



Operation Instruction for Air Impact Wrench

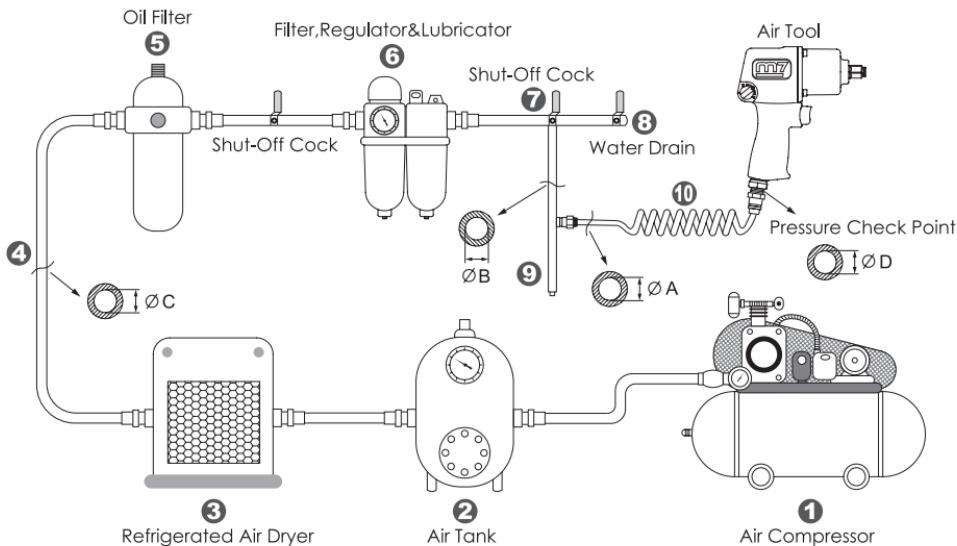
Working environment:

- 1.Using these tools in any potentially explosive environment is strictly prohibited.
- 2.It is always recommended that these types of tools must be operated when standing on a solid or firm location.
- 3.Always use these tools in a well ventilated area.
- 4.Slipping, stumbling and falling are the major causes of potential serious injury, therefore, a clean and clutter free surface in the working area before operating the tools is strongly recommended.

Air supply and connection requirements:

- 1.The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.
- 2.The compressed air should be cooled and have a water filter installed at the outlet end of the compressor. Even with a water filter installed, some water may still condense in the piping or hose and will enter the tool mechanism causing premature damage to the tool. Therefore, it is recommended to install an air filter-lubricator device somewhere between the tool and the compressor.
- 3.Always use an air compressor of the proper capacity to operate each tool.
- 4.Clean the hose with a blast of compressed air before connecting the hose to the air tool. This will prevent both moisture and dust inside the hose from entering the tool and causing possible rust or malfunction.

Ideal system connection:



Piping diameters and length requirement:

- ★ The diameter ΦA required for the inlet pipe (10) is recommended on the specification table.
- ★ The diameter ΦB required for the branch pipe (from 7 to 9) should be 2 times as large as ΦA .
 $\Phi B = 2 \times \Phi A$
- ★ The diameter ΦC required for the primary air supply (from 1 to 3) should be 3 times as large as ΦA .
 $\Phi C = 3 \times \Phi A$
- ★ The length for the inlet pipe (10) should be less than 15 feet (4.5m).



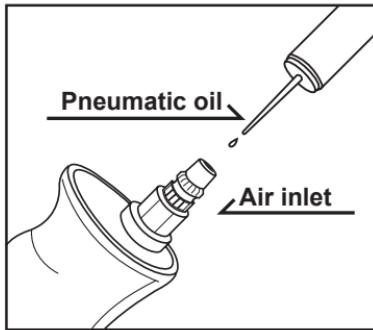
NC-2210 Air Impact Wrench Warning:



1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specially designed for tightening or loosening bolts or nuts. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. Use only pneumatic impact sockets and accessories on this tool. Never use hand sockets or accessories.
4. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
5. Wearing eye/face protection can reduce the danger of high-speed socket being ejected from the tool, due to improper socket insertion during operation.
6. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
7. Before using these tools, make sure that all couplings and plugs are securely mounted. Air hoses which are under pressure will cause a whipping action when disconnecting, this can lead to serious injury!
8. Make certain to stand on a solid or firm location and keep body in well-balanced position while operating this tool.
9. Test run the tool to confirm the rotation direction before practical use. This will reduce the potential hazard due to unexpected rotating direction.
10. In case of tool insert failure, always keep hands away from rotating socket to reduce the risk of being injured, especially when working in confined spaces.
11. Always turn off the air supply and disconnect the air hose before changing socket or making adjustments on the tool.
12. Release the throttle trigger to avoid danger if there is a failure of energy supply and when connecting or disconnecting the air hose.
13. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
14. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
15. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
16. Always use caution when operating this tool to prevent injury.
17. Avoid storing this tool where it is subject to high humidity.

Maintenance:

1. Before connecting the air hose to this tool or after operating, apply 4 or 5 drops of pneumatic oil into the air inlet and run it for several seconds, referring this operation to the attached illustration No.1.
2. Maintain this tool regularly by performing the same oiling application every 3 to 4 hours of operation.
3. Do not lubricate tools with flammable or volatile liquids. Use only the lubricant recommended by Mighty-Seven or authorized dealers. Any other lubricant will lead to reduce performance of the tool and permanent damage. Whenever any unauthorized lubricant is used by accident, flush it immediately with recommended pneumatic oil.
4. The impact mechanism also needs to be greased once every 50 hours after practical operation, referring this performance to the attached illustration No.2.
5. Follow all the recycling laws of waste disposal once this tool is no longer usable.



Regular maintenance

Item No.	Square Drive inch	Torque Range FT-LB	Max Torque FT-LB	Free Speed R.P.M.	Avg. Air Consumption CFM	Air Pressure PSI	Overall Length inch	Net Weight LBS	Air Hose inch	Sound Pressure Level ISO 15744 dBA	Vibration level m/s ²
Illustrator											
NC-2210	1/4"	5-45	50	11000	1.8	90	6-17 3/32"	1.4	3/8"	77.0	1.8

Uncertainty K=0.5a if a ≤ 5 m/s² or K=0.4a if a>5 m/s²

Référence	Carré cond inch	Couple recommandé Nm	Couple maxi Nm	Vitesse à vide R.P.M.	Cons. D'air moyenne L/min	Pression bar	Longueur mm	Poids kg	Tuyau d'air mm	Niveau sonore dBA EN ISO 15744	Niveau de vibration m/s ²
Illustrator											
NC-2210	1/4"	6-61	67.8	11000	51	6.3	166	0.65	10	77.0	1.8

