

ProMeister



User Guide

1/2" Impact Wrench

Produced in Taiwan for
Bileko Car Parts AB
P.O. Box 542
S-645 25 Strängnäs, Sweden
Tel: +46 771 72 00 00
www.promeister.com



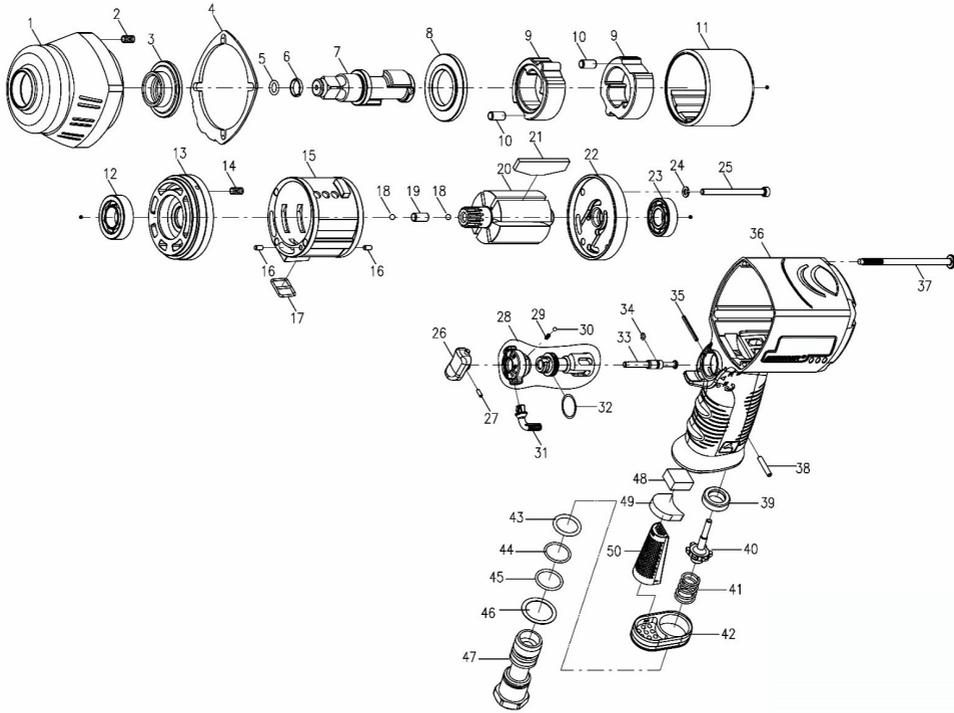
Luftwerkzeuge
Tryckluftsverktyg
Tryckluftsverktøy

Trykluftværktøj
Paineilmatyökalut

Art. Nr: PT6125

RVNR-01

Product Specifications



Product Specifications

Index No.	Part No.	Description	Q'ty
1	2437-002	Hammer Case	1
2	00-4302	Helicoil (M5x1.5D)	4
3	301Q-010	Anvil Bushing	1
4	301Q-020	Front Gasket	1
5	00-4103	O-Ring (P7)	1
6	250-033	Anvil Collar	1
7	301Q-011NA4	Anvil	1
8	301Q-019	Hammer Cage Cover	1
9	301Q-017	Hammer	2
10	00-3481	Pin (ψ7×15.6L)	2
11	301Q-012	Hammer Cage	1
12	00-2313	Ball Bearing (6002)	1
13	301Q-005	Front End Plate	1
14	00-4305	Helicoil (M4x1.5D)	3
15	301Q-006	Cylinder	1
16	00-3419	Pin (ψ3×6L)	2
17	301B-030	Square Ring	1
18	00-3824	Steel Ball (ψ4)	2
19	00-3480	Pin (ψ6×10L)	1
20	301Q-007	Rotor	1
21	305N-008D	Rotor Blade	6
22	301B-009	Rear End Plate	1
23	00-2305	Ball Bearing (6001)	1
24	00-1809	Spring Washer (M4)	3
25	00-0162	Cap Screw (M4x57L)	3
26	243Q-023	Trigger	1
27	00-3325	Spring Pin (ψ2×6L)	1

