

1/2"(3/8")Air Ratchet Wrench

1) Technical Datum

Drive Size	1/2"(3/8")
Capacity Bolt Dia.(mm)	M13(M10)
Max Torque	88N.m
Applied Torque	1.4-7kgm
Free-load Speed	160r.p.m
Inlet Adapter	1/4"
Air Pressure	6kg/cm²
Overall Length	260mm
Weight	1.17kg

2) Application

The tool is air ratchet wrench with the characteristics of large power, high efficiency, various application.It is widely suitable for screw and unscrew work of big truck and lorry.Also can be used in the maintenance of bus and general Equipments of large machines.

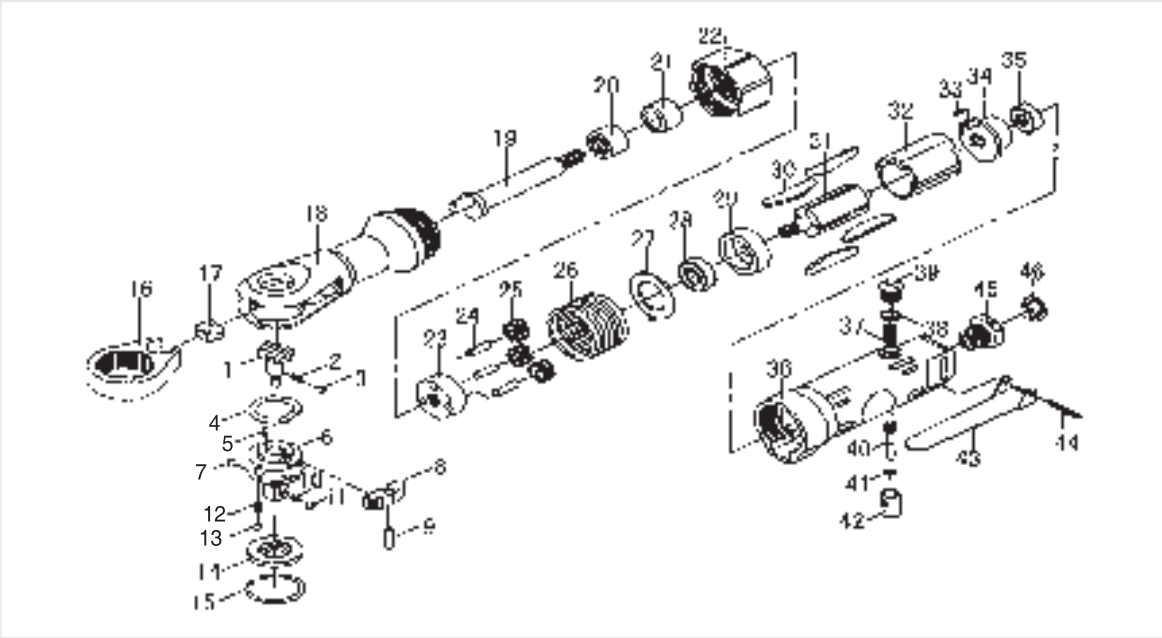
3) Features

All the parts are processed by precious machine tool. The dimension of process face is very precious.all the material of impact structure is high quality steel,the heat treatment system extend the service life,so it can stand large impact and wearing. The tools with the ingenious structure ,which make the operator feel comfortable and reduce the tire sense largely.

4) Operations and Maintenances

- a) The moisture of the air compressor and gas storage cylinder must be cleaned thoroughly. Air supply pipe is not allowed to leak gas.
- b) Check the air pressure meter whether the pressure is 8kgs. The safe working pressure is within the range of 6.3kgs.
- c)Make sure the tool can normally operate,please install the filter and automatic lubricator on the outlet of the air compressor.
- d) Without lubricator, Please keep the air inlet mouth full of lubrication grease before and after working, which can reach the best performance(please use the professional grease of the air wrench).
- e) When the tool can not work, please insert the lubrication grease which can make it turn. If always can not remove the obstacle, please contact with the dealer.