Incertitude K=0.5a si a ≤ 5m/s² ou K=0.4a si a>5m/s²

Artikel-Nr.	Vierecke Antrieb inch	Empf. Drehmoment Nm	Max. Drehmoment bei Lösen Nm	Leerlauf Drehzahl R.P.M.	Luftverbrauch L/min	Arbeitsdruck bar	Gesamtlänge mm	Nettogewicht kg	Empf. Luftschlauch mm	Schalldruckpegel EN ISO 15744 dBA	Vibrationsniveau m/s ²
Illustrator											
NC-2210	1/4"	6-61	67.8	11000	51	6.3	166	0.65	10	77.0	1.8

Unsicherheit K = 0.5a wenn ein ≤ 5m/s² oder K = 0.4a wenn a > 5 m / s²

Modelo	Matriz Cuadrada inch	Rango de Torque Nm	Torque Máximo Nm	Velocidad libre R.P.M.	Consumo de Aire Promedio L/min	Presión de Aire bar	Longitud Total mm	Peso Neto kg	Manguera de Aire mm	Presión Sonora EN ISO 15744 dBA	Nivel de vibración m/s ²
Illustrator											
NC-2210	1/4"	6-61	67.8	11000	51	6.3	166	0.65	10	77.0	1.8

variable K=0.5a si a ≤ 5 m/s² ó K=0.4a si a>5 m/s²

Código	Encaixe Quadrado polegada kgfm	Faixa de Torque kgfm	Torque Máximo kgfm	Velocidad libre R.P.M.	Consumo de Ar l/min	Pressão de operação PSI	Comprimento Total mm	Peso kg	Diâmetro interno da mangueira polegada	Nível de ruído EN ISO 15744 dBA	Nível de vibração m/s ²
Illustrator											
NC-2210	1/4"	0.69 a 6.21	6.9	11000	51	90	166	0.65	1.4"	77.0	1.8

Incerteza K=0.5a se a ≤ 5 m/s² ou K=0.4a se a > 5 m/s²

Apt No.	Присоед. квадрат inch	Анапозон вращательного усиления Nm	Макс. Усилие Nm	Скорость свободн. вращения R.P.M.	Среднее изтребл. Воздуха l/min	Рабочее давление воздуха bar	Общая длина mm	Вес kg	Миним. внутр. диам. шланга мм	Уровень шума EN ISO 15744 dBA	Уровень вибрации m/s ²
Illustrator											
NC-2210	1/4"	6-61	67.8	11000	51	6.3	166	0.65	10	77.0	1.8

Погрешность K=0.5a если a ≤ 5 m/s² или K=0.4a если a>5 m/s²



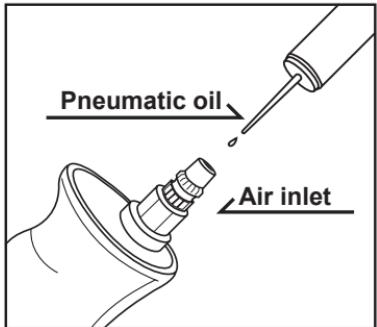
QA-651 Air Die Grinder Warning:



1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specially designed for grinding sharp edges, burrs or surfaces on certain spots or inner holes. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
4. Wearing eye/face protection can reduce the danger of high-speed materials being emitted from the tool.
5. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
6. Working with certain materials can create dust and fumes, which may cause a potential explosive environment and a hazard to the health. Therefore, wearing proper breathing protection and taking preventive measures are recommended.
7. Always wear gloves to reduce the risk of cuts or burns.
8. Make sure that all the specifications of the shank stone to be used are compatible with this tool.
9. Do not use cutting wheels on this tool.
10. Inspect the shank stone carefully before use. Use of chipped, cracked or otherwise defective implements will create an unsafe condition.
11. Make sure that the allowed operating speed of the grinding shank stone is higher than this tool.
12. Make certain that the minimum gripping length on the stem of shank stone should be 10mm observed.
13. Make sure that the shank stone is correctly mounted and tightened before use. Then, run the tool at no-load for 30 seconds in a safe location to check the function and rotating direction. Stop immediately if there's considerable vibration or any other defects.
14. Ensure that the work piece is properly supported or fixed before operating.
15. Ensure that there is no bystander in the vicinity of working area.
16. Make sure that the direction of the sparks generated from the grinding shank stone is properly directed so as not to create a hazard.
17. Release the throttle lever to avoid danger if there is a failure of energy supply and when connecting or disconnecting the air hose.
18. To prevent an accidental start and cause a hazard, rest the idle grinder in a stable position.
19. Always turn off the air supply and disconnect the air hose before replacing grinding shank stone or making adjustments on the tool.
20. Examine the shank stone thoroughly before re-use if this tool has been dropped.
21. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
22. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
23. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
24. Make sure there is no gas or combustible material stored near the tool when servicing, changing insert tools, or storage.
25. Avoid storing this tool where it is subject to high humidity.

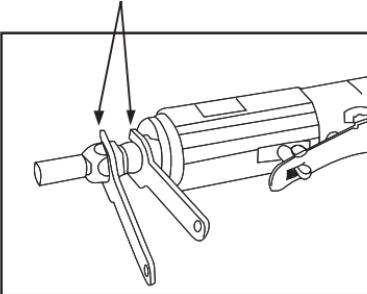
Maintenance:

1. Before connecting the air hose to this tool or after operating, apply 4 or 5 drops of pneumatic oil into the air inlet and run it for several seconds, referring this operation to the attached picture.
2. Maintain this tool regularly by performing the same oiling application every 3 to 4 hours of operation.
3. Do not lubricate tools with flammable or volatile liquids. Use only the lubricant recommended by Mighty-Seven or authorized dealers. Any other lubricant will lead to reduce performance of the tool and permanent damage. Whenever any unauthorized lubricant is used by accident, flush it immediately with recommended pneumatic oil.
4. Follow all the recycling laws of waste disposal once this tool is no longer usable.



Regular maintenance

Shank stone replacing:
Use the supplied spanners to replace.
Note: Turn counterclockwise to open
and replace.



