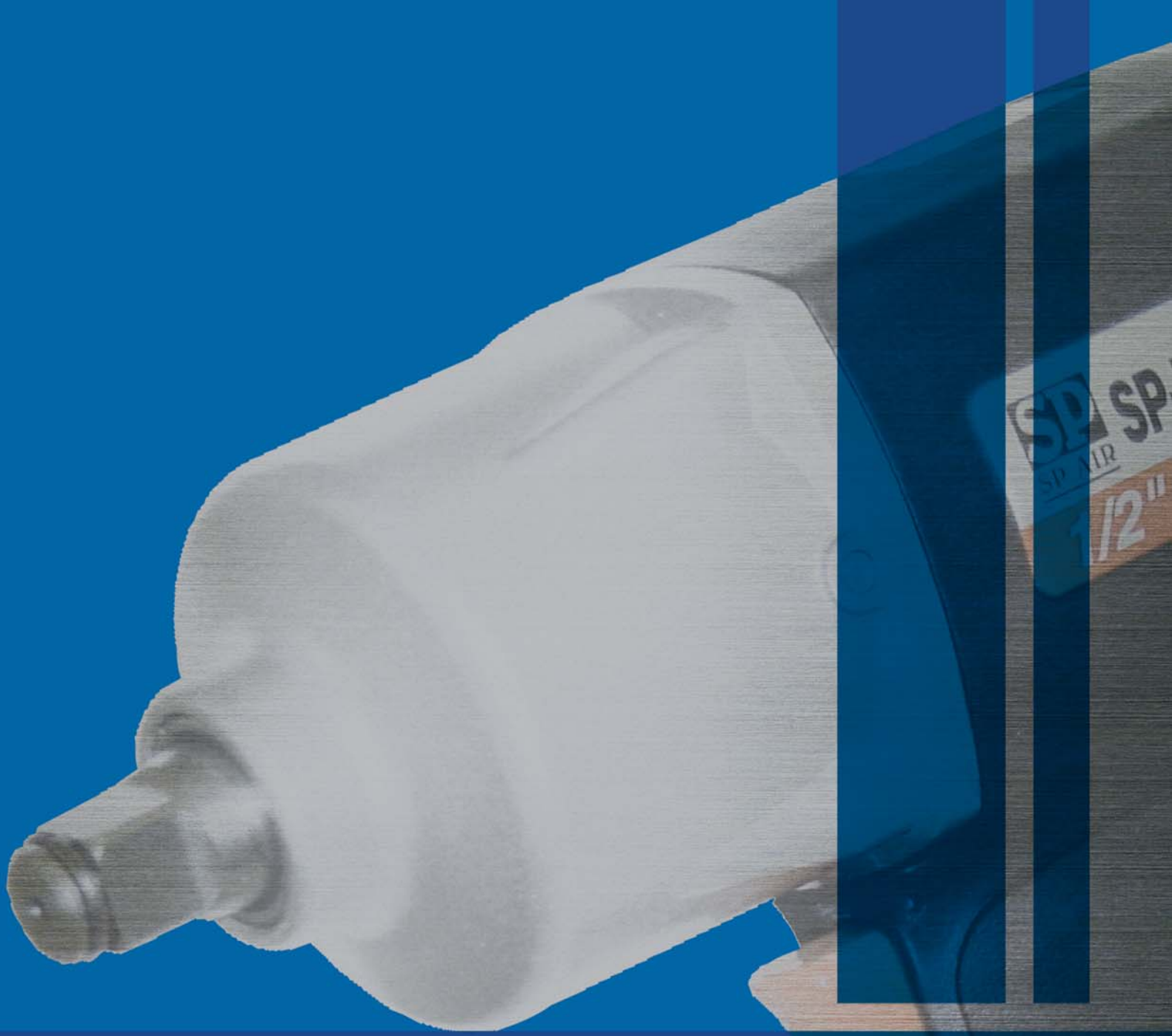

SP AIR CORPORATION

PNEUMATIC TOOLS FOR PROFESSIONAL

2014~2015 CATALOG MADE IN JAPAN

SP AIR®

Quality proven in a worldwide market.

⚠WARNING

This must be read and understood by operating personal and safety manager.
Protection to operating personal, as well as adjacent areas, shall be maintained and inspected tools in accordance with any applicable safety codes and regulations at all the times.
Stop using tools when tool produces unusual sound, repair immediately.

CERTIFICATION EUROPE™

This is to certify that the

Quality Management System

Of

S P AIR CORPORATION
Tokyo Office

At

6-36-9 Akabanenishi, Kita-ku, Tokyo-to 115-0055 Japan

Has been assessed by Certification Europe and deemed to comply with the requirements of

ISO 9001:2008

This certificate is valid for the activities specified below:

Design, development and manufacturing of pneumatic tool.

Certification of Registration remains the property of Certification Europe Ltd.
The validity of this Certificate is maintained on the condition that the Management System is assessed through an on-going surveillance programme and continues to adequately meet the requirements of the standard.
To verify this certificate validity please contact us at info@certificationeurope.com

Date of initial certification: 27th February 2009 — This certificate is valid until: 26th February 2015

Chief Executive: Michael Brophy — Chairman: Padraic A. White

Signature: — Signature:

Client Registration No.: 2013/1774
Certificate Reference No.: 8/1

Date of certificate issue: 3rd July 2013

ISO 9001 CERTIFICATION EUROPE — IAF

Certification Europe Ltd
Block 20A Beckett Way, Park West Business Park,
Dublin 12, Ireland
info@certificationeurope.com

ISO9001

ISO 9001 CERTIFICATION EUROPE™

ISO 9001:2008
2013 / 1774

A complete range of high quality automotive, industrial and general service pneumatic tools manufactured in Japan for professionals.

Specifications subject to change without notice.
Performance figures are at 90 psi pressure with 3/8"ID 2m long air hose.

IMPACT WRENCH:
Torque figures developed on Skidmore-Wilhelm torque-tension tester at 90psi air pressure.
Working torque figures are after 5 seconds of impacting.
Maximum torque figures are after 15 seconds impacting.

SP AIR tools satisfy the requirements of EC Machine Directive (2006/42/EC).

- *Measurements according to ISO-2787.*
- *Noise levels according to ISO-15744.*
- *Vibration levels according to ISO-8662.*

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LIMITED WARRANTY

We guarantee all of our products against defective workmanship and faulty materials for 6 months from the date of purchase.
We undertake, in accordance with our own option, to replace or repair free of charge each product or part thereof on condition that the machine or parts in question is:
returned to us or one of our authorized distributors, freight pre-paid.
found, on examination, to be suffering from a material or constructional defect.
This warranty does not cover damage to any unit caused by accident, misuse, claims arising from loss, fire or other calamities caused by nature, or in any way being tampered with.
The warranty does not cover damage resulting from:
1) Installation to wrong air pressure.
2) Any alteration or modification to the to tool and or its serial number.
3) Any unauthorized repair carried out.
4) Any damage caused by the life.

Authorized Distributor : SP AIR CORPORATION *Tokyo, Japan*

SP-7144 1/2" COMPOSITE IMPACT WRENCH

TWIN DOG CLUTCH

The 800ft-lbs. output by an efficient motor

Air Regulator

4 torque setting and full power reverse.

Air Exhaust with Muffler

LED Light *(OPTION)*

LED Light turns on, when the Red Button is pushed to the front.

