1/4" collet and 6mm collets are available
- Compact, lightweight, ergonomic design and feather touch throttle lever for easy operation
- Lever throttle with safety lock



	SI-2006S	SI-2006S-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	20,000	20,000
Output Watt	127	127
Weight kg/ (lb)	0.49/(1.08)	0.49/(1.08)
Noise Level dBA/ (power)	83/(94)	83/(94)
Vibration a/k m/s <sup>2</sup>	7.4/1.6	7.4/1.6
Avg. Air Consumption CFM/ (L/S)	2.3/(1.1)	2.3/(1.1)

## SI-2022S

Die Grinder

## SI-2022S-6

6mm Collet model

- Die grinder with the extended shaft
- 1/4" collet and 6mm collets are available
- Special designed extended die grinder for unreachable place



	SI-2022S	SI-2022S-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	24,000	24,000
Output Watt	537	537
Weight kg/ (lb)	1.34/(2.94)	1.34/(2.94)
Noise Level dBA/ (power)	89/(100)	89/(100)
Vibration a/k m/s <sup>2</sup>	4.1/0.9	4.1/0.9
Avg. Air Consumption CFM/ (L/S)	4.5/(2.1)	4.5/(2.1)

## SI-2501L

Disc Grinder  
Lever Switch

## SI-2501

Disc Grinder  
Rotary Switch

- Light weight 4" disc grinder with rotary throttle
- 40% lighter than SI-2500
- Speed governor assures safety operation
- Precise gear mechanism assures the highest power transfer, durability and reduced vibration



	SI-2501L	SI-2501
Disc Size mm/(in.)	100/(4")	100/(4")
Spindle Size	M10x1.5	M10x1.5
Free Speed r.p.m. (MAX)	13,000	13,000
Output Watt	303	303
Weight kg/ (lb)	1.04/(2.29)	0.91/(2.01)
Noise Level dBA/ (power)	81/(92)	82/(93)
Vibration a/k m/s <sup>2</sup>	9.6/3.1	8.4/2.8
Avg. Air Consumption CFM/ (L/S)	2.7/(1.3)	2.2/(1.0)

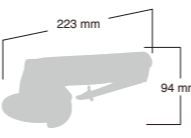
## SI-2500L

Disc Grinder  
Lever Switch

## SI-2500

Disc Grinder  
Rotary Switch

- The high quality air motor used ensures the highest power and durability, while reducing vibration
- A trouble free tool for industry use

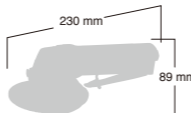


	SI-2500L	SI-2500
Disc Size mm/(in.)	100/(4")	100/(4")
Spindle Size	M10x1.5	M10x1.5
Free Speed r.p.m. (MAX)	12,700	12,700
Output Watt	443	443
Weight kg/ (lb)	1.82/(4.02)	1.87/(4.11)
Noise Level dBA/ (power)	80/(91)	84/(95)
Vibration a/k m/s <sup>2</sup>	9.9/3.2	7.6/2.5
Avg. Air Consumption CFM/ (L/S)	2.7/(1.3)	2.4/(1.1)

## SI-2515LA

Disc Grinder

- 5" Disc grinder with safety lever throttle and 14mm thread spindle
- Speed governor assures safety operation
- Spindle lock button enable exchanging disc quickly
- Rear exhaust and lever throttle with safety lock
- Disc one push lock button model

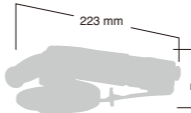


Disc Size mm/(in.)	125/(5")
Spindle Size	M14x2
Free Speed r.p.m. (MAX)	12,000
Output Watt	570
Weight kg/ (lb)	1.65/(3.65)
Noise Level dBA/ (power)	85/(96)
Vibration a/k m/s <sup>2</sup>	11.0/3.6
Avg. Air Consumption CFM/ (L/S)	2.8/(1.3)

## SI-2505L

Disc Grinder

- 5" Disc grinder with safety lever throttle
- For this model because of the safety reason
- Speed governor assures safety operation
- Lever throttle with safety lock

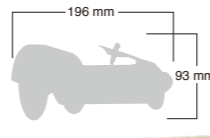


Disc Size mm/(in.)	125/(5")
Spindle Size	ø22/(7/8")
Free Speed r.p.m. (MAX)	12,000
Output Watt	443
Weight kg/ (lb)	1.91/(4.22)
Noise Level dBA/ (power)	82/(93)
Vibration a/k m/s <sup>2</sup>	5.8/1.9
Avg. Air Consumption CFM/ (L/S)	3.3/(1.6)

## SI-2033

Cut off Grinder

- A straight grinder designed for 3" cut off discs
- For cutting sheet metal or pipe
- Especially useful for cutting the exhaust pipe on motorcars
- Compact and lightweight body with lever throttle for safety operation



Disc Size mm/(in.)	75/(3")
Spindle Size	ø9.5/(3/8")
Free Speed r.p.m. (MAX)	20,000
Output Watt	347
Weight kg/ (lb)	1.00/(2.21)
Noise Level dBA/ (power)	89/(100)
Vibration a/k m/s <sup>2</sup>	7.5/2.4
Avg. Air Consumption CFM/ (L/S)	4.0/(1.9)

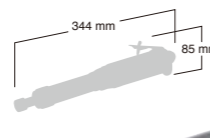
## SI-2023

Die Grinder

## SI-2023-6

6mm Collet model

- Low Speed Die Grinder
- 1/4" collet and 6mm collets are available
- Sander with the extended shaft
- Special designed extended Sander for unreachable place



	SI-2023	SI-2023-6
Collet Size	ø1/4"	ø6mm
Free Speed r.p.m. (MAX)	6,000	6,000
Output Watt	435	435
Weight kg/ (lb)	1.70/(3.75)	1.70/(3.75)
Noise Level dBA/ (power)	90/(101)	90/(101)
Vibration a/k m/s <sup>2</sup>	4.0/0.9	4.0/0.9
Avg. Air Consumption CFM/ (L/S)	3.8/(1.9)	3.8/(1.9)

IMPACT WRENCHES  
DRIVERS  
MATCHET WRENCHES  
SANDERS  
PUSHERS  
GRINDERS  
DRILLS  
SPOTMILLS  
CUTTING TOOLS  
OTHERS  
INDUSTRIAL TOOLS  
SOUND & VIBRATION  
MAINTENANCE CHECK  
QUALITY

## SI-2515WE

Wet Grinder

- Heavy duty rear exhaust wet grinder for use with 5" disc & diamond cup wheels
- Include air hose, water hose and wrenches
- Waterproof mechanism ensure a long working life

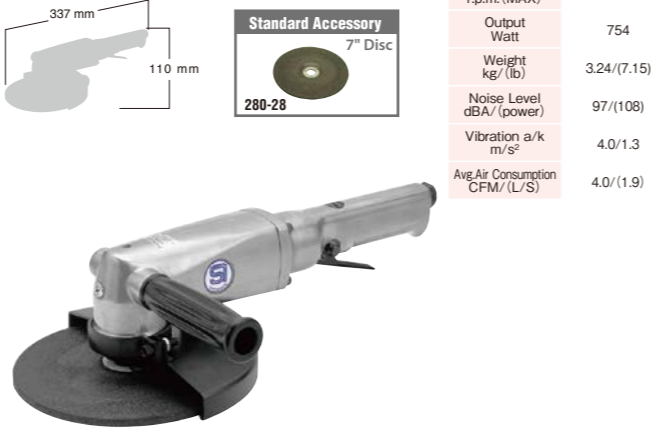


Disc Size mm/(in.)	125(5")
Spindle Size	M14x2
Free Speed r.p.m. (MAX)	10,000
Output Watt	570
Weight kg/ (lb)	2.01/(4.43)
Noise Level dBA/ (power)	85/(96)
Vibration a/k m/s <sup>2</sup>	11.0/3.6
Avg. Air Consumption CFM/ (L/S)	2.8/(1.3)

## SI-2600L

Disc Grinder

- 7" Disc grinder with safety lever throttle
- Speed governor assures safety operation
- High quality air motor assures high power, durability, reducing vibration and trouble free use