Item No.	Collet Size /Pad	Free Speed R.P.M	Avg. Air Consumption CFM	Air Pressure PSI	Overall Length inch	Motor HP	Net Weight LBS (lb/kg)	Air Hose inch	Sound Pressure EN ISO 15744 dBA	Vibration level m/s ²
Illustrator										
QA-651	6	18000	2.7	90	5"	0.38	1.1	3/8"	74.0	0.3

Uncertainty K=0.5a if $a \leq 5 \text{ m/s}^2$ or K=0.4a if $a > 5 \text{ m/s}^2$

Référence	Diamètre de la pince mm	Vitesse à vide R.P.M	Cons. d'air moyenne L/min	Pression bar	Longueur mm	Puissance du moteur HP	Poids kg (lb/kg)	Tuyau d'air mm	Niveau sonore dBA	Niveau de vibration m/s ²
QA-651	6	18000	76	6.3	127	0.38	0.5	10	74.0	0.3

Incertitude K=0.5a si $a \leq 5 \text{ m/s}^2$ ou K=0.4a si $a > 5 \text{ m/s}^2$

Artikel-Nr.	Spannzange mm	Leerlauf Drehzahl R.P.M	Luftverbrauch L/min	Arbeitsdruck bar	Gesamtlänge mm	Motorleistung kw	Nettogewicht kg (lb/kg)	Empf. Luftschlauch mm	Schalldruckpegel dBA	Vibrationsniveau m/s ²
QA-651	6	18000	76	6.3	127	0.28	0.5	10	74.0	0.3

Unsicherheit K = 0.5 wenn ein $a \leq 5 \text{ m/s}^2$ oder K = 0.4a wenn $a > 5 \text{ m/s}^2$

Modelo	Tamaño boquilla mm	Velocidad libre R.P.M	Consumo de Aire Promedio L/min	Presión de Aire bar	Longitud Total mm	Motor HP	Peso Neto kg (lb/kg)	Manquera de Aire mm	Presión Sonora dBA	Nivel de vibración m/s ²
QA-651	6	18000	76	6.3	127	0.38	0.5	10	74.0	0.3

variable K=0.5a si $a \leq 5 \text{ m/s}^2$ ó K=0.4a si $a > 5 \text{ m/s}^2$

Código	Díámetro das pinças inch	Velocidade Livre R.P.M	Consumo de Ar L/min	Pressão de operação PSI	Comprimento Total mm	Potência do Motor HP	Peso	Díámetro interno da mangueira inch	Nível de ruído dBA	Nível de vibração m/s ²
QA-651	1/4"	18000	76	90	127	0.38	0.5	3/8"	74.0	0.3

Incerteza K=0.5a se $a \leq 5 \text{ m/s}^2$ ou K=0.4a se $a > 5 \text{ m/s}^2$

Apt No.	Диаметр жгутовки мм	Скорость свободн. Вращения R.P.M	Среднее потребл. Воздуха L/min	Рабочее давление воздуха bar	Общая длина mm	Мощность HP	Вес kg (lb/kg)	Миним. Внутр.Диам. Шланга мм	Уровень шума dBA	"Уровень вибрации" m/s ²
QA-651	6	18000	76	6.3	127	0.38	0.5	10	74.0	0.3

Погрешность K=0.5a если $a \leq 5 \text{ m/s}^2$ или K=0.4a если $a > 5 \text{ m/s}^2$



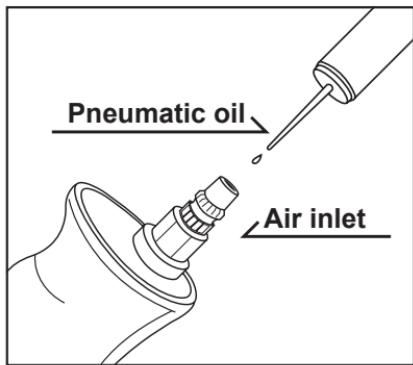
QA-212 QP-213 QP-223 Warning:



1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specifically designed for sanding or polishing a surface of metal or wood. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
4. Wearing eye/face protection can reduce the danger of high-speed materials being emitted from the tool.
5. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
6. Always wear gloves to reduce the risk of cuts or burns.
7. Working with certain materials may create emission of dust and fumes, which may cause a potential explosive environment and a hazard to the health. Therefore, wearing proper breathing protection and taking some preventive measures are recommended.
8. Never use sanding paper which was exposed to moisture. Also, avoid using this tool when it is wet, that will affect the function and durability of the pad.
9. Do not use any grinding or cutting wheels on this tool.
10. Test run the tool to confirm the rotation direction before practical use. This will reduce the potential hazard due to unexpected rotating direction.
11. Never operate the tool away from the work area in case the accessories may detach from the tool, this may cause injury to personnel nearby.
12. Use only recommended self-felt sanding paper or polisher which is in good condition and is intended for use on these types of sanders.
13. The diameter of the self-felt sanding paper to be used should meet the exact specification, which is specified in the attached data table shown on the next page.
14. Make sure the allowed operation speed of the self-felt sanding paper or polisher, which is going to be used, must be higher than 15000R.P.M.
15. Make sure that the direction of the sparks generated from the sanding paper is properly directed so it will not create a hazard.
16. Always turn off the air supply and disconnect the air hose before replacing sanding paper/polisher or making any adjustments on this tool.
17. While replacing the self-felt sanding paper, make sure that it is placed concentrically on the support pad.
18. Release the throttle lever to avoid danger if there is a failure of energy supply and when connecting or disconnecting the air hose.
19. Make sure there is no gas or combustible material stored near the tool when servicing, changing sanding paper/polisher or storage.
20. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
21. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
22. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
23. Avoid storing this tool where it is subject to high humidity.

Maintenance:

1. Before connecting the air hose to this tool or after operating, apply 4 or 5 drops of pneumatic oil into the air inlet and run it for several seconds, referring this operation to the attached picture.
2. Maintain this tool regularly by performing the same oiling application every 3 to 4 hours of operation.
3. Do not lubricate tools with flammable or volatile liquids. Use only the lubricant recommended by Mighty-Seven or authorized dealers. Any other lubricant will lead to reduce performance of the tool and permanent damage. Whenever any unauthorized lubricant is used by accident, flush it immediately with recommended pneumatic oil.
4. To maintain the tool always in good function, the components inside the shroud need to be cleaned by compressed air occasionally.
5. Follow all the recycling laws of waste disposal once this tool is no longer usable.