SAS (Side And Side) System

Forward / Reverse for one hand operation.

Model Size

SPECIFICATIONS

SQ.DRIVE	:	1/2"
BOLT CAPACITY	:	5/8"
MAX TORQUE	:	(F) 750 ft-lbs. (R) 800 ft-lbs.
FREE SPEED	:	(F) 5,700 rpm (R) 6,500 rpm
OVERALL LENGTH	:	6-1/16"
WEIGHT	:	4 lbs.
VIBRATION LEVEL	:	5.5 m/s²
SOUND LEVEL	:	93.1 dB
AIR INLET	:	1/4"NPT

SP-7145 1/2" COMPOSITE IMPACT WRENCH

PIN TYPE CLUTCH

The 800ft-lbs. output by an efficent motor

Air Regulator

4 torque setting and full power reverse.

Air Exhaust with Muffler

SAS (Side And Side) System

Forward / Reverse for one hand operation.

Model Size

SPECIFICATIONS

SQ.DRIVE	:	1/2"
BOLT CAPACITY	:	5/8"
MAX TORQUE	:	(F) 750 ft-lbs. (R) 800 ft-lbs.
FREE SPEED	:	(F) 5,700 rpm (R) 6,200 rpm
OVERALL LENGTH	:	6-1/2"
WEIGHT	:	4.2 lbs.
VIBRATION LEVEL	:	6.0 m/s^2
SOUND LEVEL	:	91.5 dB
AIR INLET	:	1/4"NPT

3/8"SQ.DR. IMPACT WRENCH & IMPACT DRIVER

SP-1850 (3/8")

3/8"SQ.DR.IMPACT WRENCH

SP-1850H (1/4"HEX.)

1/4"HEX.IMPACT DRIVER

Baby Butterfly

PAT.P

Butterfly throttle for single-handed control of speed and forward or reverse

Double Hammer Clutch

Sq.Drive	: 3/8"
Bolt Capacity	: 3/8"
Max. Torque Range	: 72 ft-lbs.
Free Speed	: 10,000 rpm
Overall Length	: 5-3/8"
Net Weight	: 1 lbs.
Vibration Level	: 6.2 m/s²
Sound Level	: 87.4 dB

SP-7825 (3/8")

Lightweight Composite Body

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Double Hammer Clutch

Air Regulator

Sq.Drive	: 3/8"
Bolt Capacity	: 3/8"
Max. Torque Range	: 94 ft-lbs.
Free Speed	: 17,000 rpm
Overall Length	: 4-5/16"
Net Weight	: 1.5 lbs.
Vibration Level	: 4 m/s²
Sound Level	: 84.2 dB

One Hand Reverse Button

1/2"SQ.DR. IMPACT WRENCHES

SP-1140EX (1/2")

Twin Dog Clutch

Sq.Drive	: 1/2"
Bolt Capacity	: 5/8"
Max. Torque Range	: 800 ft-lbs.
Free Speed	: 6,000 rpm
Overall Length	: 7-1/4"
Net Weight	: 5.7 lbs.
Vibration Level	: 3.4 m/s²
Sound Level	: 88.8 dB

SP-1148TR-X (1/2")

Pin Type Clutch

Sq.Drive	: 1/2"
Bolt Capacity	: 5/8"
Max. Torque Range	: 650 ft-lbs.
Free Speed	: 6,300 rpm
Overall Length	: 7-3/4"
Net Weight	: 6 lbs.
Vibration Level	: 3.16 m/s²
Sound Level	: 91 dB

SP-7146 (1/2") mini

NEW

5-1/4" Short!

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Twin Dog Clutch

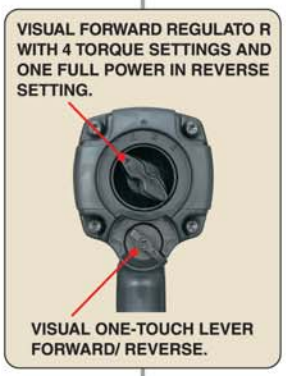
One Hand Reverse Button

Sq.Drive	: 1/2"
Bolt Capacity	: 5/8"
Max. Torque Range	: 440 ft-lbs.
Free Speed	: 10,000 rpm
Overall Length	: 5-1/4"
Net Weight	: 2.1 lbs.
Vibration Level	: 5.5 m/s²
Sound Level	: 93.1 dB

1/2"SQ.DR. IMPACT WRENCHES

SP-7140 (1/2")

US PAT.No.
D 434,958 / D 436,818



Twin Dog Clutch

Sq. Drive	: 1/2"
Bolt Capacity	: 5/8"
Max. Torque	: 750 ft-lbs.
Free Speed	: 6,000 rpm
Overall Length	: 7-5/16"
Net Weight	: 4.6 lbs.
Vibration Level	: 3.2 m/s²
Sound Level	: 86 dB

SP-7141 (1/2")

US PAT.No.
D 434,958 / D 436,818

Sq. Drive	: 1/2"
Bolt Capacity	: 5/8"
Max. Torque	: 750 ft-lbs.
Free Speed	: 6,000 rpm
Overall Length	: 7-3/4"
Net Weight	: 4.9 lbs.
Vibration Level	: 3 m/s²
Sound Level	: 85.4 dB

Pin Type Clutch

3/8" & 1/2"SQ.DR. IMPACT WRENCHES

SP-7143DX (1/2")

US PAT.No.
D 434,958 / D 436,818

mini Lightweight 3lbs.

Dyna Jaw Clutch

PAT.No. 5,199,505

Sq. Drive	: 1/2"
Bolt Capacity	: 5/8"
Max. Torque	: 425 ft-lbs.
Free Speed	: 7,500 rpm
Overall Length	: 6-3/4"
Net Weight	: 3 lbs.
Vibration Level	: 3.3 m/s²
Sound Level	: 86dB

SP-7142DX (1/2")
SP-7142DXS (3/8")

US PAT.No.
D 434,958 / D 436,818

mini Lightweight 3lbs.

Sq. Drive	: 3/8"
Bolt Capacity	: 1/2"
Max. Torque	: 425 ft-lbs.
Free Speed	: 7,500 rpm
Overall Length	: 6-3/4"
Net Weight	: 3 lbs.
Vibration Level	: 4.7 m/s²
Sound Level	: 86 dB

Twin Dog Clutch

3/4"SQ.DR. IMPACT WRENCHES

SP-7150 (3/4")

Sq. Drive : 3/4"
Bolt Capacity : 1"
Max. Torque Range : 1,100 ft-lbs.
Free Speed : 4,300 rpm
Overall Length : 9-5/16"
Net Weight : 7.9 lbs.
Vibration Level : 9.0 m/s²
Sound Level : 94.9 dB

SP-7151 (3/4")

Sq. Drive : 3/4"
Bolt Capacity : 1"
Max. Torque Range : 1,100 ft-lbs.
Free Speed : 4,300 rpm
Overall Length : 10-9/16"
Net Weight : 9.4 lbs.
Vibration Level : 5.5 m/s²
Sound Level : 94.6 dB

Twin Dog Clutch

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

4 TORQUE SETTING AND FULL POWER REVERSE.

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Pin Type Clutch

SP-1158 (3/4")

Single Dog Clutch

Sq.Drive : 3/4"
Bolt Capacity : 1"
Max. Torque Range : 1,200 ft-lbs.
Free Speed : 5,500 rpm
Overall Length : 8-5/8"
Net Weight : 12 lbs.
Vibration Level : 5.62 m/s²
Sound Level : 93.5 dB