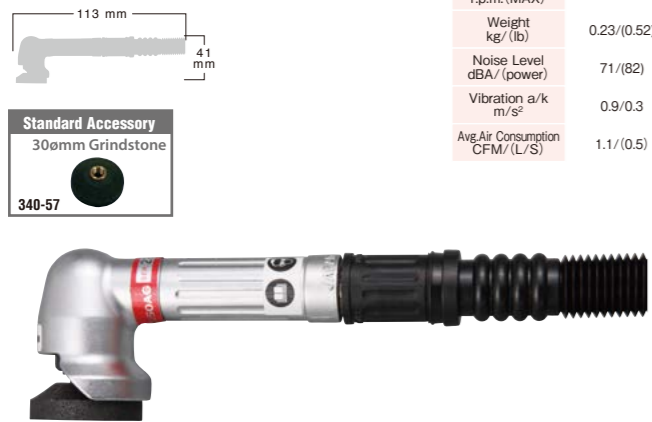


Disc Size mm/(in.)	180(7")
Spindle Size	M10x1.5
Free Speed r.p.m. (MAX)	7,500
Output Watt	754
Weight kg/ (lb)	3.24/(7.15)
Noise Level dBA/ (power)	97/(108)
Vibration a/k m/s <sup>2</sup>	4.0/1.3
Avg. Air Consumption CFM/ (L/S)	4.0/(1.9)

## SI-2050AG

Micro Grinder

- High speed angle head disc grinder with 30mm diameter disc
- 21,000r.p.m.
- For exact and delicate work

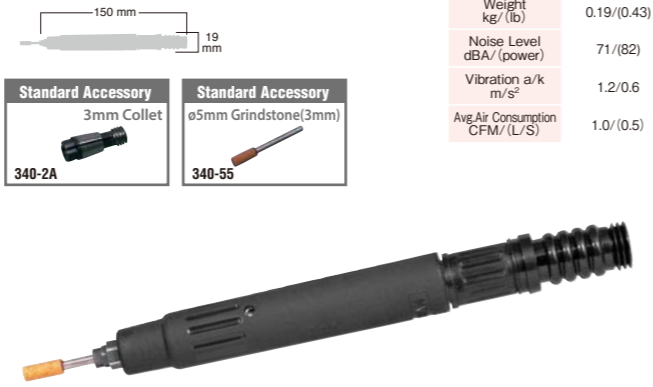


Disc Size mm/(in.)	ø30
Spindle Size	M7x0.75
Free Speed r.p.m. (MAX)	21,000
Weight kg/ (lb)	0.23/(0.52)
Noise Level dBA/ (power)	71/(82)
Vibration a/k m/s <sup>2</sup>	0.9/0.3
Avg. Air Consumption CFM/ (L/S)	1.1/(0.5)

## SI-2051SG

Micro Grinder

- High speed die grinder with 3mm or 1/8" collet
- Low vibration and noise allows extended use
- Option : 1/8" Dia collet



Collet Size	ø3 , 1/8"
Free Speed r.p.m. (MAX)	50,000
Weight kg/ (lb)	0.19/(0.43)
Noise Level dBA/ (power)	71/(82)
Vibration a/k m/s <sup>2</sup>	1.2/0.6
Avg. Air Consumption CFM/ (L/S)	1.0/(0.5)

### SHINANO INC. GRINDER LINEUP

Disc Size	Disc Grinder					Cut Off Grinder
	4 inch	5 inch	5 inch	7 inch	3 inch	
Safety Lever Type	2500L	2501L	2515LA	2505L	2600L	2033
Rotary Switch Type	2500	2501				

Power	Normal Type				Angle Type	
	Low	High	Light Duty	Heavy Duty	Extended Type	
Without Grip cover	2001S	2011S	2006S	2005HD		
	2002EX	2012EX				
With Grip cover	2010	2015A				
			Low Speed	High Speed		
			2023	2022S		

GRINDERS ACCESSORIES	330-24	330-19	330-25	330-26	210-5-1A	175-29	240-6	240-71	240C-1	380-44	241-49	280-28	340-57	340-2A	340-2B	340-55	340-55A
	1/4" Collet	6mm Collet	1/8" Collet	3mm Collet	Dead handle set	3"Cut Disc	4"Disc 15mm Hole	4"Disc 16mm Hole	Disc Nut for 16mm Hole	Disc Nut for 15mm Hole	5"Disc	7"Disc	30mm Grindstone	3mm Collet	1/8" Collet	ø5mm Grindstone (3mm)	ø5mm Grindstone (1/8")
SI-2001S	★	☆	☆	☆													
SI-2001S-6	☆	★	☆	☆													
SI-2002EX	★	☆	☆	☆													
SI-2002EX-6	☆	★	☆	☆													
SI-2011S	★	☆	☆	☆													
SI-2011S-6	☆	★	☆	☆													
SI-2012EX	★	☆	☆	☆													
SI-2012EX-6	☆	★	☆	☆													
SI-2015A	★	☆	☆	☆	☆												
SI-2015A-6	☆	★	☆	☆	☆												
SI-2010	★	☆	☆	☆													
SI-2010-6	☆	★	☆	☆													
SI-2005HD	★	☆	☆	☆													
SI-2005HD-6	☆	★	☆	☆													
SI-2006S	★	☆	☆	☆													
SI-2006S-6	☆	★	☆	☆													
SI-2033						★											
SI-2022S	★	☆	☆	☆													
SI-2022S-6	☆	★	☆	☆													
SI-2023	★	☆	☆	☆													
SI-2023-6	☆	★	☆	☆													
SI-2501L										☆	★	★	☆				
SI-2501										★	☆	☆	★				
SI-2500L										☆	★	★	☆				
SI-2500										★	☆	☆	★				
SI-2515LA																★	
SI-2505L																★	
SI-2600L												★					
SI-2050AG													★				
SI-2051SG															★	☆	★

★ : Standard ☆ : Option



SI-5405-6

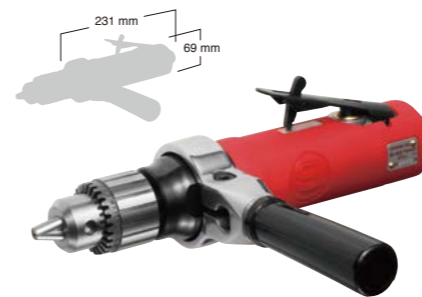
# DRILLS / SPOT MILLS

**DRILLS**  
**SPOT MILLS**



## SI-2015AD Drill

- 3/8" capacity geared straight grip drill
- Specially designed tool for use in narrow place



Free Speed r.p.m.	6,000
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	6/(1/4)
Out Put Watt	457
Max Torque Nm/(ft-lb)	2.62/(1.92)
Weight kg/(lb)	1.06/(2.34)
Noise Level dBA/(power)	86/(97)
Vibration a/k m/s <sup>2</sup>	2.6/0.7
Avg.Air Consumption CFM/(L/S)	4.2/(2.0)

Standard Accessory	
Chuck	Handle
KD-004 (3/8" Drill Chuck w/Handle KK)	210-5-1A

## SI-5100A Drill

- 3/8" capacity geared pistol grip drill
- High speed drill for soft metal



Free Speed r.p.m.	5,000
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	6/(1/4)
Out Put Watt	390
Max Torque Nm/(ft-lb)	3.06/(2.24)
Weight kg/(lb)	0.90/(1.99)
Noise Level dBA/(power)	84/(95)
Vibration a/k m/s <sup>2</sup>	3.4/0.8
Avg.Air Consumption CFM/(L/S)	3.3/(1.6)

Standard Accessory	
Chuck	Handle
KD-004 (3/8" Drill Chuck w/Handle KK)	

## SI-5200A Drill

- 1/2" capacity, geared, pistol grip drill
- 600r.p.m. low speed and high torque
- Ergonomic, compact, lightweight design with feather touch trigger for easy drill bit centering
- Precise planetary gear mechanism with needle roller assures high power, durability and reducing vibration
- Side handle for greater hand grip and control for easy operation



