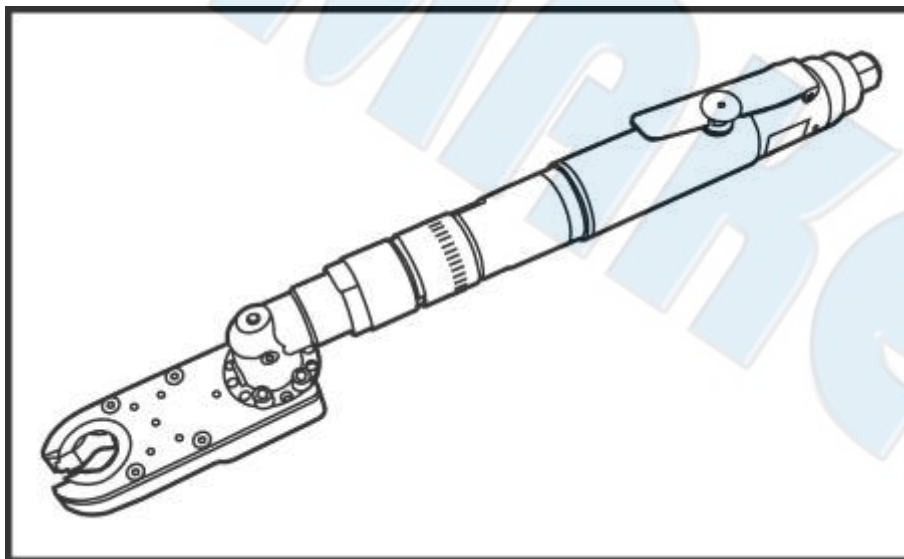




SUMAKE *PNEUMATIC TOOLS*



Air Shut Off Open-End Wrench POWB19-18-A

Specification:

Free Speed	150 r/min
Torque Range	10 ~ 16 N-m
Hex. Size of Gear Socket	18mm
Overall Length	17-1/4" (438 mm)
Air Consumption	7cfm (198 l/min)
Air Inlet (PT)	1/4" (6.35 mm)
Min. Air Hose	10 mm
Air Pressure	90 psi (6.3 bar)
Net Weight	4.05 lbs (1.84 kg)

Noise and Vibration:

Vibration EN ISO 28927-2	Noise EN ISO 15744	Remark
under load: < 2.5 m/s ² Uncertainty K= 1.5 m/s ²	Sound Pressure Level under load: 87 dB(A)	Please always wear ear protector at environment noise level > 80 dB(A) due to risk of impaired hearing!
	Sound power level under load: 98 dB(A)	
	Uncertainty K= 3dB	

SUMAKE INDUSTRIAL CO., LTD

4F,NO.351,Yanguang St.,Neihu District TAIPEI, TAIWAN, ZIP:114-91

POWB19-18-A-S-2304A-OPF



EC DECLARATION OF CONFORMITY

We: **SUMAKE INDUSTRIAL CO., LTD.**

4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan

declare in sole responsibility that the equipment

Equipment : **AIR SHUT OFF OPEN-END WRENCH**

Model/ Serial No. : **POWB19-18-A**

to which this declaration applies, complies with these normative documents:

- Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

- EN ISO 12100: 2010
- EN ISO 11148-6:2012

Name and Signature/Position



Mike Su – Managing Director

Date and Place

2023/4/20

Taipei, Taiwan

POWB19-18-A-D-2304A-OPF

OPERATION MANUAL



To adjust the torque:
Roll torque ring to adjust torque
(plus with anticlockwise /
reduce with clockwise.)



Press the lever for running.



Operator can push button for releasing
the gear socket back to the open position.



Connect fitting with
the air hose.



Please add MOLY
(Molybdenum Disulfide) grease.



Extremely easy and useful to tighten things up
in limited spaces, for example: compressor assembly,
refrigerator pipes or automobile breaking
system pipes and so on.



1. Use hex wrench to remove screw in an anticlockwise direction.
2. Adjust Wrench Gear Set angle (15°~30°)



Please add lubricant
1~2 drops daily.



Rear exhaust.