Index No.	Part No.	Description	Q'ty
28	301Q-034B	F/R Lever	1
	301B-021	R/F Valve	1
29	305Y-027	Spring	1
30	00-3816	Steel Ball (ψ2.5)	1
31	243Q-035B	Tab	1
32	00-41175	O-Ring (ψ13×ψ1.5)	1
33	301Q-029	Trigger pin	1
34	00-4190	O-Ring (ψ4×ψ1)	1
35	00-3351	Spring Pin (ψ2×24L)	1
36	2437-001	Motor Housing	1
37	301Q-028	Screw	4
38	00-3308	Spring Pin (ψ3×18L)	1
39	306-027-B	Bushing	1
40	306-026B	Valve Stem	1
41	305F-026B	Spring	1
42	305-021	Exhaust Deflector	1
43	00-4126	O-Ring (P16)	1
44	00-4143	O-Ring (ψ17×ψ1.5)	1
45	00-4121	O-Ring (ψ15×ψ1.5)	1
46	305F-032	Washer	1
47	305J-025A	Air Inlet (1/4"PF)	1
	305J-025B	Air Inlet (1/4"PT)	
	305J-025C	Air Inlet (1/4"NPT)	
48	306-035	Muffler	1
49	305V-027	Muffler	1
50	305F-042	Muffler	1

Art. Nr	SQUARE DRIVER	FREE SPEED	MAX. TORQUE @ 5sec.		OVERALL LENGTH		AIR INLET	AIR HOSE I.D.	AVERAGE AIR CONSUMPTION		NET WEIGHT	
	inch	rpm	ft-lb	Nm	inch	mm	inch	inch	cfm	L/min	lb	kg
PT6125	1/2	7,500	502	680	6.37	162	1/4	3/8	5.7	161	4.4	2.0

NOISE				VIBRATION		UNCERTAINTY, K	
No Load		Loaded		Handle	Gear Housing	Handle	Gear Housing
Sound Pressure dB(A) [LpA]	Sound Power dB(A) [LwA]	Sound Pressure dB(A) [LpA]	Sound Power dB(A) [LwA]	m/s ²	m/s ²	m/s ²	
84.7	95.7	93.9	104.9	6.5	7.6	1.14	1.25

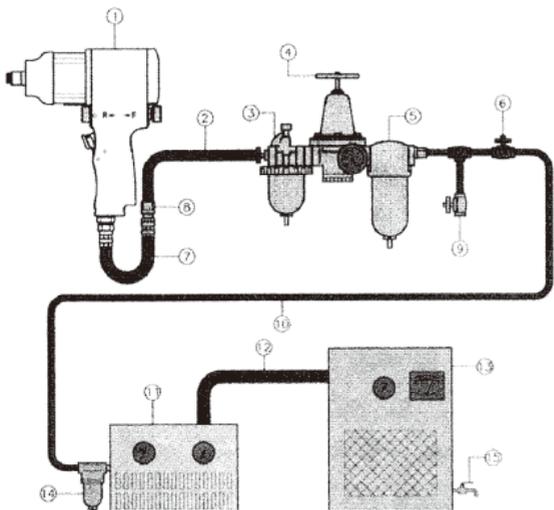
Operating Instructions



 For your own safety, please read the operating instruction carefully before use the air tool.