Free Speed r.p.m.	600
Chuck Size mm/(in.)	13/(1/2)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	13/(1/2)
Out Put Watt	390
Max Torque Nm/(ft-lb)	16.81/(12.40)
Weight kg/(lb)	1.42/(3.12)
Noise Level dBA/(power)	82/(93)
Vibration a/k m/s <sup>2</sup>	3.0/1.0
Avg.Air Consumption CFM/(L/S)	3.5/(1.6)

Standard Accessory	
Chuck	Handle
KD-003A (1/2" Drill Chuck w/Handle KK)	210-5-1A

## SI-5300A Drill

- 3/8" capacity geared pistol grip drill
- Heavy duty and the best selling model of the drills
- Precise planetary gear mechanism with needle roller assures high power, durability and reducing vibration
- Ergonomic, compact, lightweight design with feather touch trigger for easy centering



Free Speed r.p.m.	2,000
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	10/(3/8)
Out Put Watt	378
Max Torque Nm/(ft-lb)	6.32/(4.64)
Weight kg/(lb)	0.91/(2.01)
Noise Level dBA/(power)	84/(95)
Vibration a/k m/s <sup>2</sup>	2.0/0.7
Avg.Air Consumption CFM/(L/S)	3.6/(1.7)

Standard Accessory	
Chuck	Handle
KD-004 (3/8" Drill Chuck w/Handle KK)	

## SI-5305A Reversible Drill

- 3/8" capacity geared pistol grip reversible drill
- Handy reverse mechanism
- Can be used for tapping work by utilizing the reverse function



Free Speed r.p.m.	2,000
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	10/(3/8)
Out Put Watt	326
Max Torque Nm/(ft-lb)	F 5.24/(3.85) R 5.71/(4.19)
Weight kg/(lb)	1.02/(2.24)
Noise Level dBA/(power)	90/(101)
Vibration a/k m/s <sup>2</sup>	4.7/0.9
Avg.Air Consumption CFM/(L/S)	3.9/(1.8)

Standard Accessory	
Chuck	Handle
KD-004 (3/8" Drill Chuck w/Handle KK)	

## SI-5305-8A Reversible Drill

- 1/2" capacity geared pistol grip reversible drill. 800r.p.m. low speed and high torque.
- Handy reverse mechanism
- Can be used for tapping work by utilizing the reverse function
- Side handle for greater hand grip and control for easy operation



Free Speed r.p.m.	800
Chuck Size mm/(in.)	13/(1/2)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	13/(1/2)
Out Put Watt	326
Max Torque Nm/(ft-lb)	11.66/(8.60)
Weight kg/(lb)	1.45/(3.20)
Noise Level dBA/(power)	91/(102)
Vibration a/k m/s <sup>2</sup>	6.0/1.6
Avg.Air Consumption CFM/(L/S)	4.2/(2.0)

Standard Accessory	
Chuck	Handle
KD-003A (1/2" Drill Chuck w/Handle KK)	210-5-1A

IMPACT WRENCHES  
DRIVERS  
MATCHET WRENCHES  
SANDERS  
PUSHERS  
GRINDERS  
DRILLS SPOT MILLS  
CUTTING TOOLS  
OTHERS  
INDUSTRIAL TOOLS  
SOUND & VIBRATION  
MAINTENANCE CHECK  
QUALITY

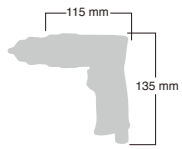
## SI-5501

Drill

## SI-5506

Reversible Drill

- Super light weight & compact design with solid composite body
- Based on two-layer molded rubber grip giving comfortable grip and reducing vibration
- 3/8" capacity geared pistol grip drill
- A swivel lever for regulator can be used with one hand allowing easy operation



Regulator Lever

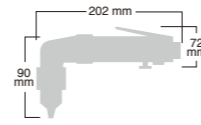


	SI-5501	SI-5506
Free Speed r.p.m.	2,400	1,700
Chuck Size mm/(in.)	10/(3/8)	10/(3/8)
Spindle Size	3/8-24UNF	3/8-24UNF
Drilling Cap mm/(in.)	10/(3/8)	10/(3/8)
Out Put Watt	234	146
Max Torque Nm/(ft-lb)	3.80/(2.79)	F 2.67/(1.96) R 2.58/(1.89)
Weight kg/(lb)	0.60/(1.32)	0.60/(1.32)
Noise Level dBA/(power)	80/(91)	80/(91)
Vibration a/k m/s <sup>2</sup>	2.6/0.7	1.9/0.6
Avg.Air Consumption CFM/(L/S)	2.2/(1.0)	2.4/(1.1)

## SI-5355

Angle Head Drill

- 3/8" capacity geared angle head drill
- Designed to facilitate drilling in confined places



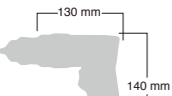
Reverse Button

Free Speed r.p.m.	1,200
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	10/(3/8)
Out Put Watt	180
Max Torque Nm/(ft-lb)	F 4.54/(3.37) R 4.37/(3.21)
Weight kg/(lb)	0.94/(2.07)
Noise Level dBA/(power)	84/(95)
Vibration a/k m/s <sup>2</sup>	3.2/0.8
Avg.Air Consumption CFM/(L/S)	3.0/(1.4)

## SI-5405

Reversible Drill

- Triple idler planetary gearing for smooth operation and extended tool life.
- Body end mounted reverse lever for one hand directional changes.
- High quality 3/8" chuck.

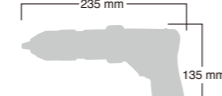
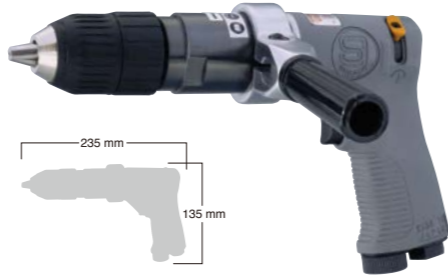


Free Speed r.p.m.	1,500
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	10/(3/8)
Out Put Watt	197
Max Torque Nm/(ft-lb)	F 4.83/(3.55) R 4.70/(3.45)
Weight kg/(lb)	1.08/(2.38)
Noise Level dBA/(power)	80/(91)
Vibration a/k m/s <sup>2</sup>	2.9/0.9
Avg.Air Consumption CFM/(L/S)	2.4/(1.1)

## SI-5405-6

Reversible Drill

- Side handle assures easy operation and prevent wrist from injuries.
- Double reduction mechanism for exceptional power.
- 1/2" capacity standard rated grill chuck.



Free Speed r.p.m.	600
Chuck Size mm/(in.)	13/(1/2)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	13/(1/2)
Out Put Watt	186
Max Torque Nm/(ft-lb)	10.58/(7.80)
Weight kg/(lb)	1.41/(3.10)
Noise Level dBA/(power)	82/(93)
Vibration a/k m/s <sup>2</sup>	3.4/0.8
Avg.Air Consumption CFM/(L/S)	2.3/(1.1)

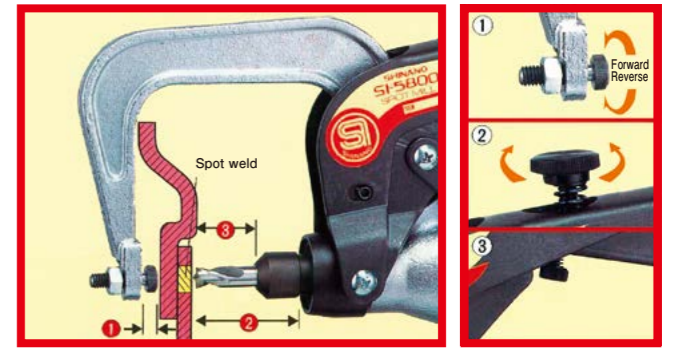
## SI-5800

Spot Mill

- Specially designed to remove spot welds on body panels of motorcars. Work guide makes easy operation
- Easy to adjust depth of cut
- Special designed tool for spot welding separation
- With ø8mm Mill
- With sleeve for ø6.5mm Mill