Regular maintenance

Item No.	Pad Dia inch	Spindle Size	Free Speed R.P.M	Ave. Air Consumption CFM	Air Pressure PSI	Overall Length inch	Motor hp	Net Weight lbs (kg)	Air Hose inch	Sound Pressure dBA	Vibration level m/s ²
Illustrator											
QP-212	2" or 3"	1/4"-20	18000	2.1	90	4-1/4"	0.38	1.1	3/8"	73.0	0.9
QP-213	3"	5/16"-24	18000	2.1	90	4-5/8"	0.38	1.1	3/8"	76.0	1.2
QP-223	3"	5/16"-24	5500	2.2	90	5-1/8"	0.38	1.3	3/8"	74.0	0.9

Uncertainty K=0.5a if a ≤ 5 m/s² or K=0.4a if a>5 m/s²

Référence	Diamètre du disque mm	Diamètre de l'axe	Vitesse à vide R.P.M	Cons. D'air moyenne L/min	Pression bar	Longueur mm	Puissance du moteur hp	Poids kg (kg)	Tuyau d'air mm	Niveau sonore dBA	Niveau de vibration m/s ²
Illustrator											
QP-212	50 or 76	1/4"-20	18000	59	6.3	107	0.38	0.5	10	73.0	0.9
QP-213	76	5/16"-24	18000	59	6.3	117	0.38	0.5	10	76.0	1.2
QP-223	76	5/16"-24	5500	62	6.3	130	0.38	0.6	10	74.0	0.9

Incertitude K=0.5a si a ≤ 5m/s² ou K=0.4a si a>5m/s²

Artikel-Nr.	Druckluft-Schleifer mm	Spindel-Größe	Leerlauf Drehzahl R.P.M	Luftverbrauch L/min	Arbeitsdruck bar	Gesamtlänge mm	Motorleistung kw	Nettogewicht kg (kg)	Empf. Luftschlach mm	Schalldruckpegel dBA	Vibrationsniveau m/s ²
Illustrator											
QP-212	50 or 76	1/4"-20	18000	59	6.3	107	0.28	0.5	10	73.0	0.9
QP-213	76	1/4"-20	18000	59	6.3	117	0.28	0.5	10	76.0	1.2
QP-223	76	5/16"-24	5500	62	6.3	130	0.28	0.6	10	74.0	0.9

Unsicherheit K = 0.5a wenn ein ≤ 5 m/s² oder K = 0.4a wenn a> 5 m / s²

Modelo	Disco	velocidad de rotación del eje	Velocidad libre	Consumo de Aire Promedio	Presión de Aire	Longitud Total	Motor	Peso Neto	Manguera de Aire	Presión Sonora	Nivel de vibración
	Inch		R.P.M	L/min	PSI	mm	hp	kg	Inch	dBA	m/s ²
Illustrator											
QP-212	2" or 3"	1/4"-20	18000	59	6.3	107	0.38	0.5	10	73.0	0.9
QP-213	3"	5/16"-24	18000	59	6.3	117	0.38	0.5	10	76.0	1.2
QP-223	3"	5/16"-24	5500	62	6.3	130	0.38	0.6	10	74.0	0.9

variable K=0.5a si a ≤ 5 m/s² ó K=0.4a si a>5 m/s²

Código	Diâmetro do disco	velocidade de rotação do eixo	Velocidade Livre	Consumo de Ar	Pressão de operação	Comprimento Total	Potência do Motor	Peso	Diâmetro interno da mangueira	Nível de ruído	Nível de vibração
	Inch		R.P.M	L/min	PSI	mm	hp	kg	Inch	dBA	m/s ²
Illustrator											
QP-212	2" or 3"	1/4"-20	18000	59	90	107	0.38	0.5	3/8"	73.0	0.9
QP-213	3"	5/16"-24	18000	59	90	117	0.38	0.5	3/8"	76.0	1.2
QP-223	3"	5/16"-24	5500	62	90	130	0.38	0.6	3/8"	74.0	0.9

Инчертка K=0.5a se a ≤ 5 m/s² ou K=0.4a se a > 5 m/s²

Apt No.	диаметр диска	velocidade de rotação do eixo	скорость свободн. Вращения	Среднее потреб. Воздуха	Рабочее давление воздуха	Общая длина	Мощность	Вес	Миним. Внутр. Диам. Шланга	Уровень шума	уровень вибрации
	mm		R.P.M	L/min	PSI	mm	hp	kg	Inch	dBA	m/s ²
Illustrator											
QP-212	50 or 76	1/4"-20	18000	59	6.3	107	0.38	0.5	10	73.0	0.9
QP-213	76	5/16"-24	18000	59	6.3	117	0.38	0.5	10	76.0	1.2
QP-223	76	5/16"-24	5500	62	6.3	130	0.38	0.6	10	74.0	0.9

Погрешность K=0.5a если a ≤ 5 m/s² или K=0.4a если a>5 m/s²



QE-323
Air Drill

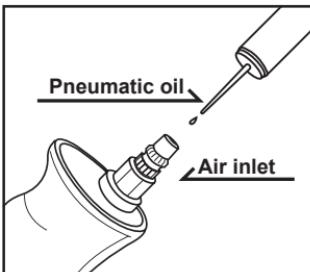
Warning:



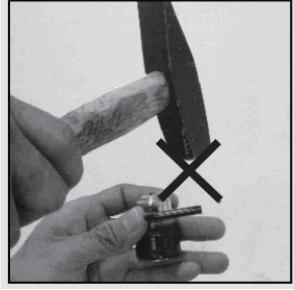
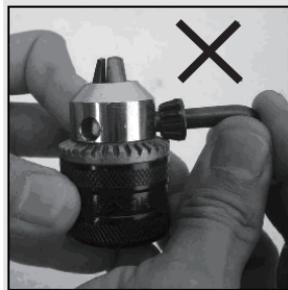
1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specially designed for drilling holes. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
4. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
5. Make certain to stand on a solid or firm location and keep body in well-balanced position while operating this tool.
6. The reaction force created during operation can be reduced efficiently by means of attaching an extra handle onto this tool. Which measure can minimize the potential hazard caused by the reaction force.
7. Make sure that the drill bit is correctly mounted and tightened before use.
8. Ensure that the chuck key is removed from the tool before starting.
9. Ensure that the work piece is supported or fixed properly before operating.
10. Do not apply too much force on the tool because it may create a hazard at the moment when the drill bit breaks through the workpiece.
11. Note that high reaction torque may develop due to drill bit stalling. This may happen when drilling into the material or when the drill bit breaks through the material.
12. Beware of unexpected movement during operation, such as drill bit failure, which may create a hazards condition and cause injuries.
13. To prevent an accidental starting hazard, always rest the idle drill in a stable position.
14. Release the throttle trigger to avoid danger if there is a failure of energy supply and when connecting or disconnecting the air hose.
15. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
16. Always turn off the air supply and disconnect the air hose before replacing drill bit or making adjustments on this tool.
17. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
18. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
19. Make sure there is no gas or combustible material stored near the tool when servicing, changing insert tools, or storage.
20. Avoid storing this tool where it is subject to high humidity.

QE-323 Maintenance:

1. Before connecting the air hose to this tool or after operating, apply 4 or 5 drops of pneumatic oil into the air inlet and run it for several seconds, referring this operation to the attached picture.
2. Maintain this tool regularly by performing the same oiling application every 3 to 4 hours of operation.
3. Do not lubricate tools with flammable or volatile liquids. Use only the lubricant recommended by Mighty-Seven or authorized dealers. Any other lubricant will lead to reduce performance of the tool and permanent damage. Whenever any unauthorized lubricant is used by accident, flush it immediately with recommended pneumatic oil.
4. Follow all the recycling laws of waste disposal once this tool is no longer usable.