1. Please always keep the proper pressure of air inlet at 90psi (Max 6.3dB) in order to protect your own safety and maintain the longest tool life. Pour a few drips of lubricating oil in the air inlet regularly.
2. Do not wear loose or baggy clothing when you operate the air tool. Remove anything that may be caused injury, ie. neckties, jewelry etc. Tie back long hair and wear eye protection.
3. It is the owner's responsibility to lubricate the air tool properly, but do not use any inflammable or volatile oils for lubricating, ie. diesel oil, gasoline, or kerosene
4. Make sure to use impact-quality sockets only, do not use hand-tool sockets. The crack of sockets will reduce the torque of air tool and may cause serious injury.
5. Do not depress trigger when connecting the air supply hose.
6. Protect the air lines from damage or puncture.
7. Never point an air tool at oneself or any other person. It could cause serious injury.
8. Keep all nuts, bolts and screws tight and ensure equipment is in safe working condition.

Air Tools and Pipe Fitting System

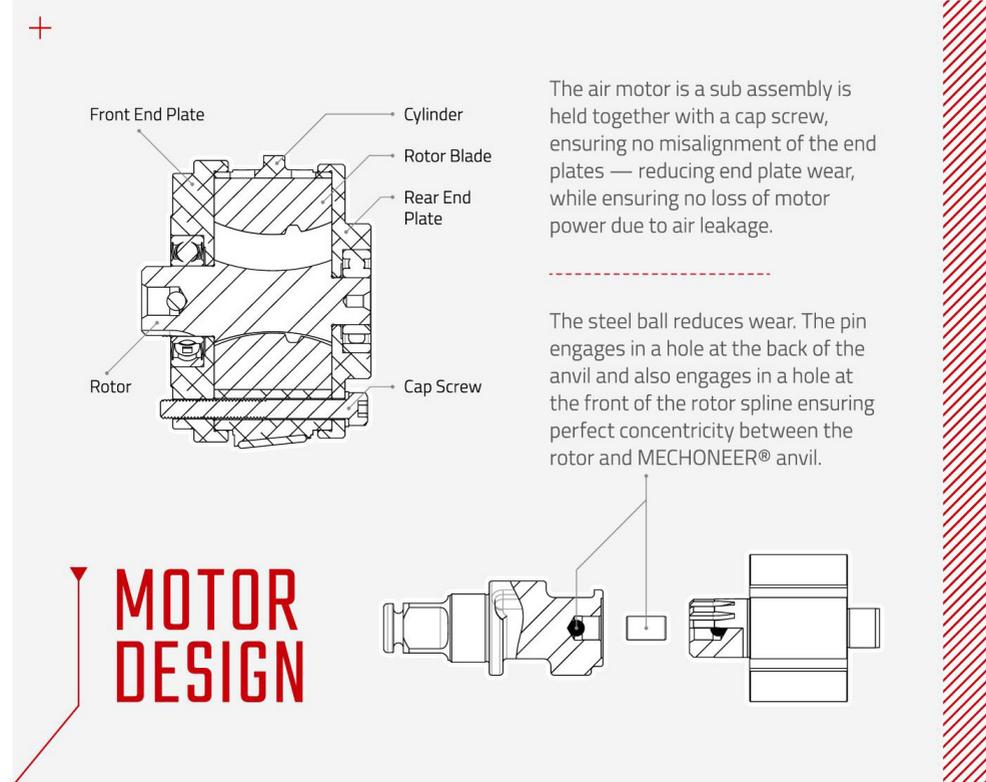
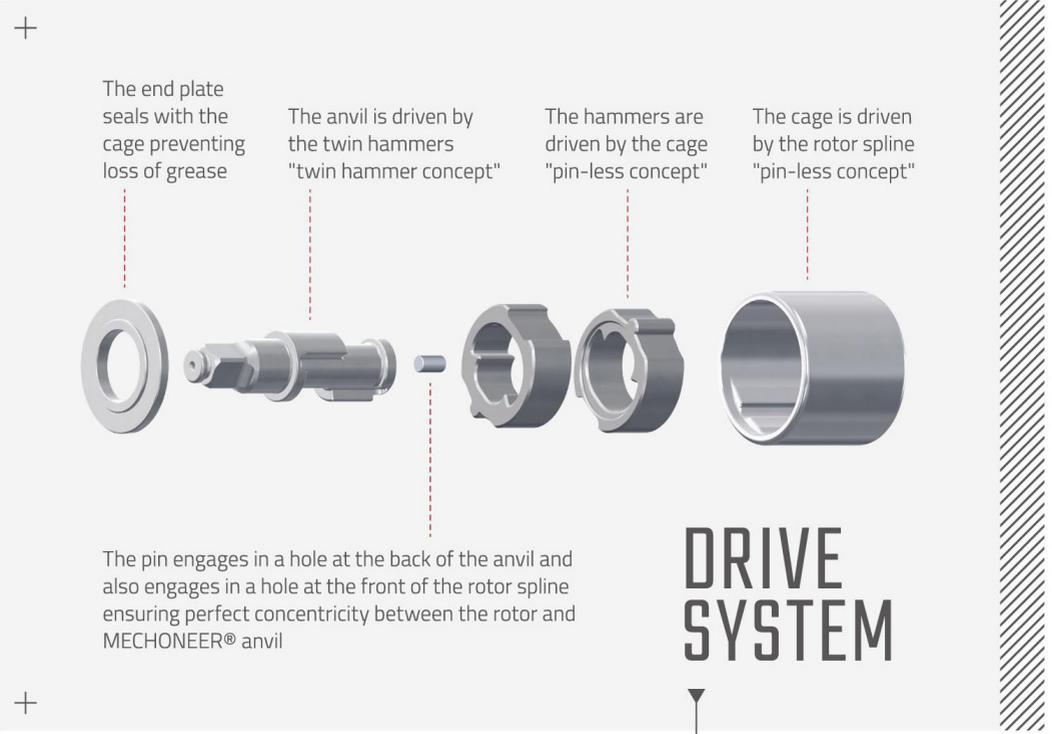