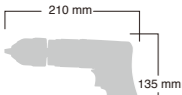
Free Speed r.p.m.	1,600
Chuck Size mm/(in.)	8/(5/8)
Endmill Size	ø8
Milling Cap mm/(in.)	8/(5/16)
Out Put Watt	197
Weight kg/(lb)	1.80/(3.96)
Noise Level dBA/(power)	82/(93)
Vibration m/s <sup>2</sup>	<2.5
Avg.Air Consumption CFM/(L/S)	3.0/(1.4)



## SI-5500

Drill

- 3/8" capacity geared pistol grip drill
- Light duty and reasonable price model
- Ergonomic, compact and lightweight design for easy operation



Free Speed r.p.m.	2,600
Chuck Size mm/(in.)	10/(3/8)
Spindle Size	3/8-24UNF
Drilling Cap mm/(in.)	10/(3/8)
Out Put Watt	258
Max Torque Nm/(ft-lb)	3.54/(2.53)
Weight kg/(lb)	0.79/(1.75)
Noise Level dBA/(power)	85/(96)
Vibration a/k m/s <sup>2</sup>	2.8/0.7
Avg.Air Consumption CFM/(L/S)	2.5/(1.2)

## SI-5505

Drill

- 3/8" capacity geared pistol grip drill with solid composite body
- Supplied with keyless chuck
- Solid composite body absorbs the vibration remarkably and also protects your hand in a cold environment
- Keyless chuck enable the quick change of drill bits

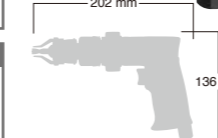


Free Speed r.p.m.	1,900
Chuck Size mm/(in.)	10/(3/8)
Drilling Cap mm/(in.)	10/(3/8)
Out Put Watt	158
Max Torque Nm/(ft-lb)	F 2.05/(1.51) R 1.81/(1.33)
Weight kg/(lb)	0.75/(1.65)
Noise Level dBA/(power)	80/(91)
Vibration a/k m/s <sup>2</sup>	2.5/0.7
Avg.Air Consumption CFM/(L/S)	2.6/(1.2)

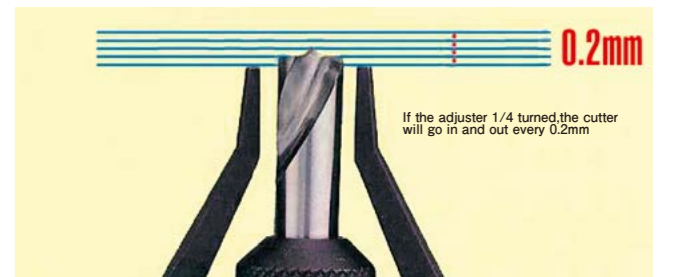
## SI-5850



























Spot Mill

- Specially designed to remove spot welds on body panel of motorcars
- Work guide makes easy operation
- Easy to adjust depth of cut
- Special designed tool for spot welding separation
- With ø8mm Mill



Free Speed r.p.m.	2,000
Chuck Size mm/(in.)	8/(5/8)
Endmill Size	ø8
Milling Cap mm/(in.)	8/(5/16)
Out Put Watt	390
Weight kg/(lb)	1.39/(3.06)
Noise Level dBA/(power)	83/(94)
Vibration m/s <sup>2</sup>	<2.5
Avg.Air Consumption CFM/(L/S)	1.3/(0.6)



DRILLS / SPOT MILLS ACCESSORIES	KD-004	LX10	LM13W	KD-003A	KD-002	KK	KG1	100	210-5-1A	271-17	119KDA-200
	 Chuck / Handle	 3/8" Keyless Chuck (Yukiwa)	 1/2" Keyless Chuck (Yukiwa)	 Chuck / Handle	 Chuck / Handle	 Chuck Handle for KD-004, & KD-003A	 Chuck Handle for KD-002	 Collet Driver	 Dead handle set	 ø8mm milling Cutter	 Spot Cutter 8.2ø×88mm
 SI-2015AD	★	☆				★			★		
 SI-5100A	★	☆				★					
 SI-5200A			☆	★		★			★		
 SI-5300A	★	☆				★					
 SI-5305A	★	☆				★		☆	☆		
 SI-5305-8A			☆	★		★			★		
 SI-5501		☆			★		★				
 SI-5506		☆			★		★				
 SI-5405	☆	★				☆		☆	☆		
 SI-5405-6			★	☆		☆			★		
 SI-5500		☆			★		★				
 SI-5505	☆	★				☆					
 SI-5355	★	☆				★					
 SI-5800										★	
 SI-5850								★	★		

★ : Standard ☆ : Option

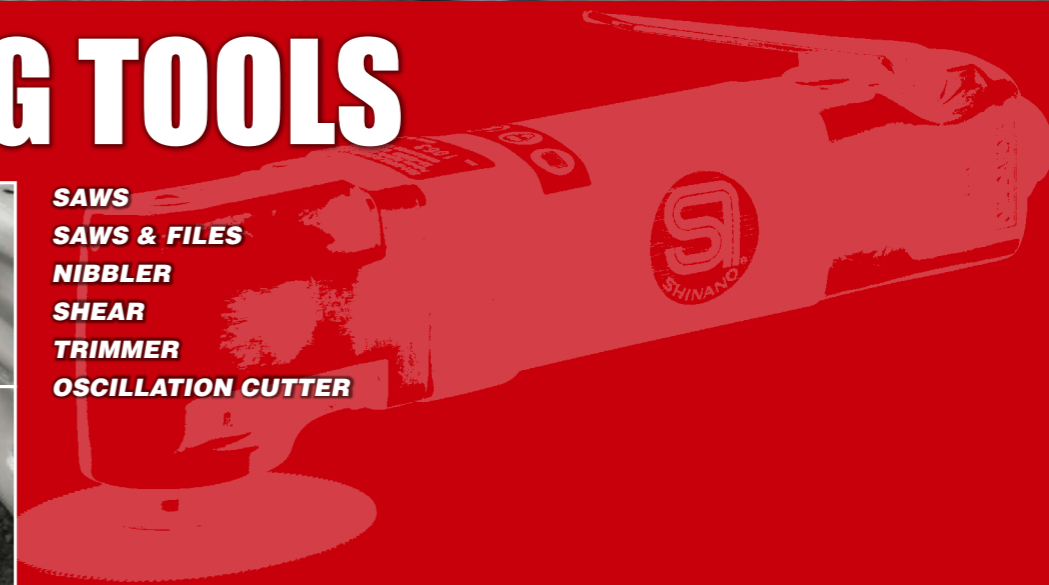


SI-4740

## CUTTING TOOLS



- SAWS
- SAWS & FILES
- NIBBLER
- SHEAR
- TRIMMER
- OSCILLATION CUTTER





## SI-4700B

Saw

- This air saw is the most popular tool for cutting body panel of motorcars and one of longest selling models in the automotive repair market
- A popular tool at reasonable price



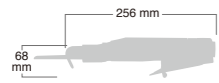
Cutting cap (Steel) mm/(in.)	3/(1/8)
Stroke length mm	10
Free Speed s.p.m. ★	10,000
Weight kg/(lb)	0.58/(1.27)
Noise Level dBA/(power)	82/(93)
Vibration a/k m/s <sup>2</sup>	22.6/2.7
Avg Air Consumption CFM/(L/S)	1.2/(0.6)

★s.p.m. (Stroke Per Minutes)

## SI-4730

Saw

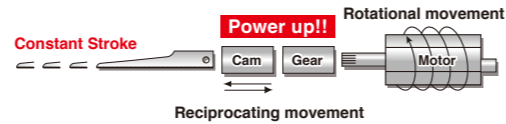
- Air saw & file with rotary motor
- SI-4700B & SI-4710 are worked by piston but this model has a rotary air motor and makes working strokes through the gears
- Smooth operation, low vibration and low noise
- Amazing non-stop cutting with extremely low use fatigue