SP-1158L (3/4")

Single Dog Clutch

Sq.Drive : 3/4"
Bolt Capacity : 1"
Max. Torque Range : 1,150 ft-lbs.
Free Speed : 5,500 rpm
Overall Length : 14-3/4"
Net Weight : 14.3 lbs.
Vibration Level : 10 m/s²
Sound Level : 90 dB

SP-1158EX (3/4")

Twin Dog Clutch

Sq.Drive : 3/4"
Bolt Capacity : 1"
Max. Torque Range : 1,200 ft-lbs.
Free Speed : 5,500 rpm
Overall Length : 8-5/8"
Net Weight : 12 lbs.
Vibration Level : 15 m/s²
Sound Level : 92.8 dB

SP-1158EXL (3/4")

Twin Dog Clutch

Sq.Drive : 3/4"
Bolt Capacity : 1"
Max. Torque Range : 1,150 ft-lbs.
Free Speed : 5,500 rpm
Overall Length : 14-3/4"
Net Weight : 14.3 lbs.
Vibration Level : 15.1 m/s²
Sound Level : 92.8 dB

1"SQ.DR. IMPACT WRENCHES

SP-7191S (1")

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Pin Type Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,200 ft-lbs.
Free Speed	: 4,300 rpm
Overall Length	: 10-1/2"
Net Weight	: 9.3 lbs.
Vibration Level	: 5.5 m/s²
Sound Level	: 94.6 dB

4 TORQUE SETTING AND FULL POWER REVERSE.

SP-7191 (1")

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Pin Type Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,200 ft-lbs.
Free Speed	: 4,300 rpm
Overall Length	: 12-1/2"
Net Weight	: 10.3 lbs.
Vibration Level	: 5.5 m/s²
Sound Level	: 90.4 dB

SP-1191DH (1")

Single Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,200 ft-lbs.
Free Speed	: 5,500 rpm
Overall Length	: 8-5/8"
Net Weight	: 13.7 lbs.
Vibration Level	: 5.62 m/s²
Sound Level	: 92.5 dB

SP-1191LDH (1")

Single Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,150 ft-lbs.
Free Speed	: 5,500 rpm
Overall Length	: 14-3/4"
Net Weight	: 14.3 lbs.
Vibration Level	: 5.62 m/s²
Sound Level	: 92.5 dB

SP-1191EXDH (1")

Twin Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,200 ft-lbs.
Free Speed	: 5,500 rpm
Overall Length	: 8-5/8"
Net Weight	: 13.7 lbs.
Vibration Level	: 5.62 m/s²
Sound Level	: 92.5 dB

SP-1191EXLDH (1")

Twin Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,150 ft-lbs.
Free Speed	: 5,500 rpm
Overall Length	: 14-3/4"
Net Weight	: 14.3 lbs.
Vibration Level	: 5.62 m/s²
Sound Level	: 92.5 dB

1"SQ.DR. IMPACT WRENCHES

SP-1190PA-2 (1")

Single Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 9-7/8"
Net Weight	: 18.9 lbs.
Vibration Level	: 6.3 m/s²
Sound Level	: 92 dB

SP-1190PA-6 (1")

Single Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 15-3/4"
Net Weight	: 21.2 lbs.
Vibration Level	: 7.3 m/s²
Sound Level	: 92 dB

SP-1190EXPA-2 (1")

Twin Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 9-7/8"
Net Weight	: 18.9 lbs.
Vibration Level	: 6.3 m/s²
Sound Level	: 92 dB

SP-1190EXPA-6 (1")

Twin Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 15-3/4"
Net Weight	: 21.2 lbs.
Vibration Level	: 7.3 m/s²
Sound Level	: 92 dB

SP-1190A-2 (1")

Single Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 13"
Net Weight	: 19.2 lbs.
Vibration Level	: 9.1 m/s²
Sound Level	: 93 dB

SP-1190A-6 (1")
SP-1190A-8 (1")

Single Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 18-7/8"
Net Weight	: 21.6 lbs.
Vibration Level	: 5.8 m/s²
Sound Level	: 93 dB

SP-1190EXA-2 (1")

Twin Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 13"
Net Weight	: 19.2 lbs.
Vibration Level	: 9.1 m/s²
Sound Level	: 93 dB

SP-1190EXA-6 (1")
SP-1190EXA-8 (1")

Twin Dog Clutch

Sq.Drive	: 1"
Bolt Capacity	: 1-1/4"
Max. Torque Range	: 1,500 ft-lbs.
Free Speed	: 4,000 rpm
Overall Length	: 18-7/8"
Net Weight	: 21.6 lbs.
Vibration Level	: 5.8 m/s²
Sound Level	: 93 dB

1"SQ.DR. IMPACT WRENCHES

SP-1192EX-2 (1")

Sq.Drive	: 1"
Bolt Capacity	: 1-1/2"
Max. Torque Range	: 1,650 ft-lbs.
Free Speed	: 4,100 rpm
Overall Length	: 14-3/16"
Net Weight	: 14.1 lbs.
Vibration Level	: 6.3 m/s²
Sound Level	: 96.5 dB

SP-1192EX-6 (1")
SP-1192EX-8 (1")

Sq.Drive	: 1"
Bolt Capacity	: 1-1/2"
Max. Torque Range	: 1,650 ft-lbs.
Free Speed	: 4,100 rpm
Overall Length	: 20-1/8"
Net Weight	: 15.7 lbs.
Vibration Level	: 6.8 m/s²
Sound Level	: 96.5 dB

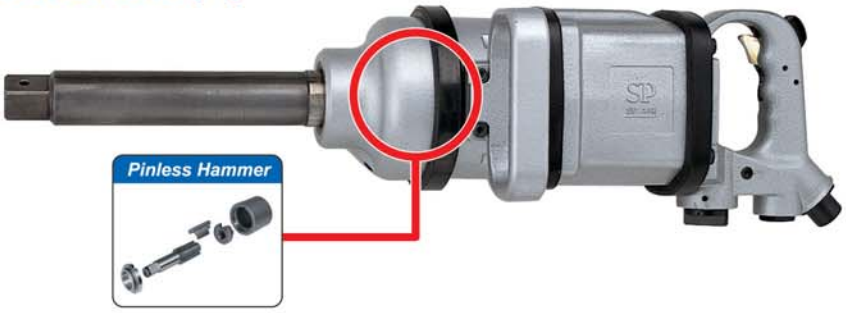
SP-1186GE-2 (1")

Sq.Drive	: 1"
Bolt Capacity	: 1-1/2"
Max. Torque Range	: 2,200 ft-lbs.
Free Speed	: 3,200 rpm
Overall Length	: 15-3/4"
Net Weight	: 32.4 lbs.
Vibration Level	: 12.5 m/s²
Sound Level	: 95 dB

SP-1186GE-8 (1")

Sq.Drive	: 1"
Bolt Capacity	: 1-1/2"
Max. Torque Range	: 2,100 ft-lbs.
Free Speed	: 3,200 rpm
Overall Length	: 23-5/8"
Net Weight	: 36.2 lbs.
Vibration Level	: 14 m/s²
Sound Level	: 95 dB

SP-5000GE (1")