1. Air Tool
2. Air Hose 3/8"
3. Oiler
4. Pressure Regulator
5. Filter
6. Shut Off Valve
7. Lead Hose
8. Coupler body and connector
9. Drain Daily
10. 1/2" or larger pipe and fitting
11. Air Dryer
12. 1" or larger pipe and fitting
13. Air Compressor
14. Auto Drain
15. Drain Daily

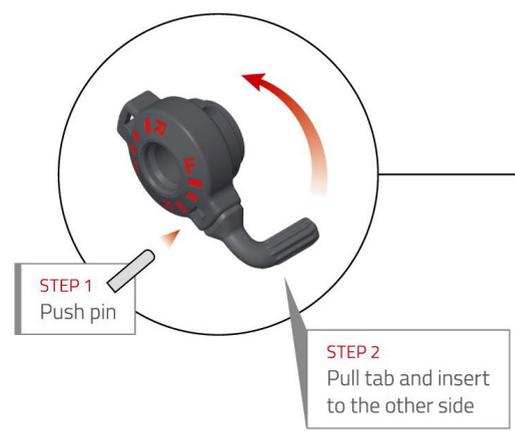
Caution

1. To Protect air tools, we strongly recommend that you install a pneumatic filter, moisture separator, regulator and lubricator between the air supply and Air Tools
2. Please notice if the moisture in pipe is too much and if your air compressor is made drain daily
3. Be sure to fill in SAE#10 lubricating oil into the air inlet before using air tools, and always after daily use.
4. Before using air tools, please keep proper air pressure
5. Don't fill in too viscid oil into air inlet, or it will lessen the air motor power.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Tool runs slowly down or doesn't work	1. Grit or gum in motor set. 2. Low air pressure. 3. Dry or rusty motor set 4. No oil in tool. 5. Worn ball bearing.	1a. Drop diesel oil from air inlet to flush motor set, and then drop SAE#10 motor oil to lubricate it. 1b. Disassemble tool and repair it. 2. Check the air compressor meter and adjust the compressor regulator. 3. Lubricate the tool with SAE#10 motor oil or sewing machine oil. 4. Do the same as point 3 5. Replace ball bearing.
Reduced torque	1. Lack of lubrication 2. Regulator set in wrong position 3. Low pressure. 4. Worn impact mechanism	1. Lubricate the tool. 2. Adjust the regulator to correct position. 3. Check the pressure of air inlet to see if it is at correct number 90 PSI. 4. Replace parts
Doesn't impact totally but can run free	Serious worn parts or damaged parts of impact set.	Disassemble tool and replace parts
Self-running	Trigger system: 1. Valve stem can't remove back. 2. Rusty or deformed steel ball. 3. Rusty or cracked spring	Replace parts
Moisture blowing out of tool	1. Water in tank. 2. Water in the air lines/hose	1. Drain tank. Oil tool and run until no Water is evident. Oil tool again and run 1-2 seconds. 2a. Install a water separator/filter. Note: Separators only work properly when the air passing through the separator is cool. Locate the separator/filter as far as possible from the compressor. 2b. Install an air dryer.