AIR SUPPLY

1. Air tools are adversely affected by moisture. Since air from compressor contains much moisture and dust, it is desirable to provide a filter and lubricator in the pipeline to remove such undesirable elements. Also take the drain out from air tank every day.
2. When using brand-new air hose or air pipe. Blow and clean the inside of air hose or pipe before installation.
3. Keep inside of air hose or air pipe clean to prevent airdrop problem caused by the lots of drain and dust accumulated and possibly make the inside diameter smaller in the long use.
4. When disconnect air hose from air tool while in the operation do not drop air hose end to the floor as dust or other element may come into air hose.
5. Use air regulator to keep stable air pressure (dynamical pressure) at 5.5kg/cm²-6.0kg/cm² on the air inlet. It is important to get proper air pressure at the toll. For more details, pls refer our specification.
6. After lubrication, oil will discharged the exhaust upon operation. Flush motor for a few seconds.

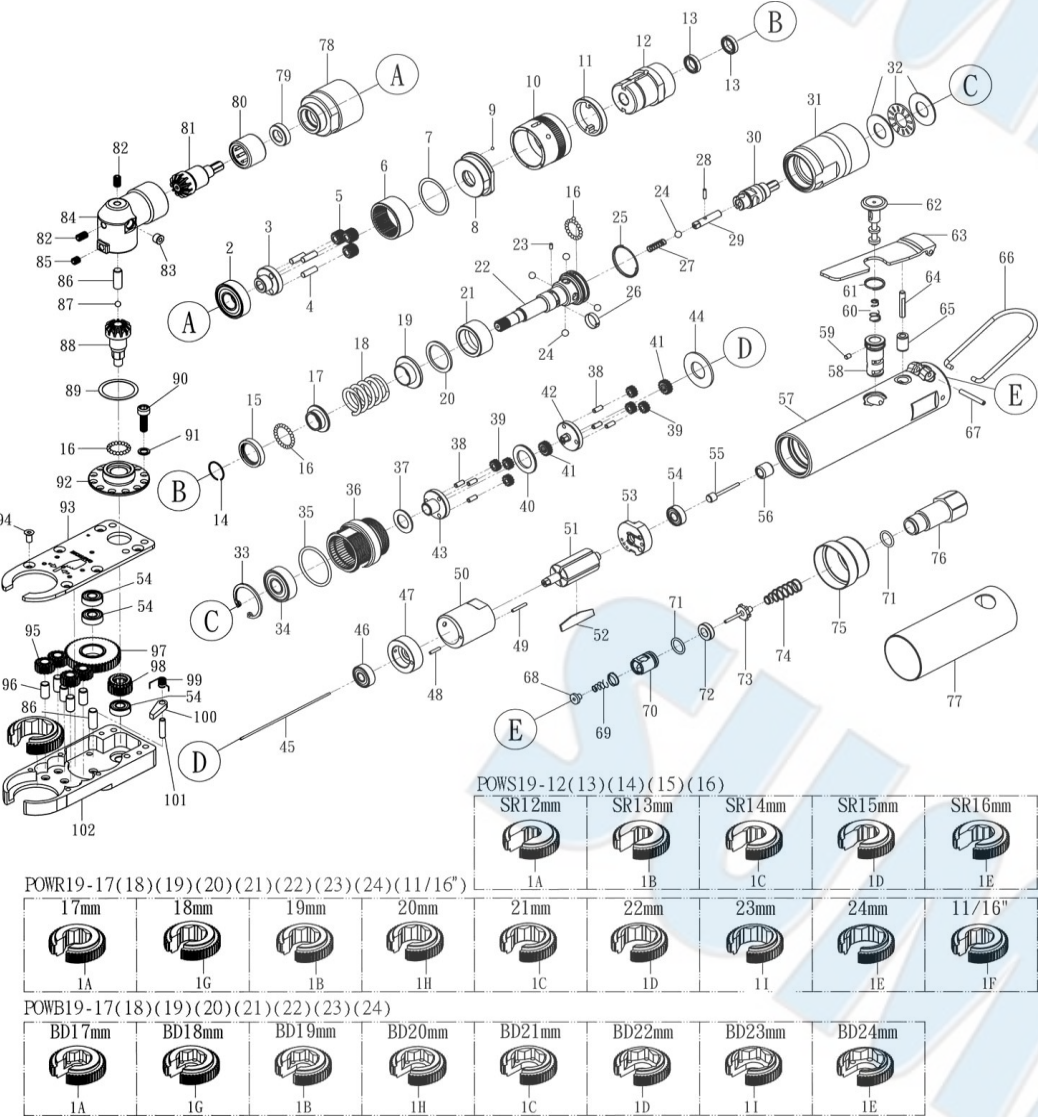
LUBRICATION

1. Lubrication is indispensable to air tools. The most ideal maintenance is to install one lubricator to a toll for automatic oil feed, but if it is not available, manual lubrication twice every day is recommended for longer life and keeping the efficient function of mechanism.