Sq.Drive	: 1"
Bolt Capacity	: 2"
Max. Torque Range	: 2,500 ft-lbs.
Free Speed	: 3,000 rpm
Overall Length	: 25"
Net Weight	: 39.5 lbs.
Vibration Level	: 5 m/s²
Sound Level	: 96 dB

1-1/2"SQ.DR. IMPACT WRENCH

SP-6500 (1-1/2")

NEW

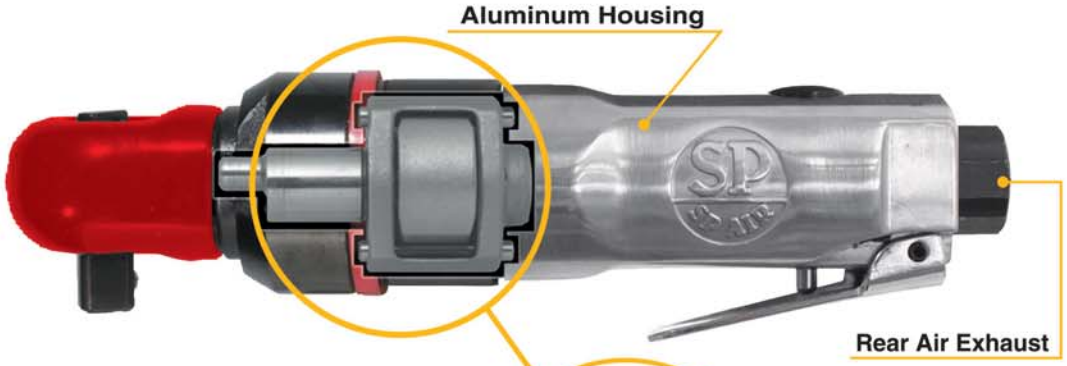
Sq.Drive	: 1-1/2"
Bolt Capacity	: 2-3/16"
Max. Torque Range	: 3,000 ft-lbs.
Free Speed	: 3,600 rpm
Overall Length	: 21-3/4"
Net Weight	: 39.9 lbs.
Vibration Level	: 9.3 m/s²
Sound Level	: 107 dB

Reaction Free Ratchet Wrench

SP-1764 (1/4")
SP-1765 (3/8")

PATENTED mini

U.S.Patent No.8,261,849



SP-1764

Drive Size	: 1/4"
Bolt Capacity	: 5/16"
Maximum Torque	: 50 ft-lbs.
Free Speed	: 500 rpm
Overall Length	: 6-7/8"
Net Weight	: 1.4 lbs.
Vibration Level	: 2.4 m/s^2
Sound Level	: 83.6 dB

SP-1765

Drive Size	: 3/8"
Bolt Capacity	: 3/8"
Maximum Torque	: 55 ft-lbs.
Free Speed	: 500 rpm
Overall Length	: 6-7/8"
Net Weight	: 1.4 lbs.
Vibration Level	: 2.9 m/s^2
Sound Level	: 84.4 dB

Reaction Free Mechanism

SP-7720A (1/4")
SP-7722A (3/8")

PATENTED mini

U.S.Patent No.8,261,849

SP-7720A

Drive Size	: 1/4"
Bolt Capacity	: 5/16"
Maximum Torque	: 50 ft-lbs.
Free Speed	: 500 rpm
Overall Length	: 6-1/8"
Net Weight	: 1.3 lbs.
Vibration Level	: 2.4 m/s^2
Sound Level	: 83.6 dB

SP-7722A

Drive Size	: 3/8"
Bolt Capacity	: 3/8"
Maximum Torque	: 55 ft-lbs.
Free Speed	: 500 rpm
Overall Length	: 6-1/8"
Net Weight	: 1.3 lbs.
Vibration Level	: 2.4 m/s^2
Sound Level	: 83.6 dB

IMPACT RATCHET EXHIBITS FULL PERFORMANCE EVEN IN ANY RESTRICTED AREA.

①

To tighten manually in a restricted area is difficult.

②

It is frustrating trying to work in a restricted area without hurting your hand.

③

The shock from a normal air ratchet can painful.

④

This tool is as Powerful as a small Impact Wrench.

REACTION FREE RATCHET WRENCH

SP-7730 (3/8")

RATCHEPACT U.S.Patent No.8,261,849

NEW

Single Dog Clutch

Sq.Drive	: 3/8"
Bolt Capacity	: 3/8"
Max. Torque Range	: 100 ft-lbs.
Free Speed	: 450 rpm
Overall Length	: 11-5/8"
Net Weight	: 3.1 lbs.
Vibration Level	: 5.8 m/s²
Sound Level	: 88.2 dB

SP-7731 (1/2")

RATCHEPACT U.S.Patent No.8,261,849

NEW

Single Dog Clutch

Sq.Drive	: 1/2"
Bolt Capacity	: 1/2"
Max. Torque Range	: 110 ft-lbs.
Free Speed	: 450 rpm
Overall Length	: 11-5/8"
Net Weight	: 3.1 lbs.
Vibration Level	: 5.8 m/s²
Sound Level	: 88.2 dB

Reaction Free Mecanism

SP-1175B (3/8")

RATCHEPACT U.S.Patent No.4,821,611

Pin Type Clutch

Sq.Drive	: 3/8"
Bolt Capacity	: 1/2"
Max. Torque Range	: 90 ft-lbs.
Free Speed	: 280 rpm
Overall Length	: 11-1/2"
Net Weight	: 3.1 lbs.
Vibration Level	: 4.5 m/s²
Sound Level	: 90 dB

SP-1176B (1/2")

RATCHEPACT U.S.Patent No.4,821,611

Pin Type Clutch

Sq.Drive	: 1/2"
Bolt Capacity	: 1/2"
Max. Torque Range	: 95 ft-lbs.
Free Speed	: 280 rpm
Overall Length	: 11-1/2"
Net Weight	: 3.1 lbs.
Vibration Level	: 4.5 m/s²
Sound Level	: 91 dB

1/4"&3/8"&1/2"SQ.DR. RATCHET WRENCHES

PATENT PENDING

ROTATIONAL HEAD

To adjust head push ring forward and turn.

SP-7740RH (1/4")

super mini

Sq. Drive	: 1/4"
Bolt Capacity	: 5/16"
Max. Torque Range	: 25 ft-lbs.
Free Speed	: 310 rpm
Overall Length	: 5"
Net Weight	: 1.1 lbs.
Vibration Level	: 3.5 m/s²
Sound Level	: 78.5 dB

SP-7742RH (3/8")

super mini

Sq. Drive	: 3/8"
Bolt Capacity	: 5/16"
Max. Torque Range	: 25 ft-lbs.
Free Speed	: 310 rpm
Overall Length	: 5"
Net Weight	: 1.1 lbs.
Vibration Level	: 3.5 m/s²
Sound Level	: 78.5 dB

SP-7770 (1/4")

mini

Sq. Drive	: 1/4"
Bolt Capacity	: 5/16"
Max. Torque Range	: 25 ft-lbs.
Free Speed	: 220 rpm
Overall Length	: 7-7/8"
Net Weight	: 1.3 lbs.
Vibration Level	: 3.5 m/s²
Sound Level	: 82 dB

SP-7772 (3/8")

mini

Sq. Drive	: 3/8"
Bolt Capacity	: 3/8"
Max. Torque Range	: 25 ft-lbs.
Free Speed	: 220 rpm
Overall Length	: 7-7/8"
Net Weight	: 1.3 lbs.
Vibration Level	: 3.5 m/s²
Sound Level	: 82 dB