File Shank Opening mm/(in.)	5/(3/16)
Cutting cap (Steel) mm/(in.)	5/(3/16)
Stroke length mm	9
Free Speed s.p.m. ★	6,000
Out Put W	296
Weight kg/(lb)	0.92/(2.03)
Noise Level dBA/(power)	86/(97)
Vibration a/k m/s <sup>2</sup>	15.1/1.9
Avg Air Consumption CFM/(L/S)	3.0/(1.4)

★s.p.m. (Stroke Per Minutes)

### Nonstop rotary mechanism



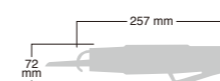
rotary air motor



## SI-4710

Saw

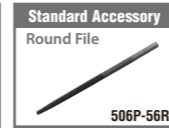
- Air saw & file
- An improved model over the SI-4700B
- You can use saw blades, as well as 3 different files with this tool
- Low vibration and high power



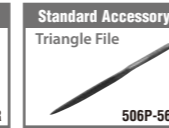
SI-4710 · SI-4710F



SI-4710F



SI-4710F



SI-4710F

SI-4710F · SI-4710F: Saw Blade and 3files set

## SI-4710F

Saw blade and 3files set

Saw & File

Regulator Dial

Safety Lever

File Shank Opening mm/(in.)	5/(3/16)
Cutting cap (Steel) mm/(in.)	3/(1/8)
Stroke length mm	10
Free Speed s.p.m. ★	10,000
Weight kg/(lb)	0.80/(1.76)
Noise Level dBA/(power)	85/(97)
Vibration a/k m/s <sup>2</sup>	21.0/1.5
Avg Air Consumption CFM/(L/S)	1.0/(0.5)

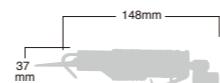
★s.p.m. (Stroke Per Minutes)



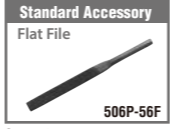
## SI-4740

Saw

- World's smallest and lightest air saw
- Easy to use in tight place
- This model mechanism is same with the SI-4730, worked by rotary air motor and makes working strokes through the gears
- Only 5mm strokes and other parts are not damaged



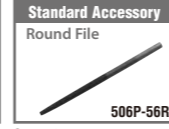
SI-4740 · SI-4740F



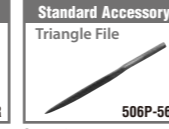
SI-4740F



SI-4740 · SI-4740F



SI-4740F



SI-4740F

SI-4740F · SI-4740F: Saw Blade and 3files set

## SI-4740F

Saw blade and 3files set

Saw & File

360° Swivel Regulator

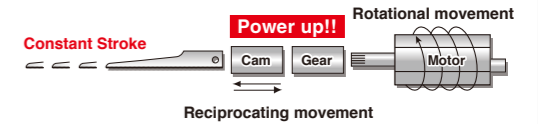
Safety Lever

File Shank Opening mm/(in.)	5/(3/16)
Cutting cap (Steel) mm/(in.)	4/(5/32)
Stroke length mm	5
Free Speed s.p.m. ★	10,500
Out Put W	135
Weight kg/(lb)	0.52/(1.15)
Noise Level dBA/(power)	83/(94)
Vibration a/k m/s <sup>2</sup>	14.5/1.9
Avg Air Consumption CFM/(L/S)	1.7/(0.8)

★s.p.m. (Stroke Per Minutes)



### Nonstop rotary mechanism



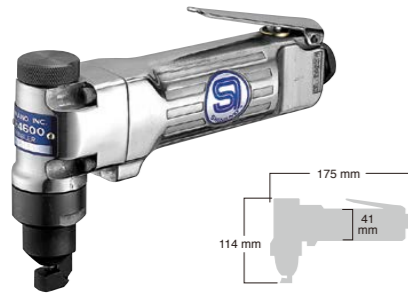
SI-4740F



# CUTTING TOOLS

Nibbler • Shear • Trimmer • Oscillation Cutter

## SI-4600 Nibbler



Cutting Width mm/(in.)	4.5/(3/16)	Weight kg/(lb)	1.00/(2.20)
Cutting cap mm/(in.)	1.6/(1/16)	Noise Level dBA/(power)	88/(99)
Free Speed r.p.m.	2,600	Vibration a/k m/s <sup>2</sup>	8.6/1.3
Out Put Watt	316	Avg. Air Consumption CFM/(L/S)	3.3/(1.6)

## SI-4500 Shear



Cutting Width mm/(in.)	5.4/(7/32)	Weight kg/(lb)	1.26/(2.79)
Cutting cap mm/(in.)	1.6/(1/16)	Noise Level dBA/(power)	83/(94)
Free Speed r.p.m.	2,000	Vibration a/k m/s <sup>2</sup>	4.9/0.9
Out Put Watt	378	Avg. Air Consumption CFM/(L/S)	3.5/(1.6)

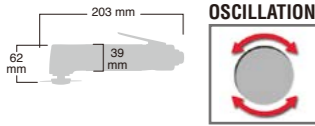
## SI-2018A Trimmer SI-2018A-6 6mm Collet model



Standard Accessory 330-24	Collet Size	ø1/4"	ø6mm
SI-2018A	Free Speed r.p.m.	26,000	26,000
SI-2018A-6	Output Watt	381	381
Standard Accessory 330-19	Weight kg/(lb)	0.91/(2.01)	0.91/(2.01)
SI-2018A-6	Noise Level dBA/(power)	87/(98)	87/(98)
	Vibration m/s <sup>2</sup>	<2.5	<2.5
	Avg. Air Consumption CFM/(L/S)	4.2/(2.0)	4.2/(2.0)

## SI-4300 Oscillation Cutter

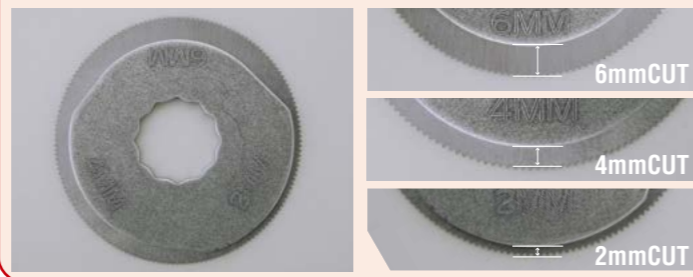
- Oscillation cutting tool specially designed to cut the body panels of motorcars
- Two different cutting blades are supplied with the tool
- Specially designed tool for car repair shop
- The depth of the cut can be adjusted



Disc Size mm	ø63
Oscillating Angle	2.8°
Free Speed o.p.m. ★	20,000
Weight kg/(lb)	0.89
Noise Level dBA/(power)	88/(99)
Vibration a/k m/s <sup>2</sup>	4.8/0.9
Avg. Air Consumption CFM/(L/S)	3.2/(1.5)

★o.p.m. (Oscillation Per Minutes)

### 508-45A & 508-44

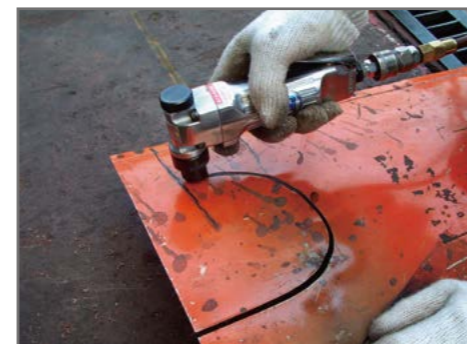


# CUTTING TOOLS

CUTTING TOOLS ACCESSORIES	506-49ASI	1025-49A	1025-50A	1026-49A	506P-56F	506P-56R	506P-56T	502-42	502-41	1026-50
SI-4700B	★	☆	☆							
SI-4730		★	☆		☆	☆	☆			
SI-4710	★	☆	☆		☆	☆	☆			
SI-4710F	★	☆	☆		★	★	★			
SI-4740				★	☆	☆	☆			★
SI-4740F				★	★	★	★			★
SI-4600								★	★	