2. For manual lubrication, disconnect air hose from bushing air inlet and full up spindle oil (#40-#60) into the air inlet.

Common Troubleshooting:

Appearance	Possible Cause	Solution
WHEN AIR INTO AIR INLET, THE TOOL CANNOT WORK	Operating rod has worn and tore or bend.	Disassemble and repair
	Spring is in right position	Disassemble and repair
	Parts front plate, rotor, cylinder, end plate are rusty.	Disassemble and repair
	Parts 15t plant gear, 15t plant gear, fifth gear cage and main gear, fifth ear cage, internal gear, blade are broken.	Disassemble and repair
WHEN AIR INTO AIR INLET, THE TOOL RUN WITHOUT PRESS THE TRIGGER	Some of O-rings are loaded or deformed	Disassemble and repair
NON AUTO SHUT-OFF WHEN TORQUE IS REACHED	Some of O-rings are worn and tore.	Disassemble and repair
	Spring (inside of anvil) may not in right position	Disassemble and repair
	Parts slide base, rear clutch, bearing, center clutch, retainer, bushing have worn and tore.	Disassemble and repair
THE MAX TORQUE IS INSUFFICIENT.	Parts front plate, rotor, cylinder, end plate, ball bearing are rusty.	Disassemble and repair
	Motor of blades are worn and tore.	Disassemble and repair
	Rear clutch is worn and tore.	Disassemble and repair
	Torque spring is elastic fatigued.	Disassemble and repair
WHEN THE FREE SPEED IS TOO LOW	Air pressure may not enough.	Check equipment.
	Check air inlet set.	Disassemble and repair