EXPLODED VIEW



PARTS LIST

pos	description	q' ty	pos	description	q' ty
1	Reverse Button	1	24	Pin	3
2	Ratchet Spring	1	25	Planet Gear	3
3	Lock Pin	1	26	Idler Gear Housing	1
4	Wear Washer	1	27	Exhaust Cover	1
5	Ratchet Pawl Pin	1	28	Ball Bearing	1
6	Ratchet Anvil	1	29	Front End Plate	1
7	Steel Ball	1	30	Rotor Blade	4
8	Ratchet Pawl	1	31	Rotor	1
9	Ratchet Pawl Pin	1	32	Cylinder	1
10	Detent Spring	1	33	Spring Pin	1
11	Detent Ball	1	34	Rear End Plate	1
12	Spring	2	35	Ball Bearing	1
13	Steel Ball	2	36	Motor Housing	1
14	Thrust Washer	1	37	Spring	1
15	Snap Ring	1	38	O-Ring	1
16	Ratchet Yoke	1	39	Valve Screw	1
17	Drive Bushing	1	40	Throttle Plunger	1
18	Ratchet Housing	1	41	O-Ring	1
19	Crank Shaft	1	42	Throttle Valve	1
20	Needle Bearing	1	43	Throttle Lever	1
21	Bushing	1	44	Throttle Lever Pin	1
22	Clamp Nut	1	45	Air Inlet	1
23	Idler Gear Plate	1	46	Dustproof Cap	1

1/2" Air Impact Wrench

1) Technical Data:

Drive size:	1/2"
Capacity Bolt Dia.	16mm
Max torque	313N.m
Free-load Speed	7000r.p.m
Air Consumption	8.12L/s
Noise	< 90dB(A)
Overall Length	190mm
Weight	2.2kg

2) Application

The tool is pneumatic wrench with the characteristics of large power, high efficiency, various application. It is widely suitable for installing the motorcycle, cars, generator. It is also very useful for car mending factory, tire shop and so on.

3) Features

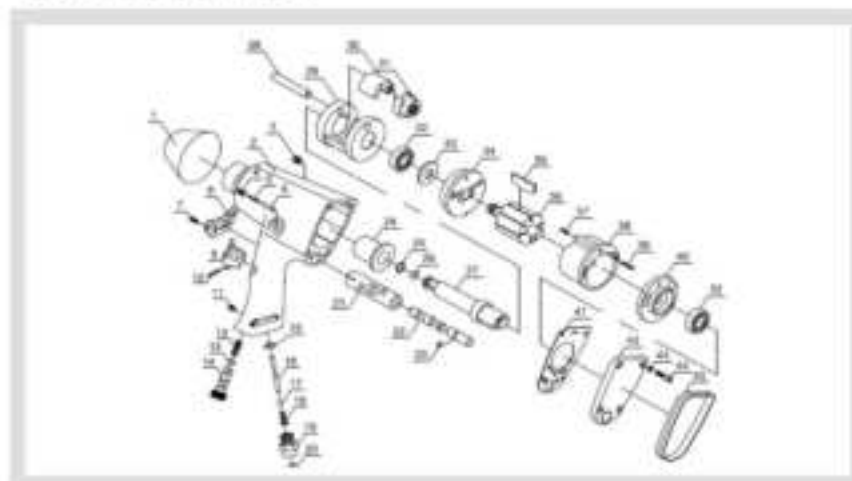
All the parts are processed by precision machine tool, the dimension of process face is very precise. All the material of impact structure is high quality steel, the heat treatment system extend the service life, so it can stand large impact and wearing.

The tool with the ingenious structure, which make the operator feel comfortable and reduce the tire sense largely.

4) Operations and Maintenances

- The moisture of the air compressor and gas storage cylinder must be cleaned thoroughly, air supply pipe is not allowed to leak gas.
- Check the air pressure meter whether the pressure is 8 kg, the safe working pressure is within the range of 6.3 kg.
- Make sure the tool can normally operate, please install the filter and automatic lubricator on the outlet of the air compressor.
- Without lubricator, please keep the air inlet mouth full of lubrication grease before and after working, which can reach the best performance (please use the professional grease of the air wrench).
- When the tool can not work, please insert the lubrication grease which can make it turn. If always can not remove the obstacle, please contact with the dealer.