CUTTING TOOLS ACCESSORIES	160-2	160-3	160-4	508-45A	508-45B	508-44	330-24	330-19	330-25	330-26
SI-4500	★	★	★							
SI-2018A							★	☆	☆	☆
SI-2018A-6							☆	★	☆	☆
SI-4300				★	★	★				

★ : Standard ☆ : Option



SI-4600

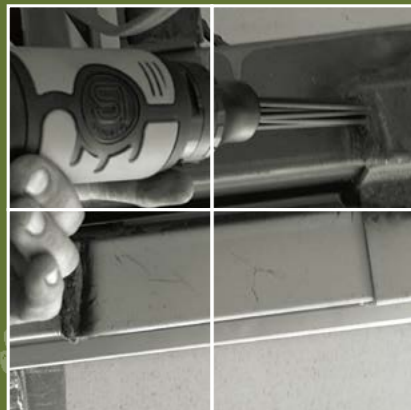


SI-4500



SI-4160

# OTHERS



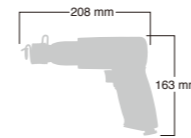
**AIR HAMMER  
NEEDLE SCALERS  
HYDRO PUNCHER**

## OTHERS Air Hammer

### SI-4120A

Air Hammer

- Pistol grip air hammer for 10.2mm diameter chisels (.401" shank)
- Many kinds of the chisels are available as accessories
- High speed piston power of 2,600 times per min
- Powerful piston enable the tool to cope with many kinds of work



Shank Size in./ (mm)	.401/ (10.2)
Stroke length mm	Max 10
Free Blow Speed s.p.m.	2,600
Weight kg/ (lb)	1.60/ (3.52)
Noise Level dBA/ (power)	104/ (116)
Vibration m/s <sup>2</sup>	9.0
Avg. Air Consumption CFM/ (L/S)	3.0/ (1.4)

### AIR HAMMER ACCESSORIES

#### Special Accessories .401 Shank CHISELS

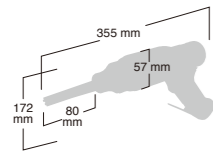
All products are made in Japan.

No.801		TIE ROD TOOL	No.813		RIVET CUTTER
No.802		TAIL PIPE CUTTER	No.814		BLANK CHISEL
No.803		FORK 21/32" OPENING	No.815		SPOT WELD BREAKER
No.803J		FORK 15/16" OPENING	No.816		SHEET METAL B
No.804		BUSHING REMOVER	No.817		BUSHING DRIVER
No.805		SCRAPER	No.818		FLAT BEND
No.806		BUSHING SPLITTER	No.819		SHEET METAL PUNCH
No.807		SHEET METAL A	No.820		PANEL CLIPPER
No.808		MUFFER CUTTER	No.821		SMOOTHING HAMMER
No.809		DOUBLE EDGE PANEL CUTTER	No.822		STRAIGHT PUNCH
No.810		FLAT 7" LONG	No.823		PAINT SCRAPER
No.811		FLAT 9" LONG	No.824		SHOCK ABSORBER CHISEL
No.812		TAPER PUNCH	No.825		MOIL POINT

# SI-4160

Needle Scaler

- Pistol type needle scaler is good for holding.
- Ergonomic design with rubber grip giving protects your hand from the cold.
- Excellent performance on uneven or rough surfaces.



Attachment Included

820-11



Ergonomic Soft touch grip



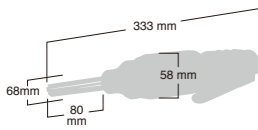
Stroke length mm	Max 4.5
Free Blow Speed s.p.m.	3,300
Weight kg/ (lb)	2.19/(4.83)
Noise Level dBA/ (power)	95/(108)
Vibration m/s <sup>2</sup>	14.1
Avg.Air Consumption CFM/ (L/S)	1.4/(0.7)

# SI-4150EX

New

Needle Scaler

- Straight grip needle scaler for removing rust or old paint. Excellent performance on uneven or rough surfaces.
- Ergonomic grip and composite body design.
- Simple mechanism for easy maintenance and needle replacement.



Attachment Included

820-11

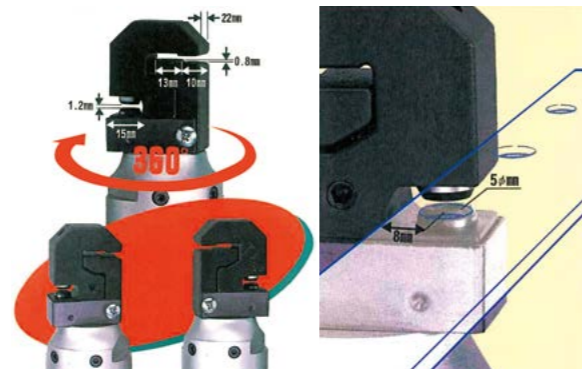
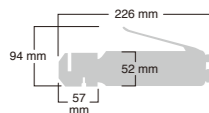


Stroke length mm	Max 4.5
Free Blow Speed s.p.m.	3,500
Weight kg/ (lb)	2.06/(4.53)
Noise Level dBA/ (power)	97/(107)
Vibration m/s <sup>2</sup>	13.0
Avg.Air Consumption CFM/ (L/S)	1.3/(0.6)

# SI-4800

Hydro Puncher

- Punching and flanging tool is useful for panel beating work.
- Best tool for welding work of car body.



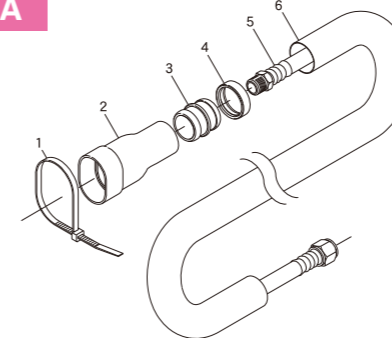
Punching cap	ø5 x 1.2mm
Cutting cap mm/ (in.)	1.2/(3/64)
Weight kg/ (lb)	1.01/(2.23)
Vibration m/s <sup>2</sup>	<2.5
Avg.Air Consumption CFM/ (L/S)	1.3/(0.6)

We also have industrial range products. Our concepts for the products are; \*Productivity \*Accessibility \*Ergonomics \*Durability \*Safety



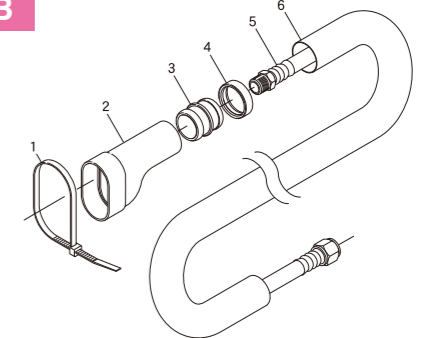
## Exhaust Hose

TYPE-A



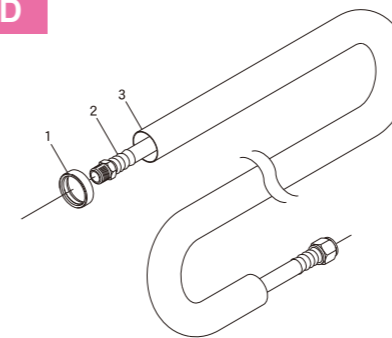
Ref. No.	Parts No.	Description	Q' ty
1	106-10	Harness Band	1
2	106-5	Exhaust Cover A	1
3	106-6	Connector	1
4	106-1	Urethane Band	1
5	106-3	Wipe Hose	1
6	106-2	Exhaust Hose	1
NO.1~6	106-A	Wipe Hose A Assy	1

TYPE-B



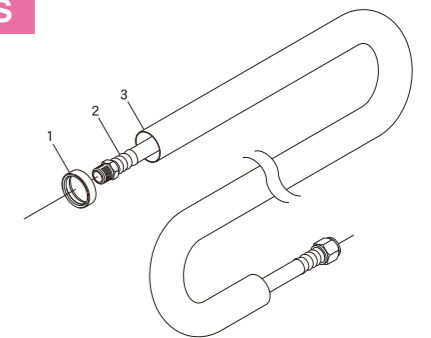
Ref. No.	Parts No.	Description	Q' ty
1	106-10	Harness Band	1
2	106-7	Exhaust Cover B	1
3	106-6	Connector	1
4	106-1	Urethane Band	1
5	106-3	Wipe Hose	1
6	106-2	Exhaust Hose	1
NO.1~6	106-B	Wipe Hose B Assy	1