Regular maintenance



Item No.	Chuck Size mm/inch	Free Speed R.P.M	Ave.Air Consumption CFM	Air Pressure PSI	Overall Length inch	Net Weight lbs	Air Hose inch	Sound Pressure dBA	Vibration level m/s ²	Motor hp
Illustrator										hp
QE-323	6 / 1/4"	1600	1.9	90	6-15/32"	1.7	3/8"	74.0	1.2	0.38

Uncertainty K=0.5a if a ≤ 5 m/s² or K=0.4a if a>5 m/s²

Référence	Diamètre du mandrin mm	Vitesse à vide R.P.M	Cons. D'air moyenne l/min	Pression bar	Longueur mm	Poids Kg	Tuyau d'air inch	Niveau sonore dBA	Niveau de vibration m/s ²	Puissance du moteur hp
Illustrator										hp
QE-323	6 / 6.35	1600	54	6.3	164	0.78	3/8"	74.0	1.2	0.38

Incertitude K=0.5a si a ≤ 5 m/s² ou K=0.4a si a>5m/s²

Artikel-Nr.	Bohrfutter mm	Leerlauf Drehzahl R.P.M	Luftverbrauch l/min	Arbeitsdruck bar	Gesamtlänge mm	Nettogewicht Kg	Empf. Luftschlauch mm	Schalldruckpegel dBA	Vibrationsniveau m/s ²	Motorleistung kW
Illustrator										kW
QE-323	6 / 6.35	1600	54	6.3	164	0.78	10	74.0	1.2	0.28

Unsicherheit K = 0.5 wenn ein a ≤ 5 m/s² oder K = 0.4a, wenn a>5 m / s²

Modelo	Tamaño vástago mm	Velocidad libre R.P.M	Consumo de Aire Promedio l/min	Presión de Aire Total bar	Longitud Total mm	Peso Neto Kg	Manguera de Aire mm	Presión Sonora dBA	Nivel de vibración m/s ²	Motor hp
Illustrator										hp
QE-323	6 / 6.35	1600	54	6.3	164	0.78	10	74.0	1.2	0.38

variable K=0.5a si a ≤ 5 m/s² ó K=0.4a si a>5 m/s²

Código	Diámetro do Mandril mm/inch	Velocidade Livre R.P.M	Consumo de Ar l/min	Pressão de operação PSI	Comprimento Total (mm)	Peso	Diâmetro interno da mangueira inch	Nível de ruído dBA	Nível de vibração m/s ²	Potência do Motor hp
Illustrator										hp
QE-431	6 / 1/4"	1600	54	90	164	0.78	3/8"	74.0	1.2	0.38

Incerteza K=0.5a se a ≤ 5 m/s² ou K=0.4a se a > 5 m/s²

Apt No.	Макс. Диаметр хвостовика сверла мм/дюйм	Скорость свободн. вращения R.P.M	Среднее потребл. воздуха l/min	Рабочее давление воздуха bar	Общая длина мм	Вес Kg	Миним. Внутр. диам. шланга мм	Уровень шума" dBA	Уровень вибрации m/s ²	Мощность hp
Illustrator										hp
QE-431	6 / 6.35	1600	54	90	164	0.78	10	74.0	1.2	0.38

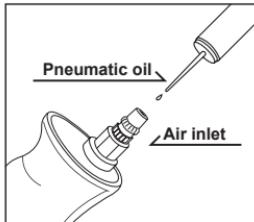
Погрешность K=0.5a если a ≤ 5 m/s² или K=0.4a если a>5 m/s²

RA-505
Air Screwdriver Warning:

1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specially designed for tightening or loosening screws. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. Use only pneumatic accessories on this tool. Never use hand accessories.
4. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
5. Wearing eye/face protection can reduce the danger of high-speed materials being emitted from this tool during operation.
6. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
7. Before using this tool, make sure that all couplings and plugs are securely mounted. Air hoses which are under pressure will cause a whipping action when disconnecting, this can lead to serious injury!
8. Test run the tool to confirm the rotation direction before practical use. That can reduce the potential hazard due to unexpected rotating direction.
9. In case of tool insert failure, keep hands away from rotating bit to reduce the risk of being injured, especially when working in confined spaces.
10. Keep body in well-balanced position to counteract the effects of a sudden break of the insert tool during operation.
11. Always turn off the air supply and disconnect the air hose before changing driving bit or making adjustments on the tool.
12. Release the throttle lever/trigger to avoid danger if there's a failure of energy supply and when connecting or disconnecting the air hose.
13. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
14. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
15. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
16. Always use caution when operating this tool to prevent injury.
17. Avoid storing this tool where it is subject to high humidity.

Maintenance:

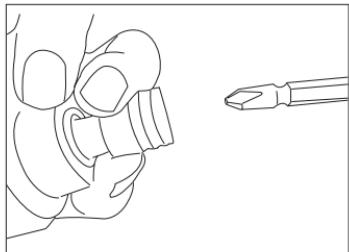
1. Before connecting the air hose to this tool or after operating, apply 4 or 5 drops of pneumatic oil into the air inlet and run it for several seconds, referring this operation to the attached picture.
2. Maintain this tool regularly by performing the same oiling application every 3 to 4 hours of operation.
3. Do not lubricate tools with flammable or volatile liquids. Use only the lubricant recommended by Mighty-Seven or authorized dealers. Any other lubricant will lead to reduce performance of the tool and permanent damage. Whenever any unauthorized lubricant is used by accident, flush it immediately with recommended pneumatic oil.
4. Follow all the recycling laws of waste disposal once this tool is no longer usable



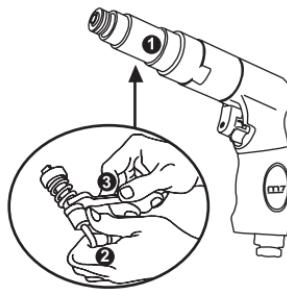
Regular maintenance

Bit holding mechanism, type B:

The retainer should be pushed out prior to inserting or removing the bit from the tool. This mechanism is used on RA-105, RA-201, RA-301 & RA-302 & RA-801 & RA-802



Appendix: Torque adjustment procedure for air screw driver RA-301 & RA-302 & RA-801 & RA-802



1. Take the clutch housing #41 apart by turning it clockwise.
2. Insert a 6mm hex wrench into the cam spindle #32.
3. Use the 17mm spanner to tighten or loosen the adjusting nut #39.
4. The tighter the spring #37 is, the higher the torque will be. The looser the spring #37 is, the lower the torque will be.
5. Apply some grease to the parts when adjusting the torque prior to assembling.