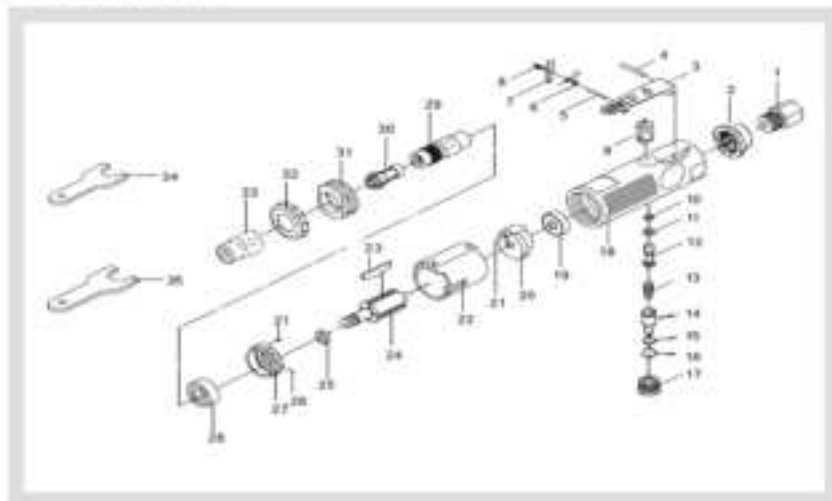
EXPLODED VIEW



PARTS LIST

pin	description	q'ty	pin	description	q'ty
1	Front protection sheath	1	24	Bushing	1
2	Body case	1	25	Stop ring	1
3	Hexagon-socket screws	1	26	O-Ring	1
4	Hexagon-socket screws	1	27	Drive shaft	1
5	spring	1	28	Pin	1
6	pin	1	29	Rotating wheel	1
7	Self-tapping screw	2	30	Knock	1
8	Exhaust hood	1	31	Booster	1
9	trigger	1	32	Bearing	2
10	Pin	1	33	Oil seal	1
11	Self-tapping screw	1	34	Front bearing cover	1
12	spring	1	35	Blade	8
13	O-ring	1	36	Rotator	1
14	Adjuster	1	37	Pin	1
15	Seal washer	1	38	Air cylinder	1
16	Valve stem	1	39	Pin	1
17	Ball	1	40	Rear Bearing Cover	1
18	Conical spring	1	41	Seal washer	1
19	Air inlet	1	42	Rear cover	1
20	Dust cap	1	43	Spring washer	4
21	Valve bush	1	44	Hexagon-socket screws	4
22	Switch valve	1	45	Rear protection sheath	1
23	O-Ring	1			

EXPLODED VIEW



PARTS LIST

pos	description	q'ty	pos	description	q'ty
1	INTE BUSHING	1	19	BEARING	1
2	EXHAUST DEFLECTOR	1	20	REAR END PLATE	1
3	THROTTLE LEVER	1	21	SPRING PIN	2
4	SPRING PIN	1	22	CYLINDER	1
5	SPRING PIN	1	23	ROTOR BLADE	4
6	SPRING	1	24	ROTOR	1
7	SAFETY STICK	1	25	WASHER	1
8	WASHER	1	26	SPRING PIN	1
9	VALVE	1	27	FRONT END PLATE	1
10	O-RING	1	28	BEARING	1
11	O-RING	1	29	SPINDLE	1
12	THROTTLE VALVE	1	30	COLLET	1
13	SPRING	1	31	RETAINER	1
14	AIR REGULATOR	1	32	HOUSING CAP	1
15	O-RING	1	33	COLLET NUT	1
16	O-RING	1	34	SPANNER	1
17	VALVE SCREW	1	35	SPANNER	1
18	HOUSING	1			

Air Die Grinder

1) Technical Data

Chuck size	6mm
Rated power	0.23kw
Free-load Speed	22000/25000r.p.m
Air Inlet	1/4"
Air Pressure	6-8kg/cm ²
Noise	< 90dB(A)
Overall Length	175/180mm
Weight	0.600/0.52kg

2) Application

The tool is air grinder with the characteristics of large power, high efficiency, various application. It is widely suitable for screw and unscrew work of big truck and lorry. Also can be used in the maintenance of bus and general Equipments of large machines.