HOW TO CHANGE THE TAB FROM RIGHT-HAND TO LEFT-HAND SIDE?

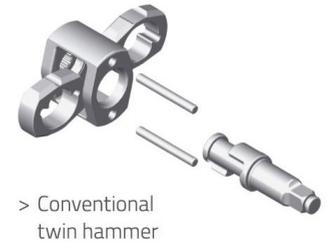


SUMMARY MECHONEER® BENEFITS

With no pins passing through the hammer cage, the cage is strengthened providing pin-less reliability with twin hammer blow frequency.

The pin-less action, removal of pins and the concentricity with the rotor reduces vibration and further increases reliability.

Sealing the mechanism with an end plate eliminates the characteristic of all twin hammer, rocking dog, pin-less hammer, jumbo hammer mechanisms; where the centrifugal force throws the grease to the inside of the hammer case, causing premature hammer and anvil wear.



TOOLS FEATURES

MECHONEER® Drive System features a new patent pending impact mechanism, reducing vibration by up to 40% and noise up to 10%, and increasing life by 80% and unbeatable power to weight ratio.

A › Hammer cage end plate retains the grease in the hammers & cage reducing wear

B › Patented MECHONEER® pin-less/twin hammer clutch reduces wear and vibration

C › Rotor spline connected to anvil eliminates misalignment and reduces wear and vibration

D › Through-bolt motor assembly construction eliminates component misalignment reducing wear; and eliminates motor air leakage increasing performance

E › Patented trigger mounted combined forward/reverse/power management switch provides convenient one hand operation

F › Ergonomic handle design provides unmatched operator comfort

G › Patented muffler reduces noise level to 88 dB



HOW IT WORKS
The patented MECHONEER® Drive System is a **Hybrid** twin hammer/pin-less mechanism that has fewer moving parts reducing vibration and wear. The clutch mechanism is sealed with a front end plate that retains grease within the mechanism reducing wear. The rear of the anvil is connected by a secondary spindle to

the rotor spline of the motor guaranteeing concentricity which reduces vibration and wear. The motor pack has a through-bolt that ensures concentricity and alignment of the rotor, end plates and cylinder — reducing wear and eliminating internal motor air leaks then can effect power.

EC Declaration of Conformity

We, *Bileko Car Parts AB*
P.O. Box 542,
S-645 25 Strängnäs,
Sweden

Herewith declare that the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us.

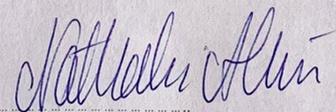
In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity:

Description: *1/2" Stubby IMPACT WRENCH*

Type: *Art nr: PT6125*

Applicable EC Directives: *Machinery Directive: 2006/42/EC*

Applicable Harmonized Standards: *EN ISO 11148-6:2012
EN 15744:2008
EN ISO 28927-2:2010*

Date / Authorized Signature: *2021-03-19 ...* 

Title of Signatory: *Nathalie Ahlsén*
Purchasing & Category Manager