Item No.	Chuck Size (Hex) inch	Working Torque Range FT-LB	Free Speed bpm	Ave. Air Consumption CFM	Air Pressure PSI	Overall Length inch	Net Weight LBS	Air Hose inch	Sound Pressure dBA	Vibration level m/s ²
Illustrator										
RA-505	1/4"	5~45	11000	1.8	90	6-5/16"	1.54	3/8"	74.0	3.3

Uncertainty K=0.5a if a ≤ 5 m/s² or K=0.4a if a>5 m/s²

	Taille de la clé (Hexagona) inch	Couple d'utilisation Nm	Vitesse à vide R.P.M	Cons. D'air moyenne L/min	Pression bar	Longueur mm	Poids kg	Tuyau d'air mm	Niveau sonore dBA	Niveau de vibration m/s ²
Illustrator										
RA-505	1/4"	6~61	11000	51	6.3	161	0.7	10	74.0	3.3

Incertitude K=0.5a si a ≤ 5 m/s² ou K=0.4a si a>5 m/s²

	Spannfutter (Sechskant) mm	Drehmoment Nm	Leerlauf Drehzahl R.P.M	Luftverbrauch L/min	Arbeitsdruck bar	Gesamtlänge mm	Nettogewicht kg	Empf. Luftschlauch mm	Schalldruckpegel dBA	Vibrationsniveau m/s ²
Illustrator										
RA-505	6.35	6~61	11000	51	6.3	161	0.7	10	74.0	3.3

Unsicherheit K = 0.5, wenn ein a ≤ 5 m/s² oder K = 0.4a, wenn a>5 m / s²

Modelo	Tamaño Portapunta (Hex) inch	Rango de Torque de trabajo FT-LB	Velocidad libre R.P.M	Consumo de Aire Promedio L/min	Presión de Aire bar	Longitud Total mm	Peso Neto kg	Manguera de Aire mm	Presión Sonora dBA	Nivel de vibración m/s ²
Illustrator										
RA-505	1/4"	5~45	11000	51	6.3	161	0.7	10	74.0	3.3

variable K=0.5a si a ≤ 5 m/s² ó K=0.4a si a>5 m/s²

Código	Sextavado interno do porta bit inch	Faixa de torque de trabalho Nm	Velocidade Livre R.P.M	Consumo de Ar Pressão de operação L/min	Comprimento Total PSI	Longitud Total mm	Peso kg	Diámetro interno da mangueira inch	Nível de ruído dBA	Nível de vibração m/s ²
Illustrator										
RA-505	1/4"	6 a 61	11000	51	90	161	0.7	3/8"	74.0	3.3

Incerteza K=0.05a se a ≤ 5 m/s² ou K=0.4a se a > 5 m/s²

Apt No.	Макс. Диаметр патрона mm	Макс. Усилие Nm	Скорость свободн. Вращения R.P.M	Среднее потребл. воздуха L/min	Рабочее давление воздуха bar	Общая длина mm	Вес kg	Миним. Внутр. Диам. шланга mm	Уровень шума dBA	Уровень вибрации m/s ²
Illustrator										
RA-505	6.35	6 ~ 61	11000	51	6.3	161	0.7	10	74.0	3.3

Погрешность K=0.5a, если a ≤ 5 m/s² или K=0.4a если a>5 m/s²



EC DECLARATION OF CONFORMITY

Original Language

Serial Number: Please refer to the tool

Air Impact Wrench Item No.: NC-2210

Air Die Grinders Item No.: QA-651

Air Polisher Item No.: QP-212 QP-213 QP-223

Air Drills Item No.: QE-323

Air Screwdriver Item No.: RA-505

6.3 bar (90 .psi)



We declare under our own responsibility that the above machinery fulfils all the relevant provisions of (MD) Machinery Directive 2006/42/EC and its amendment and is manufactured and tested according to the following standards:

EN ISO 11148-6 / EN ISO 15744 / EN ISO 28927-2 (**Air Impact Wrench**)

EN ISO 11148-9 / EN ISO 15744 / EN ISO 28927-2 (**Air Die Grinders**)

EN ISO 11148-8 / EN ISO 15744 / EN ISO 28927-3 (**Air Polisher**)

EN ISO 11148-3 / EN ISO 15744 / EN ISO 28927-5 (**Air Drills**)

EN 792-6 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-7 (**Air Screwdriver**)

Declared in: Taichung, Taiwan

Dated:2016/03/01

Signature

Jonney Chen

Declared by: QA Manager

Manufacturer:

Mighty Seven International Co., Ltd.

No. 70-25,Ching Qunag Rd., Wu-Jih Dist,

Taichung City, 41466 Taiwan

www.mighty-seven.com

Authorized contact, to compile the technical files :

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3 Rue des imprimeurs ZI République Nord 1.

86000 POITIERS FRANCE

TEL : (+33) 5-49-30-30-90

E-MAIL : christian.aubineau@kingtony.eu



EC-DECLARATION DE CONFORMITE

traduit de la langue originale

Numéro de série : se référer au numéro inscrit sur la machine

Clé à chocs Référence: NC-2210

Meuleuse droite Référence: QA-651

Polisseuse Pneumatique Référence: QQP-212 QP-213 QP-223

Perceuse pneumatique Référence: QE-323

Tournevis pneumatique Référence: RA-505

6.3 bar (90 .psi)



Nous déclarons sous notre propre responsabilité que les outils sus mentionnés sont conforme aux provisions relative à la directive outillage 2006/42/EC et ses amendements et qu'ils ont été fabriqués et testés selon les standards suivants :

EN ISO 11148-6 / EN ISO 15744 / EN ISO 28927-2 (Clé à chocs)

EN ISO 11148-9 / EN ISO 15744 / EN ISO 28927-2 (Meuleuse droite)

EN ISO 11148-8 / EN ISO 15744 / EN ISO 28927-3 (Polisseuse Pneumatique)

EN ISO 11148-3 / EN ISO 15744 / EN ISO 28927-5 (Perceuse pneumatique)

EN 792-6 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-7 (Tournevis pneumatique)

Déclaré à: Taichung, Taiwan

Date: 2016/03/01

Signature

Jonney Chen

Declared by: QA Manager

Fabricant:

Mighty Seven International Co., Ltd.