TYPE-D



Ref. No.	Parts No.	Description	Q' ty
1	106-1	Urethane Band	1
2	106-3	Wipe Hose	1
3	106-2	Exhaust Hose	1
NO.1~3	106-D	Wipe Hose D Assy	1

TYPE-S



Ref. No.	Parts No.	Description	Q' ty
1	106-8	Urethane Band S	1
2	106-3	Wipe Hose	1
3	106-9	Exhaust Hose S	1
NO.1~3	106-S	Wipe Hose S Assy	1



## IMPACT WRENCHES

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-1310S	<2.5	4.8	0.9	86	97
SI-1315S	<2.5	4.9	1.0	86	97
SI-1355	3.1	3.3	0.8	80	91
SI-1365	3.3	8.3	1.3	91	102
SI-1305	7.4	3.8	0.8	91	102
SI-1650AH	9.4	18.1	2.2	91	102
SI-1420T	3.2	7.3	1.2	91	102
SI-1422T	3.8	8.2	1.3	92	103
SI-1610	4.0	8.6	1.3	94	105
SI-1610SR	4.0	8.6	1.3	94	105
SI-1490B	4.8	8.6	1.3	94	105
SI-1490BSR	4.8	8.6	1.3	94	105
SI-1357	11.3	7.6	1.2	92	103
SI-1457	11.3	9.1	1.4	92	103
SI-1605	4.0	8.6	1.3	94	105
SI-1605SR	4.0	8.6	1.3	94	105
SI-1492B	5.8	8.6	1.3	94	105
SI-1492BSR	5.8	8.6	1.3	94	105
SI-1550	9.1	11.2	1.6	92	103
SI-1550SR	9.1	11.2	1.6	92	103
SI-1556	9.1	11.1	1.5	93	104
SI-1556SR	9.1	11.1	1.5	93	104
SI-1860	8.9	8.8	1.3	94	105
SI-1866	8.9	8.3	1.3	95	106
SI-1870	9.1	9.3	1.4	94	105
SI-1876	9.1	12.1	1.7	94	105
SI-1878	9.1	11.1	1.5	94	105
SI-1880	8.7	8.3	1.3	92	103
SI-1888	8.7	9.8	1.4	92	103
SI-1900	9.3	-	-	107	116

## DRIVERS

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-1052	4.1	9.3	1.4	90	101
SI-1062	4.0	9.8	1.4	87	98
SI-1060	4.0	10.8	2.8	89	100
SI-1065	5.0	6.9	2.0	88	99
SI-1356D	3.3	6.6	1.1	87	98
SI-1365D	3.3	7.6	2.6	84	95
SI-1070	<2.5	6.4	2.1	83	94
SI-1170	4.0	0.8	0.5	85	96
SI-1140	4.5	0.2	0.5	80	91
SI-1161	<2.5	0.3	0.5	85	96
SI-1166A	<2.5	0.4	0.5	88	99
SI-1166-BA	<2.5	1.0	0.6	91	102

## RATCHET WRENCHES

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-1107B	<2.5	6.1	1.1	77	88
SI-1108B	<2.5	6.4	1.1	77	88
SI-1207EX	3.5	4.0	0.9	84	95
SI-1208EX	3.5	4.5	0.9	88	99
SI-1200B	3.5	3.6	0.8	82	93
SI-1205B	3.5	5.7	1.0	82	93
SI-1251	3.5	4.0	0.8	75	86
SI-1252	3.5	3.9	0.8	75	86
SI-1261	7.0	5.1	1.0	84	95
SI-1262	7.0	5.0	1.0	84	95
SI-1320A	7.6	6.3	1.1	89	100
SI-1325A	8.6	6.3	1.1	89	100
SI-1241A	7.6	11.3	1.6	83	94
SI-1340EX	7.6	4.2	0.9	82	93
SI-1345EX	7.6	4.1	0.9	82	93
SI-1435	9.7	5.4	1.0	93	104
SI-1288	6.3	6.8	1.1	84	95

## SANDERS

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-2740	<2.5	1.0	0.6	85	96
SI-2700	<2.5	2.2	0.7	86	99
SI-2700L	<2.5	2.5	0.7	83	94
SI-2700LS	<2.5	1.6	0.6	84	95
SI-2800	<2.5	3.0	0.8	84	95
SI-2830	<2.5	1.6	0.6	86	97
SI-3121-6	-	13.4	1.8	81	92
SI-3121	-	12.8	1.7	81	92
SI-3101LG	-	13.7	1.8	88	99
SI-3111LG	-	13.7	1.8	88	99
SI-3103A	<2.5	10.6	1.5	80	91
SI-3103-6A	<2.5	11.5	1.6	80	91
SI-3113A	<2.5	13.6	1.8	83	94
SI-3113-6A	<2.5	13.2	2.9	83	94
SI-3101	<2.5	14.4	1.9	84	95
SI-3101-6	<2.5	10.4	2.3	84	95
SI-3111	<2.5	10.2	1.5	88	99
SI-3111-6	<2.5	11.7	1.6	88	99
SI-3118A	<2.5	9.0	1.4	81	92
SI-3118-6A	<2.5	10.1	1.5	81	92
SI-3115R	<2.5	11.2	1.6	86	97
SI-3115R-6	<2.5	9.7	2.9	86	97
SI-3103B	5.5	15.6	2.0	87	98
SI-3100	4.2	10.2	1.5	75	86
SI-3102M	<2.5	7.4	1.2	85	96
SI-3112M	<2.5	6.6	1.1	92	103
SI-3001A	<2.5	6.2	1.1	82	93
SI-3011A	<2.5	7.4	1.5	83	94
SI-3003A	<2.5	6.9	1.1	75	86
SI-3013	<2.5	4.6	0.9	88	99
SI-3005	<2.5	21.1	2.8	88	99
SI-3007	<2.5	27.5	3.2	86	97
SI-3018A	<2.5	10.2	1.5	83	94
SI-3003B	<2.5	4.6	0.9	88	99
SI-2026	<2.5	3.4	0.8	88	99
SI-2351	<2.5	4.9	0.9	80	91
SI-2008	<2.5	4.0	0.9	83	94
SI-2107A	<2.5	3.8	0.9	85	96
SI-2108	<2.5	18.5	2.3	85	96
SI-2108-2	<2.5	18.5	2.3	85	96
SI-2210	<2.5	3.8	1.0	91	102
SI-2201	<2.5	2.2	0.7	82	93
SI-2201-2	<2.5	2.2	0.7	82	93
SI-2202-2	<2.5	2.3	0.7	82	93
SI-2202	<2.5	2.3	0.7	82	93
SI-2110S	<2.5	9.5	2.1	82	93
SI-2300	<2.5	1.4	0.6	82	93
SI-3200A	<2.5	9.6	2.2	83	94
SI-2322WR-LE	<2.5	1.7	0.6	88	99
SI-3310	<2.5	10.2	2.1	83	94



## POLISHERS

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-2415	<2.5	13.1	5.6	86	97
SI-3100P	5.3	6.7	3.1	75	86
SI-2221	<2.5	1.4	0.6	83	94
SI-2224S	<2.5	1.6	0.6	83	94
SI-2009	<2.5	1.1	0.6	77	88
SI-2009H	<2.5	2.3	0.7	77	88
SI-2400	<2.5	1.8	0.6	83	94
SI-2405	<2.5	1.8	1.0	84	95
SI-2451	<2.5	2.2	0.7	83	94