SP-7130RH (3/8")

Sq. Drive	: 3/8"
Bolt Capacity	: 3/8"
Max. Torque Range	: 90 ft-lbs.
Free Speed	: 180 rpm
Overall Length	: 10-5/8"
Net Weight	: 2.9 lbs.
Vibration Level	: 3.3 m/s²
Sound Level	: 84 dB

SP-7131RH (1/2")

Sq. Drive	: 1/2"
Bolt Capacity	: 3/8"
Max. Torque Range	: 90 ft-lbs.
Free Speed	: 180 rpm
Overall Length	: 10-5/8"
Net Weight	: 2.9 lbs.
Vibration Level	: 3.3 m/s²
Sound Level	: 84 dB

1/4"&3/8"&1/2"SQ.DR. RATCHET WRENCHES

SP-1760A (1/4")

mini

Sq.Drive : 1/4"
Bolt Capacity : 5/16"
Max. Torque Range : 25 ft-lbs.
Free Speed : 310 rpm
Overall Length : 6-5/8"
Net Weight : 1.1 lbs.
Vibration Level : 3.5 m/s²
Sound Level : 84 dB

SP-1762 (3/8")

mini

Sq.Drive : 3/8"
Bolt Capacity : 3/8"
Max. Torque Range : 25 ft-lbs.
Free Speed : 310 rpm
Overall Length : 6-5/8"
Net Weight : 1.1 lbs.
Vibration Level : 3.5 m/s²
Sound Level : 83 dB

SP-7760 (1/4")

mini

US PAT.No.
D 408,243
6,158,528

Sq. Drive : 1/4"
Bolt Capacity : 5/16"
Max. Torque Range : 25 ft-lbs.
Free Speed : 220 rpm
Overall Length : 7-7/8"
Net Weight : 1.3 lbs.
Vibration Level : 3.5 m/s²
Sound Level : 82 dB

SP-7762 (3/8")

mini

US PAT.No.
D 408,243
6,158,528

Sq. Drive : 3/8"
Bolt Capacity : 3/8"
Max. Torque Range : 25 ft-lbs.
Free Speed : 220 rpm
Overall Length : 7-7/8"
Net Weight : 1.3 lbs.
Vibration Level : 3.5 m/s²
Sound Level : 82 dB

SP-1133 (3/8")

Sq.Drive : 3/8"
Bolt Capacity : 3/8"
Max. Torque Range : 50 ft-lbs.
Free Speed : 160 rpm
Overall Length : 10"
Net Weight : 2.6 lbs.
Vibration Level : 3.5 m/s²
Sound Level : 91 dB

SP-1133-2 (1/2")

Sq.Drive : 1/2"
Bolt Capacity : 3/8"
Max. Torque Range : 55 ft-lbs.
Free Speed : 160 rpm
Overall Length : 10"
Net Weight : 2.6 lbs.
Vibration Level : 3.5 m/s²
Sound Level : 91 dB

SP-7130 (3/8")

Sq. Drive : 3/8"
Bolt Capacity : 3/8"
Max. Torque Range : 90 ft-lbs.
Free Speed : 180 rpm
Overall Length : 10-5/8"
Net Weight : 2.9 lbs.
Vibration Level : 3.3 m/s²
Sound Level : 84 dB

SP-7131 (1/2")

Sq. Drive : 1/2"
Bolt Capacity : 3/8"
Max. Torque Range : 90 ft-lbs.
Free Speed : 180 rpm
Overall Length : 10-5/8"
Net Weight : 2.9 lbs.
Vibration Level : 3.3 m/s²
Sound Level : 84 dB

DIE GRINDERS

SP-7240H
super mini

Mini Body Size

Collet Size	: 1/4"
Free Speed	: 20,000 rpm
Overall Length	: 4-3/8"
Net Weight	: 0.7 lbs.
Vibration Level	: 3.9 m/s²
Sound Pressure Level	: 81.8 dB

SP-7241H
super mini

Only 66mm Short Body

Collet Size	: 1/4"
Free Speed	: 16,000 rpm
Overall Length	: 4-5/8"
Net Weight	: 1 lbs.
Vibration Level	: 1.6 m/s²
Sound Pressure Level	: 83.3 dB

SP-7211

Collet Size	: 1/4"
Free Speed	: 18,000 rpm
Overall Length	: 6-7/8"
Net Weight	: 1.75 lbs.
Vibration Level	: 1.5 m/s²
Sound Level	: 87.8 dB

SP-7220

Collet Size	: 1/4"
Free Speed	: 20,000 rpm
Overall Length	: 6-7/8"
Net Weight	: 1.37 lbs.
Vibration Level	: 7.3 m/s²
Sound Level	: 90.1 dB

SP-7230 *Cut-Off Tool*

Disc Size	: 3"
Free Speed	: 20,000 rpm
Overall Length	: 6-3/4"
Net Weight	: 1.5 lbs.
Vibration Level	: 1.9 m/s²
Sound Level	: 90 dB

DIE GRINDERS

SP-7200
mini

US PAT. No.
D 408,243
6,158,528

Collet Size : 1/4"
Free Speed : 23,000 rpm
Overall Length : 6"
Net Weight : 0.9 lbs.
Vibration Level : 2 m/s²
Sound Level : 82 dB

SP-7201
mini

US PAT.No.
D 408,243
6,158,528

Collet Size : 1/4"
Free Speed : 20,000 rpm
Overall Length : 6-3/8"
Net Weight : 1.2 lbs.
Vibration Level : 2.8 m/s²
Sound Level : 82.4 dB

SP-7202
mini

US PAT.No.
D 361,028
D 408,243
6,158,528

Collet Size : 1/4"
Free Speed : 20,000 rpm
Overall Length : 7-5/8"
Net Weight : 1.2 lbs.
Vibration Level : 2.8 m/s²
Sound Level : 83 dB

SP-1220S (1/4")

Collet Size : 1/4"
Free Speed : 23,000 rpm
Overall Length : 6-1/2"
Net Weight : 1.2 lbs.
Vibration Level : 1.4 m/s²
Sound Level : 87 dB

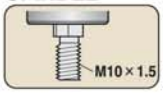
SP-1523S (1/4")

Collet Size : 1/4"
Free Speed : 3,800 rpm
Overall Length : 7-1/2"
Net Weight : 1.6 lbs.
Vibration Level : 0.35 m/s²
Sound Level : 87 dB

DISC GRINDERS

SP-1254

SPINDLE



Disc Cap : 4"
Free Speed : 12,000 rpm
Overall Length : 9"
Net Weight : 3.7 lbs.
Vibration Level : 1.2 m/s²
Sound Level : 89 dB

SP-1257

SPINDLE

Disc Cap : 5"
Free Speed : 12,000 rpm
Overall Length : 9"
Net Weight : 3.7 lbs.
Vibration Level : 1.5 m/s²
Sound Level : 86 dB

SP-1261L14

SPINDLE

Disc Cap : 7"
Free Speed : 7,500 rpm
Overall Length : 12-5/8"
Net Weight : 7.7 lbs.
Vibration Level : 1.2 m/s²
Sound Level : 86 dB

SP-7520KL 3/8" COMPOSITE AIR DRILL

DOUBLE GEAR MECHANISM

500 rpm

●Reversible Type

3/8" Key Less Chuck

Light weight composite body

SAS (Side And Side) System
Forward / Reverse for one hand operation.