No. 70-25,Ching Qunag Rd., Wu-Jih

Dist, Taichung City, 41466 Taiwan

www.mighty-seven.com

Personne autorisée pour établir les fiches techniques:

King Tony France

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FRANCE

TEL : (+33) 5-49-30-30-90

E-MAIL : christian.aubineau@kingtony.eu



EG-Konformitätserklärung

Übersetzung aus der Original-Sprache

Seriennummer: bitte bei Frage immer angeben!

Druckluft-Schlagschrauber Artikel-Nr. NC-2210

Druckluft-Stabschleifer Artikel-Nr. QA-651

Druckluft-Polierer Artikel-Nr. QP-212 QP-213 QP-223

Druckluft-Bohrmaschine Artikel-Nr.: QE-323

Druckluft-Drehschrauber Artikel-Nr. RA-505

6.3 bar (90 .psi)



Wir erklären in eigener Verantwortung, dass folgendes Produkt alle einschlägigen Bestimmungen der Maschinen-Richtlinie 2006/42/EC erfüllt und deren

Änderungen, und dass es hergestellt wird und nach den folgenden Normen geprüft wird:

EN ISO 11148-6 / EN ISO 15744 / EN ISO 28927-2 (**Druckluft-Schlagschrauber**)

EN ISO 11148-9 / EN ISO 15744 / EN ISO 28927-2 (**Druckluft-Stabschleifer**)

EN ISO 11148-8 / EN ISO 15744 / EN ISO 28927-3 (**Druckluft-Polierer**)

EN ISO 11148-3 / EN ISO 15744 / EN ISO 28927-5 (**Druckluft-Bohrmaschine**)

EN 792-6 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-7 (**Druckluft-Drehschrauber**)

Erklärt in: Taichung, Taiwan

Datum: 2016/03/01

Unterschrift:

Jonney Chen

Jonney Chen

Erklärt von: QA Manager

Der Hersteller:

Mighty Seven International Co., Ltd.

No. 70-25, Ching Qunag Rd., Wu-Jih Dist,

Taichung City, 41466 Taiwan

www.mighty-seven.com

Autorisierte Person, die zur Erstellung des technischen

Dossiers ist :

King Tony France

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86000 POITIERS FRANCE

TEL : (+33) 5-49-30-30-90

E-MAIL : christian.aubineau@kingtony.eu



DECLARACIÓN DE CONFORMIDAD DE EC

Traducción del lenguaje original

Número de serie: por favor ver la herramienta

Llave de Impacto Neumática Modelo : NC-2210

Esmeriladora Neumática Recta Modelo : QA-651

Lijadora Neumática Modelo : QP-212 QP-213 QP-223

Taladro neumático Modelo : QE-323

Atornilladora Neumática Modelo : RA-505

6.3 bar (90 .psi)



Declaramos bajo nuestra propia responsabilidad que la maquinaria arriba mencionada cumple con todas las provisiones relevantes de la Directiva de Maquinaria 2006/42/EC y sus enmiendas y ha sido fabricado y probado de acuerdo a los siguientes estándares:

EN ISO 11148-6 / EN ISO 15744 / EN ISO 28927-2 (**Llave de Impacto Neumática**)

EN ISO 11148-9 / EN ISO 15744 / EN ISO 28927-2 (**Esmeriladora Neumática Recta**)

EN ISO 11148-8 / EN ISO 15744 / EN ISO 28927-3 (**Lijadora Neumática**)

EN ISO 11148-3 / EN ISO 15744 / EN ISO 28927-5 (**Taladro neumático**)

EN 792-6 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-7 (**Atornilladora Neumática**)

Declarado en: Taichung, Taiwan

Fecha: 2016/03/01

Firma

Jonney Chen

Jonney Chen

Declarado por: Gerente de Control de Calidad

Fabricante:

Mighty Seven International Co., Ltd.

No. 70-25,Ching Qunag Rd., Wu-Jih

Dist, Taichung City, 41466 Taiwan

www.mighty-seven.com

o Autorizado, para recopilar los archivos técnicos :

King Tony France

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E-MAIL : christian.aubineau@kingtony.eu



Declaração de Conformidade EC

tradução da língua original

número de série: por favor, procure-o na ferramenta

Chave de impacto pneumática Código: NC-2210

Retífica pneumática Código.: QA-651

Politriz pneumática Código.: QP-212 QP-213 QP-223

Furadeira pneumática Código.: QE-323

Parafusadeira pneumática Código.: RA-505

6.3 bar (90 .psi)



Declaramos bajo nuestra propia responsabilidad que la maquinaria arriba mencionada cumple con todas las provisiones relevantes de la Directiva de Maquinaria 2006/42/EC y sus enmiendas y ha sido fabricado y probado de acuerdo a los siguientes estándares:

EN ISO 11148-6 / EN ISO 15744 / EN ISO 28927-2 (**Chave de impacto pneumática**)

EN ISO 11148-9 / EN ISO 15744 / EN ISO 28927-2 (**Retífica pneumática**)

EN ISO 11148-8 / EN ISO 15744 / EN ISO 28927-3 (**Politriz pneumática**)

EN ISO 11148-3 / EN ISO 15744 / EN ISO 28927-5 (**Furadeira pneumática**)

EN 792-6 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-7 (**Parafusadeira pneumática**)

Declarada em: Taichung, Taiwan
Datada de:2016/03/01

Assinada por
Jonney Chen

Jonney Chen
Declarada pelo Gerente da Qualidade

Fabricante:

Mighty Seven International Co., Ltd.

No. 70-25,Ching Qunag Rd., Wu-Jih

Dist, Taichung City, 41466 Taiwan

www.mighty-seven.com

itato responsável pelas informações técnicas:

King Tony France

3 Rue des imprimeurs Zi République Nord 1. 86000 POITIERS

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Декларация соответствия стандарту ЕС

Перевод с языка оригинала

серийный номер: смотрите на инструменте

Пневмогайковерт ударный Арт No.: NC-2210

Бормашина пневматическая Арт No.: QA-651

Шлифмашинка пневматическая Арт No.: QP-212 QP-213 QP-223

Дрель пневматическая Арт No.: QE-323

Отвертка пневматическая Арт No.: RA-505

6.3 bar (90 .psi)



Мы удостоверяем, что данное оборудование соответствует следующим нормам качества 2006/42/ЕС и все технологические изменения конструкции и производства были подвергнуты испытаниям и сертифицированы по следующим стандартам качества:

EN ISO 11148-6 / EN ISO 15744 / EN ISO 28927-2 (**Пневмогайковерт ударный**)

EN ISO 11148-9 / EN ISO 15744 / EN ISO 28927-2 (**Бормашина пневматическая**)

EN ISO 11148-8 / EN ISO 15744 / EN ISO 28927-3 (**Шлифмашинка пневматическая**)

EN ISO 11148-3 / EN ISO 15744 / EN ISO 28927-5 (**Дрель пневматическая**)

EN 792-6 / EN ISO 15744 / EN 28662-1 and EN ISO 8662-7 (**Отвертка пневматическая**)

Удостоверено в: Taichung, Taiwan

Дата: 2016/03/01

Подпись

Jonney Chen

Начальник службы технического контроля

Производитель

Mighty Seven International Co., Ltd.