3) Features

All the parts are processed by precious machine tool. The dimension of process face is very precious. All the material of impact structure is high quality steel, the heat treatment system extends the service life, so it can stand large impact and wearing. The tools with the ingenious structure, which make the operator feel comfortable and reduce the tire sense largely.

4) Operations and Maintenances

a) The moisture of the air compressor and gas storage cylinder must be cleaned thoroughly. Air supply pipe is not allowed to leak gas.

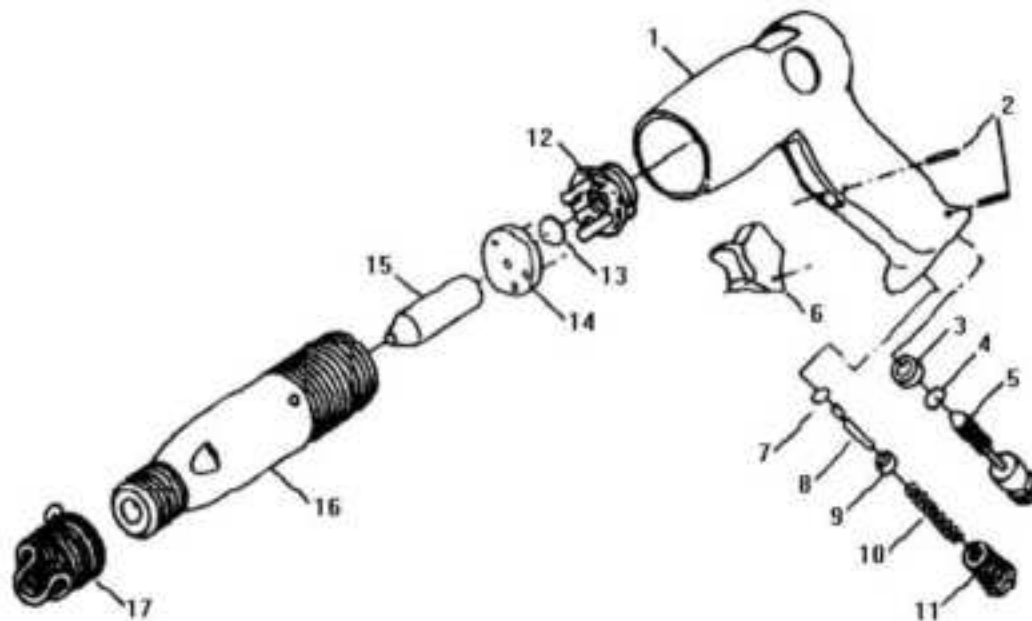
b) Check the air pressure meter whether the pressure is 8kgs. The safe working pressure is within the range of 6.5kgs.

c) Make sure the tool can normally operate, please install the filter and automatic lubricator on the outlet of the air compressor.

d) Without lubricator, Please keep the air inlet mouth full of lubrication grease before and after working, which can reach the best performance (please use the professional grease of the air wrench).

e) When the tool can not work, please insert the lubrication grease which can make it turn. If always can not remove the obstacle, please contact with the dealer.

AIR HAMMER



PARTS LIST

pos	description	q' ty
1	Housing	1
2	Pin	2
3	Steel washer	1
4	Coil Spring	1
5	Air Regulator	1
6	Trigger	1
7	Coil Spring	1
8	Pin	1
9	Washer	1
10	Spring	1
11	Connection	1
12	Upper Valve	1
13	Disk	1
14	Lower Valve	1
15	Piston	1
16	Cylinder	1
17	Absorber Spring	1