Air Exhaust with Muffler

Model Size

SPECIFICATIONS

CHUCK SIZE	:	3/8"
FREE SPEED	:	500 rpm
OVERALL LENGTH	:	6-1/8"
WEIGHT	:	2.3 lbs.
VIBRATION LEVEL	:	0.17 m/s^2
SOUND LEVEL	:	88.0 dB
AIR INLET	:	1/4"NPT

3/8"&1/2" KEYLESS DRILLS

SP-7525KL (3/8")

SAS Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Lightweight Composite Body

Chuck Size	: 3/8"
Free Speed	: 2,000 rpm
Overall Length	: 6-1/8"
Net Weight	: 2.1 lbs.
Vibration Level	: 0.26 m/s²
Sound Level	: 87 dB

• Reversible Type

SP-7527KL (1/2")

SAS Side And Side system
Easy Access Forward / Reverse button for one hand operation.

Lightweight Composite Body

Chuck Size	: 1/2"
Free Speed	: 400 rpm
Overall Length	: 7"
Net Weight	: 2.9 lbs.
Vibration Level	: 0.14 m/s²
Sound Level	: 86.8 dB

• Reversible Type

SP-1523KL (3/8")

Chuck Size	: 3/8"
Free Speed	: 3,800 rpm
Overall Length	: 7-1/2"
Net Weight	: 1.6 lbs.
Vibration Level	: 0.35 m/s²
Sound Level	: 83 dB

• Oneway Type

SP-1522KL (3/8")

• W/ SILENCER

Chuck Size	: 3/8"
Free Speed	: 2,500 rpm
Overall Length	: 6-3/4"
Net Weight	: 2.1 lbs.
Vibration Level	: 0.4 m/s²
Sound Level	: 84 dB

• Oneway Type

SP-1510AH-KL (3/8")

Chuck Size	: 3/8"
Free Speed	: 1,800 rpm
Overall Length	: 8-1/4"
Net Weight	: 2.2 lbs.
Vibration Level	: 2.2 m/s²
Sound Level	: 87 dB

• Reversible Type

SP-1525KL (3/8")

Chuck Size	: 3/8"
Free Speed	: 2,200 rpm
Overall Length	: 7-5/8"
Net Weight	: 2.7 lbs.
Vibration Level	: 0.35 m/s²
Sound Level	: 89 dB

• Reversible Type

SP-1527KL (1/2")

Chuck Size	: 1/2"
Free Speed	: 500 rpm
Overall Length	: 8-5/8"
Net Weight	: 3.6 lbs.
Vibration Level	: 0.3 m/s²
Sound Level	: 89 dB

• Reversible Type

SP-1533KL (1/2")

• W/ SILENCER

Chuck Size	: 1/2"
Free Speed	: 550 rpm
Overall Length	: 8-3/4"
Net Weight	: 3.5 lbs.
Vibration Level	: 0.4 m/s²
Sound Level	: 84 dB

• Oneway Type

AIR VERTICAL BEVELER

PSPC STANDARDS
(Performance Standard for Protective Coating)

SP-1251LABV

NEW

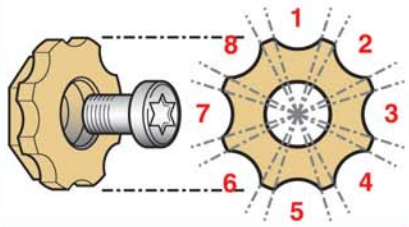
SPECIFICATIONS

Chamfering Capacity	: 3.5R
Max. Speed	: 7,500rpm
Height	: 5"
Net Weight	: 6 lbs.

3 Bladed Cutting Head

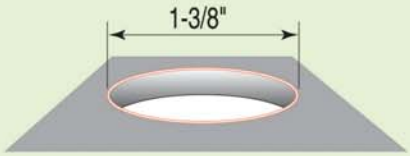
PATENTED

Patented 8 Edged Cutters

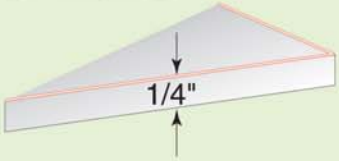


Machines chamfering capabilities

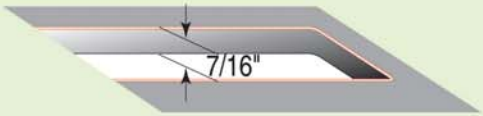
Cuts inside circles with a 1-3/8" diameter or more



Cuts materials with a minimum of 1/4" thickness



Will make blind cuts with a minimum of 7/16" depth



D/A SANDERS

SP-3606-A5 (6")

3/16" ORBIT DUAL ACTION

#3606A5-49

Pad Size	: 6"
Orbit Dia.	: 3/16"
Free Speed	: 10,000 rpm
Overall Length	: 8-1/2"
Net Weight	: 2.7 lbs.
Vibration Level	: 2.5 m/s²
Sound Level	: 90 dB

SP-3606DF-A5 (6")

● Dust Free Type

3/16" ORBIT DUAL ACTION

#3606A5-49

Pad Size	: 6"
Orbit Dia.	: 3/16"
Free Speed	: 10,000 rpm
Overall Length	: 9-1/2"
Net Weight	: 2.8 lbs.
Vibration Level	: 2.5 m/s²
Sound Level	: 85 dB

BELT SANDERS

SP-1370A (3/8"&1/2" x 13")

Belt Size 3/8" or 1/2"

Belt Size	: 3/8"×13"／1/2"×13"
Free Speed	: 16,000 rpm
Overall Length	: 11"
Net Weight	: 1.8 lbs.
Vibration Level	: 0.63 m/s²
Sound Level	: 82 dB

SP-1380 (3/4" x 20-1/2")

Belt Size 3/4"

Belt Size	: 3/4"×20-1/2"
Free Speed	: 17,000 rpm
Overall Length	: 14-3/8"
Net Weight	: 3.1 lbs.
Vibration Level	: 2.42 m/s²
Sound Level	: 85.5 dB

SANDERS & POLISERS

SP-7241GH (2")

Single Action

super mini

Mini Body Size

Only 2-5/8" Short Body

SINGLE ACTION

#7201G-41

Pad Size	: 2"
Free Speed	: 13,000rpm
Overall Length	: 4-5/8"
Net Weight	: 1 lbs.
Vibration Level	: 0.16 m/s²
Sound Level	: 78.3 dB

SP-7500AH-P (5")

LOW SPEED SINGLE ACTION

#7500AH-P-50

Pad Size	: 5"
Spindle Size	: 5/16-24 UNF
Free Speed	: 2,000 rpm
Overall Length	: 8"
Net Weight	: 2.6 lbs.
Vibration Level	: 0.34 m/s²
Sound Level	: 83.2 dB

OPTION

#7500AH-P-54

6" Urethane Sponge

#7500AH-P-55

6" Wool Buff

SP-7201G (2")

Single Action

mini

SINGLE ACTION

#7201G-41

Pad Size	: 2"
Spindle Size	: M6
Free Speed	: 14,000 rpm
Overall Length	: 6-1/4"
Net Weight	: 1.2 lbs.
Vibration Level	: 0.34 m/s²
Sound Level	: 83.2 dB

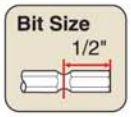
SP-1350 (4")