## GRINDERS

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-2001S	<2.5	3.4	0.8	84	95
SI-2001S-6	<2.5	3.4	0.8	84	95
SI-2002EX	<2.5	2.3	0.7	84	95
SI-2002EX-6	<2.5	2.3	0.7	84	95
SI-2011S	<2.5	6.5	1.1	87	98
SI-2011S-6	<2.5	6.5	1.1	87	98
SI-2012EX	<2.5	3.9	1.3	87	98
SI-2012EX-6	<2.5	3.9	1.3	87	98
SI-2015A	<2.5	4.9	0.9	88	99
SI-2015A-6	<2.5	4.9	0.9	88	99
SI-2010	<2.5	5.9	1.0	83	94
SI-2010-6	<2.5	5.9	1.0	83	94
SI-2005HD	-	7.3	1.2	81	92
SI-2005HD-6	-	7.3	1.2	81	92
SI-2006S	3.9	7.4	1.6	83	94
SI-2006S-6	3.9	7.4	1.6	83	94
SI-2033	<2.5	7.5	2.4	89	100
SI-2022S	<2.5	4.1	0.9	89	100
SI-2022S-6	<2.5	4.1	0.9	89	100
SI-2023	<2.5	4.0	0.9	90	101
SI-2023-6	<2.5	4.0	0.9	90	101
SI-2501L	5.7	9.6	3.1	81	92
SI-2501	5.7	8.4	2.8	82	93
SI-2500L	2.9	9.9	3.2	80	91
SI-2500	2.9	7.6	2.5	84	95
SI-2515LA	2.9	11.0	3.6	85	96
SI-2505L	2.8	5.8	1.9	82	93
SI-2515WE	-	11.0	3.6	85	96
SI-2600L	<2.5	4.0	1.3	97	108
SI-2050AG	<2.5	0.9	0.3	71	82
SI-2051SG	<2.5	1.2	0.6	71	82



## VIBRATION LEVELS

The vibration tests have been carried out in accordance with ISO28927 or standard EN60745 standards for power tools. Vibration levels under these standards are described by two values, "A" gives the vibration value (m/s<sup>2</sup>) and "K" the measurement uncertainty (m/s<sup>2</sup>). They represent the values, as measured in the lab, taken from 3 axes and closest to field conditions, rather than the data obtained on one axis, as was the case under the previous standard ISO8662.

## SOUND LEVELS

The noise tests are carried out in accordance with BS EN ISO15744:2008 and BS EN ISO11203:2009. The test is performed outdoors over a reflecting plane and there are no reflecting obstacles within a distance larger than 6 meters from the tool to the obstacle in each direction.

## DRILLS

No.	VIBRATION LEVEL			Sound pressure	Sound power
	ISO8662	ISO 28927			
		a	K		
SI-2015AD	<2.5	2.6	0.7	86	97
SI-5100A	<2.5	3.4	0.8	84	95
SI-5200A	<2.5	3.0	1.0	82	93
SI-5300A	<2.5	2.0	0.7	84	95
SI-5305A	<2.5	4.7	0.9	90	101
SI-5305-8A	<2.5	6.0	1.6	91	102
SI-5501	<2.5	2.6	0.7	80	91
SI-5506	<2.5	1.9	0.6	80	91
SI-5405	<2.5	2.9	0.9	80	91
SI-5405-6	<4.0	3.4	0.8	82	93
SI-5500	<2.5	2.8	0.7	85	96

## OPERATING ENVIRONMENT

In order to have a tool operate safely and with satisfactory performance, please read the following information thoroughly before considering which SI tool is right for your application.

## WORK STATIONS

The tools in this catalogue are intended to be used as a hand-held tool only. It is always recommended that the operator uses the tool in a standing position on a solid floor. These tools can be used in other positions, but before any such use, the operator must ensure they are in a secure position holding the tool firmly and following extra safety precautions that may be required by your workplace.

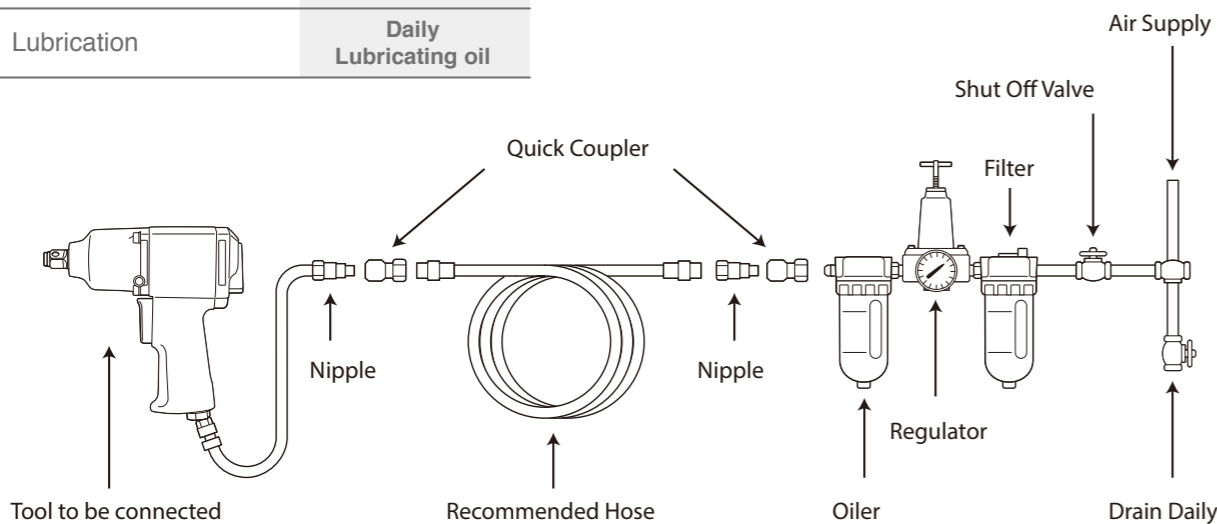
## AIR SUPPLY SYSTEM

To ensure that SI pneumatic tools perform as expected it is necessary to ensure the air supply to the tool is setup correctly. Compressed air must be supplied to the tool at a pressure of 90 PSI (0.63 mpa) when the tool is running with the trigger fully depressed.

Shinano Inc. recommends air regulators, filters, lubricator and water traps be installed in the air supply system. Hose diameter and length can effect the performance of some high capacity pneumatic tools. It is important that the correct hoses and fittings be used. Details of such equipment can be obtained from your pneumatic tool supplier.

It is recommended that the pneumatic tools are connected to an air supply system with a configuration as shown in the diagram below. DO NOT connect a pneumatic tool to the airline system without incorporating an easy to reach and operate air shut off valve. Ensure the air supply system can support the tool(s) that will be connected to it. An air filter, regulator and lubricator units should be installed to the air supply system that powers your pneumatic tools.

DESCRIPTION	
Pressure at the working	0.63MPa (90PSI 6.3bar)
Max Hose Length	10m (30ft)
Lubrication	Daily Lubricating oil



## PLANNING AND DEVELOPMENT

Our product development team analyse industry data for the planning of new tools.

## DESIGN

Our designs are drawn from over 45 years experience in pneumatic tool design and production, extensive industry research, sound engineering & ergonomic principles and employing modern production techniques.

In our design process, we carefully study the properties and function of each part. We examine the manufacturing parameters of an assembled component, then test for strength and performance.

Shinano Inc. collects data by conducting test experiments in the fields of operator safety, health and workplace productivity. Our designers always aim for perfection in their designs which will in-turn build on the strengths of the SI product range.

## PRODUCTION

We believe that precision robotics, combined with the management systems of the human mind produce high quality products at a reasonable price. Our production lines incorporate fully automatic robotics, to accurately, rapidly and efficiently manufacture our products.



## CERTIFYING OUR STANDARDS OF QUALITY

Component inspection is carefully carried out at a number of production stages. Inspectors ensure that the production meets the required quality and durability standards. Constant vigilance and daily production inspections ensure the high quality of Shinano Inc. air tools.



IMPACT WRENCHES  
DRIVERS  
MATCHET WRENCHES  
SANDERS  
PUSHERS  
GRINDERS  
DRILLS  
SPINDLES  
CUTTING TOOLS  
OTHERS  
INDUSTRIAL TOOLS  
SOUND & VIBRATION  
MAINTENANCE CHECK  
QUALITY