POWR19-SERIES, POWS19-SERIES, POWB19-SERIES
AIR SHUT OFF OPEN-END WRENCH



PARTS LIST

No.	Parts No.	Description	Q'ty	No.	Parts No.	Description	Q'ty
1	POWR19-001A	Gear Socket 17mm	1	42	POWR19-042	Gear Ring	1
	POWR19-001B	Gear Socket 19mm	1	43	POWR19-043	Gear Ring	1
	POWR19-001C	Gear Socket 21mm	1	44	POWR19-044	Washer	1
	POWR19-001D	Gear Socket 22mm	1	45	POWR19-045	Driver	1
	POWR19-001E	Gear Socket 24mm	1	46	POWR19-046	Ball Bearing (606-2Z)	1
	POWR19-001F	Gear Socket 11/16"	1	47	POWR19-047	Front Plate	1
	POWR19-001G	Gear Socket 18mm	1	48	POWR19-048	Pin (Φ2x10)	1
	POWR19-001H	Gear Socket 20mm	1	49	POWR19-049	Pin (Φ2x14)	1
	POWR19-001I	Gear Socket 23mm	1	50	POWR19-050	Cylinder	1
	POWS19-001A	Gear Socket SR12mm	1	51	POWR19-051	Rotor	1
	POWS19-001B	Gear Socket SR13mm	1	52	POWR19-052	Rotor Blade	5
	POWS19-001C	Gear Socket SR14mm	1	53	POWR19-053	Rear Plate	1
	POWS19-001D	Gear Socket SR15mm	1	54	POWR19-054	Ball Bearing (696-2Z)	4
	POWS19-001E	Gear Socket SR16mm	1	55	POWR19-055	Valve Rod	1
	POWB19-001A	Gear Socket BD17mm	1	56	POWR19-056	Bushing	1
	POWB19-001B	Gear Socket BD19mm	1	57	POWR19-057	Handle	1
	POWB19-001C	Gear Socket BD21mm	1	58	POWR19-058	Bushing	1
POWB19-001D	Gear Socket BD22mm	1	59	POWR19-059	Pin (Φ3x4)	1	
POWB19-001E	Gear Socket BD24mm	1	60	POWR19-060	Spring	1	
POWB19-001G	Gear Socket BD18mm	1	61	POWR19-061	Retaining Ring	1	
POWB19-001H	Gear Socket BD20mm	1	62	POWR19-062	Reverse Valve	1	
POWB19-001I	Gear Socket BD23mm	1	63	POWR19-063	Switch Lever	1	
2	POWR19-002	Ball Bearing (6001-2Z)	1	64	POWR19-064	Pin (Φ4.0x22)	1
3	POWR19-003	Gear Ring	1	65	POWR19-065	Bushing	1
4	POWR19-004	Pin (Φ4x13)	3	66	POWR19-066	Hook	1
5	POWR19-005	Gear	3	67	POWR19-067	Pin (Φ3x24)	1
6	POWR19-006	Gear Ring	1	68	POWR19-068	Washer	1
7	POWR19-007	Washer	1	69	POWR19-069	Spring	1
8	POWR19-008	Bushing	1	70	POWR19-070	Switch	1
9	POWR19-009	Steel Ball (Φ2mm)	1	71	POWR19-071	O-Ring (P10x1.5)	2
10	POWR19-010	Nut (RH)	1	72	POWR19-072	Washer	1
11	POWR19-011	Nut (RH)	1	73	POWR19-073	Valve Rod	1
12	POWR19-012	Bushing	1	74	POWR19-074	Spring	1
13	POWR19-013	Ball Bearing (679)	2	75	POWR19-075	Muffler	1
14	POWR19-014	Retaining Ring	1	76	POWR19-076A	Air Inlet (PT)	1
15	POWR19-015	Washer	1		POWR19-076B	Air Inlet (NPT)	1
16	POWR19-016	Steel Ball (Φ2.5mm)	58	77	POWR19-077	Bushing	1
17	POWR19-017	Washer	1	78	POWR19-078	Front Cap	1
18	POWR19-018	Spring (d:Φ2.6)	1	79	POWR19-079	Ball Bearing (689)	1
	POWR19-018A	Spring (d:Φ2.3)	1	80	POWR19-080	Ball Bearing (HK162216)	1
19	POWR19-019	Bushing	1	81	POWR19-081	Driving Rod	1
20	POWR19-020	Washer	1	82	POWR19-082	Screw	2
21	POWR19-021	Bushing	1	83	POWR19-083	Oil Cup	1
22	POWR19-022	Anvil	1	84	POWR19-084	L Head	1
23	POWR19-023	Pin (Φ2x4.1)	1	85	POWR19-085	Screw	1
24	POWR19-024	Steel Ball (Φ4.763mm)	5	86	POWR19-086	Pin (Φ6x15.8)	2
25	POWR19-025	Retaining Ring	1	87	POWR19-087	Steel Ball (Φ4mm)	1
26	POWR19-026	Retaining Ring	1	88	POWR19-088	Driving Rod	1
27	POWR19-027	Spring	1	89	POWR19-089	Washer	1
28	POWR19-028	Pin (Φ2x8)	1	90	POWR19-090	Screw	3
29	POWR19-029	Pin	1	91	POWR19-091	Washer	3
30	POWR19-030	Hammer Cam	1	92	POWR19-092	Nut	1
31	POWR19-031	Bushing	1	93	POWR19-093	Gear Casing Cover	1
32	POWR19-032	Ball Bearing (1226)	1	94	POWR19-094	Screw	6
33	POWR19-033	Stopping Wheel	1	95	POWR19-095	Gear	4
34	POWR19-034	Ball Bearing (6000-2Z)	1	96	POWR19-096	Pin (Φ6x12)	5
35	POWR19-035	O-Ring (P28x2)	1	97	POWR19-097	Ratchet Gear	1
36	POWR19-036	Gear Ring	1	98	POWR19-098	Gear	1
37	POWR19-037	Washer	1	99	POWR19-099	Spring	1
38	POWR19-038	Pin (Φ3x8)	6	100	POWR19-100	Checker	1
39	POWR19-039	Gear	6	101	POWR19-101	Pin (Φ4x16)	1
40	POWR19-040	Washer	1	102	POWR19-102	Gear Casing	1
41	POWR19-041	Gear	2				