Paper Size	: 4"
Disc Size	: 3"
Free Speed	: 15,000 rpm
Overall Length	: 5"
Net Weight	: 2.1 lbs.
Vibration Level	: 4.5 m/s²
Sound Pressure Level	: 77.8 dB

SCREW DRIVERS

SP-1800A

● External Adjustment Type



Hex. Drive	: 1/4"
Bolt Capacity	: 1/4"
Overall Length	: 10"
Net Weight	: 2.8 lbs.
Vibration Level	: 0.8 m/s²
Sound Level	: 85 dB

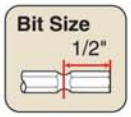
SP-1810A

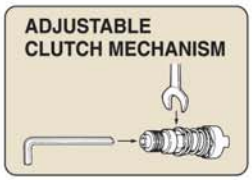
● External Adjustment Type

Hex. Drive	: 1/4"
Bolt Capacity	: 1/4"
Overall Length	: 8"
Net Weight	: 3 lbs.
Vibration Level	: 1 m/s²
Sound Level	: 90.5 dB

SP-1800

● Internal Adjustment Type





Hex. Drive	: 1/4"
Bolt Capacity	: 1/4"
Overall Length	: 10"
Net Weight	: 2.4 lbs.
Vibration Level	: 0.8 m/s²
Sound Level	: 81 dB

SP-1810

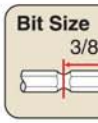
● Internal Adjustment Type

Hex. Drive	: 1/4"
Bolt Capacity	: 1/4"
Overall Length	: 8"
Net Weight	: 2.6 lbs.
Vibration Level	: 1 m/s²
Sound Level	: 88 dB

IMPACT DRIVERS

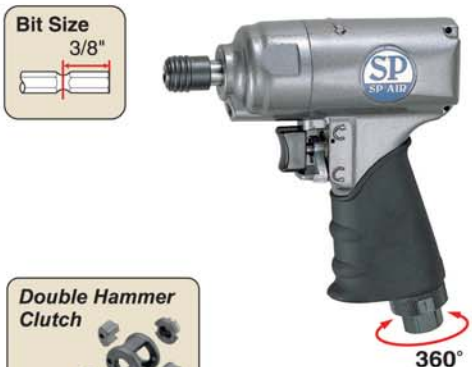
SP-7825HU

Lightweight Composite Body



Hex. Drive	: 1/4"
Max. Torque	: 94 ft-lbs.
Overall Length	: 4-1/2"
Net Weight	: 1.5 lbs.
Vibration Level	: 3.5 m/s²
Sound Level	: 85.5 dB

SP-8102BU



Hex. Drive	: 1/4"
Max. Torque	: 100 ft-lbs.
Overall Length	: 6"
Net Weight	: 2.6 lbs.
Vibration Level	: 3.9 m/s²
Sound Level	: 90 dB

SCREW DRIVERS

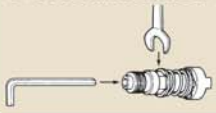
SP-7810

● Internal Adjustment Type

Hex. Drive : 1/4"
Bolt Capacity : 1/4"
Overall Length : 7-3/4"
Net Weight : 2 lbs.
Vibration Level : 1.9 m/s²
Sound Level : 83.6 dB

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

ADJUSTABLE CLUTCH MECHANISM



Bit Size

SP-7810A

● External Adjustment Type

Hex. Drive : 1/4"
Bolt Capacity : 1/4"
Overall Length : 7-3/4"
Net Weight : 2.6 lbs.
Vibration Level : 1.9 m/s²
Sound Level : 83.6 dB

SAS
Side And Side system
Easy Access Forward / Reverse button for one hand operation.

ADJUSTABLE KNOB

External adjustment knob provides for quick torque adjustment.

Bit Size

SAWS

SP-7600

mini

Cutting Capacity : 1/32"
Free Speed : 3,400 rpm
Stroke : 3/16"
Overall Length : 8-3/4"
Net Weight : 1 lbs.
Vibration Level : 3.6 m/s²
Sound Level : 80 dB

SP-1720

SP-7600

OPTION BLADES

#7600-03
32T-Steel

SP-1720

Cutting Capacity : 1/16"
Free Speed : 11,000 rpm
Overall Length : 1"
Net Weight : 1.1 lbs.
Vibration Level : 1.8 m/s²
Sound Level : 92 dB

OPTION BLADES

#720-70
32T-Steel

#720-71
24T-Steel

HAMMERS

SP-1410

SP-1410H

Hexagonal Type

Chisel Shank Size : 3/8"
Blows Per Min. : 3,800 bpm
Overall Length : 8-1/2"
Net Weight : 3.6 lbs.
Vibration Level : 8 m/s²
Sound Level : 96 dB

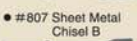
SP-1410K (BOX SET)

Chisel Set

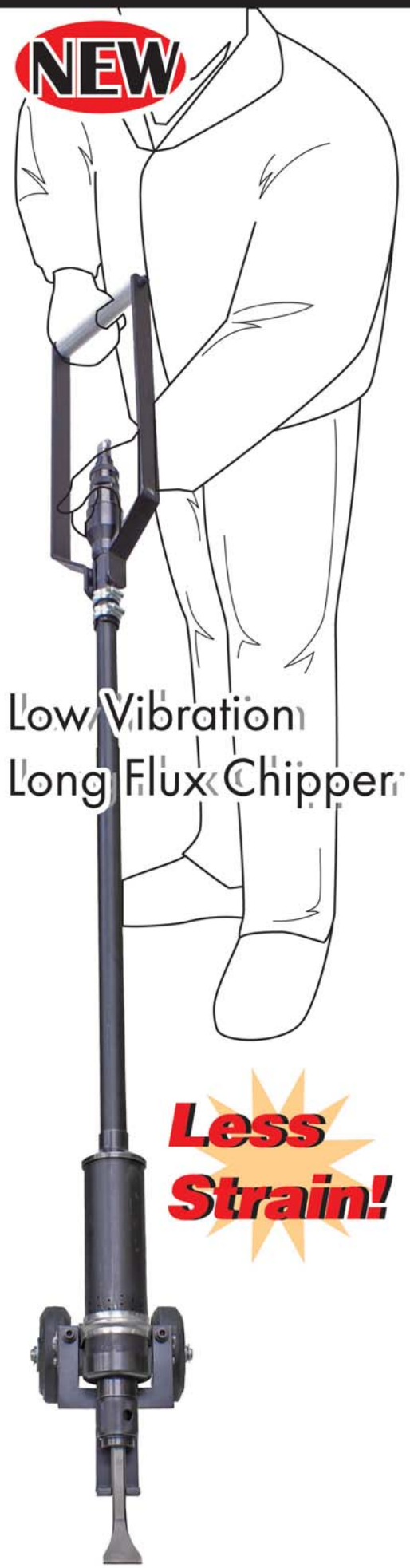
- #812 Tapered Punch Chisel

- #810 Flat Chisel

- #815 Spot Welder Chisel



- #807 Sheet Metal Chisel B



SP-1490L

LOW VIBRATION LONG FLUX CHIPPER

Vibration is 10 times lower than other current models.

New long design makes it easier to use with less strain on the users back and legs.

Tool is most suitable for tile stripping and rust removal.

Both lever and rotary grip types are available.

To see the SP-1490L in operation go to http://www.spair.co.jp/

■ □ ■ **SPECIFICATIONS** ■ □ ■

Outside Dia.	: 3-1/2"
Piston	: 1"
Piston Stroke	: 7/8"
Blows Per Min.	: 4,600bpm
Overall Length	: 63"
Weight	: 28.2 lbs.
Hose Size	: 3/8"
Air Inlet	: PT1/4"
Air Consumption	: 8.5 cfm
Air Pressure	58 PSI

SP-1460 NEEDLE SCALER

Model No.	Piston Dia.	Piston Stroke	Needles to be used	Blows / min.	Overall Length	Weight	Air Consumption	Air Inlet
SP-1460	3/4"	1/2"	OD 3 × 7" (12pcs.)	5,000 bpm	9"	2.8 lbs.	5.3 cfm	1/4"

SP-1470 NEEDLE SCALER

Model No.	Piston Dia.	Piston Stroke	Needles to be used	Blows / min.	Overall Length	Weight	Air Consumption	Air Inlet
SP-1470	1"	7/8"	OD 3 × 7" (19pcs.)	4,000 bpm	16"	5.7 lbs.	14.3 cfm	1/4"

SP-1460FC FLUX CHIPPER

Model No.	Piston Dia.	Piston Stroke	Blows / min.	Overall Length	Weight	Air Consumption	Air Inlet
SP-1460FC	3/4"	1/2"	5,000 bpm	7"	2 lbs.	5.3 cfm	1/4"

SP-1470FC FLUX CHIPPER

Model No.	Piston Dia.	Piston Stroke	Blows / min.	Overall Length	Weight	Air Consumption	Air Inlet
SP-1470FC	1"	7/8"	4,000 bpm	9"	3.7 lbs.	14.3 cfm	1/4"

1" SQ.DR. IMPACT WRENCHES

SP-1193GE-8 1" SQ.DR.

AIR REGULATOR
(STRAIGHT TYPE)

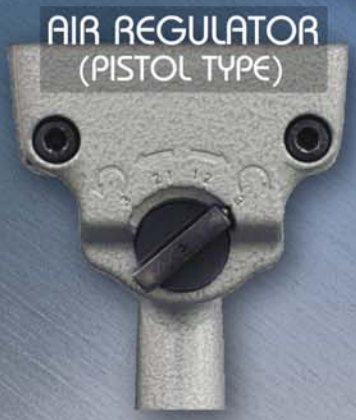
SP-1193GE-8

Sq.Drive	: 1"
Bolt Capacity	: 1-5/8"
Max. Torque	: 2,300 ft-lbs.
Free Speed	: 4,000 rpm
Ovarall Length	: 24"
Net Weight	: 28.7 lbs.

SP-1193GEP 1" SQ.DR.

SP-1193GEP-2
2" SHORT ANVIL

SP-1193GEP-6
6" LONG ANVIL

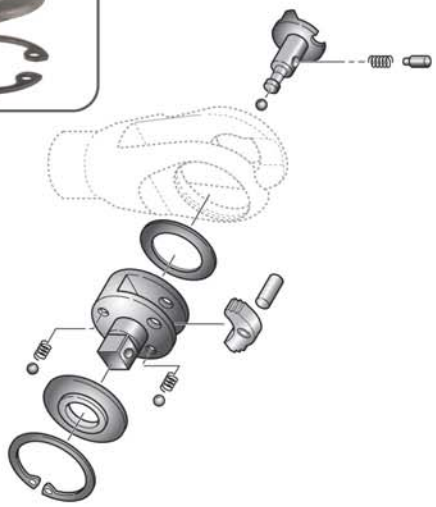


AIR REGULATOR
(PISTOL TYPE)

SP-1193GEP-2 (SHORT ANVIL)

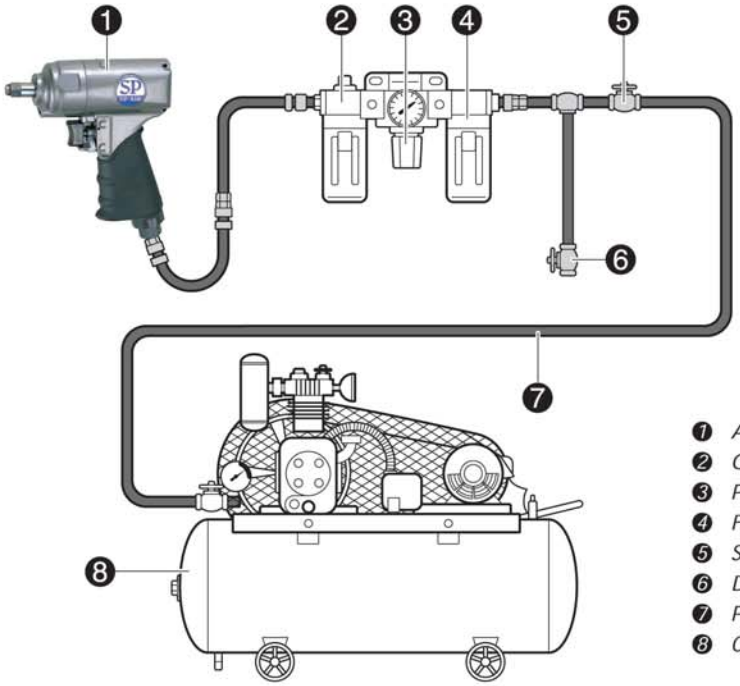
Sq.Drive	: 1"
Bolt Capacity	: 1-5/8"
Max. Torque	: 2,300 ft-lbs.
Free Speed	: 4,000 rpm
Ovarall Length	: 11"
Net Weight	: 23 lbs.

ANVIL KITS FOR RATCHET WRENCH



Tool No.	Anvil Kit No.
SP-7760(1/4")	AK-7760
SP-7770(1/4")	
SP-1760A(1/4")	AK-760
SP-7740RH(1/4")	
SP-7762(3/8")	AK-7762
SP-7772(3/8")	
SP-1762(3/8")	AK-762
SP-7742RH(3/8")	
SP-1133(1/2")	AK-131
SP-1134(1/2")	
SP-7131(1/2")	
SP-7131RH(1/2")	
SP-1133(3/8")	AK-130
SP-1134(3/8")	
SP-7130(3/8")	
SP-7130RH(3/8")	

AIR HOSE AND COUPLING ASSEMBLY



1. *Air Tool*
2. *Oiler*
3. *Presure regulator*
4. *Filter*
5. *Shut off valve*
6. *Drain daily*
7. *Pressure hose*
8. *Compressor*

AIR TOOL MAINTENANCE

- *SP AIR tools precision products built to perform in a wide variety application. Peak performance can be assured by following a few simple guidelines.*
- *Always use 0.63 MPa (6.3 bar/90 PSI) air pressure at the tool. Exceeding 0.63 MPa (6.3 bar/90 PSI) will result in premature wear an possible breakage.*
- *Lubricate your tool daily. An inline lubricator is recommend. Daily lubrication will prevent excessive wear or moving parts, rust and corrosion of bare metalsurfaces and assures peak performance of the tool. Tools requiring grease should be checked at regular intervals.*
- *Keep your air system clean and dry. Drain your system daily. Water increases the risk of rusted parts and premature wear.*
- *Always wear safety goggles!*
- *Operating your air tool without oil and with more than 0.63 MPa (6.3 bar/90 PSI) is like driving your car without oil past the red line.*

SP AIR®

http://www.spair.co.jp/

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