No. 70-25,Ching Qunag Rd., Wu-Jih

Dist, Taichung City, 41466 Taiwan

www.mighty-seven.com

альный представитель, представляющий

техническую документацию

King Tony France

3 Rue des imprimeurs Zi République Nord 1. 86000 POITIERS

FRANCE

TEL : (+33) 5-49-30-30-90

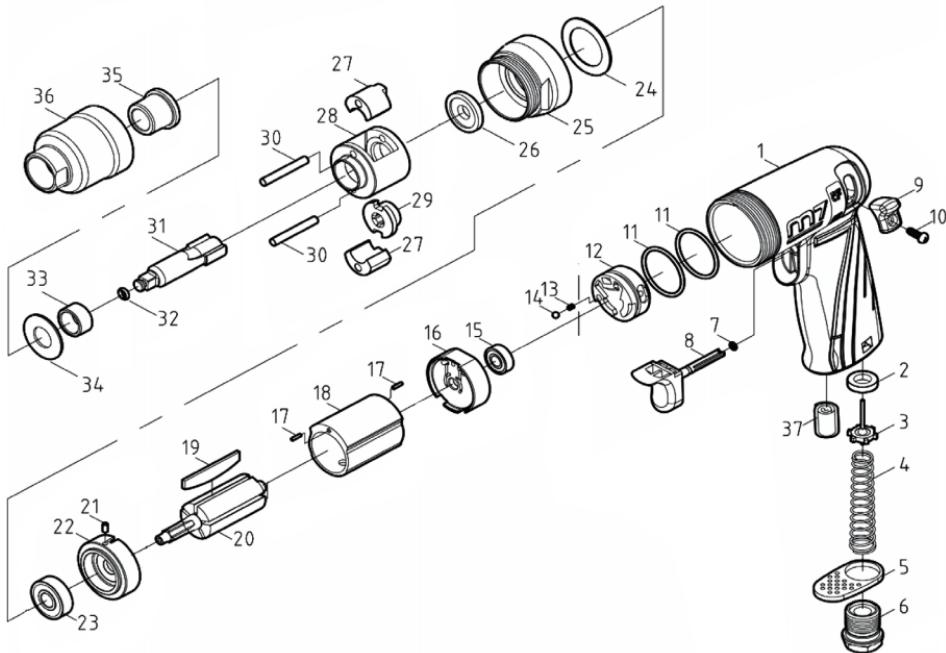
E-MAIL : christian.aubineau@kingtony.eu

ce



1/4" Air Impact Wrench

Item No : NC-2210



Part List

Twin Dog Type

NC-2210



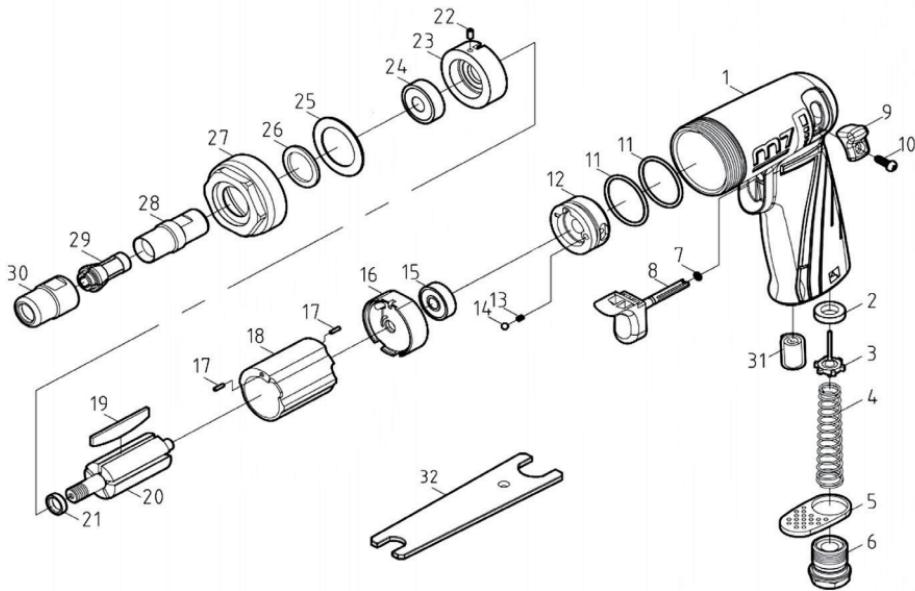
NO.	Part No.	Description	Q'TY
1	NC-2210P01	Housing	1
2	NC-2210P02	Oil Seal	1
3	NC-2210P03	Pin Valve Rod	1
4	NC-2210P04	Cone Spring	1
5	NC-2210P05	Exhaust Deflector	1
6	NC-2210P06A	Air Inlet, 19PT	1
	NC-2210P06B	Air Inlet, 18NPT	1
7	NC-2210P07	O-Ring	1
8	NC-2210P08	Trigger	1
9	NC-2210P09	Reverse Lever	1
10	NC-2210P10	Screw	1
11	NC-2210T11	O-Ring (2 pcs)	1 SET
12	NC-2210P12	Rear Plate Spacer	1
13	NC-2210P13	Spring	1
14	NC-2210P14	Steel Ball	1
15	NC-2210P15	Ball Bearing	1
16	NC-2210P16	Rear Plate	1
17	NC-2210T17	Spring Pin (2 pcs)	1 SET
18	NC-2210P18	Cylinder	1
19	NC-2210T19	Rotor Blade (5 pcs)	1 SET
20	NC-2210P20	Rotor	1
21	NC-2210P21	Spring Pin	1
22	NC-2210P22	Front Plate	1
23	NC-2210P23	Ball Bearing	1
24	NC-2210P24	Washer	1

NO.	Part No.	Description	Q'TY
25	NC-2210P25	Cylinder Set Screw	1
26	NC-2210P26	Anvil Rear Spacer	1
27	NC-2210T27	Hammer (2 pcs)	1 SET
28	NC-2210P28	Hammer Cage	1
29	NC-2210P29	Hammer Cam	1
30	NC-2210T30	Hammer Pin (2 pcs)	1 SET
31	NC-2210P31	1/4" Dr. Anvil	1
32	NC-2210P32	Anvil Collar	1
33	NC-2210P33	Bushing	1
34	NC-2210P34	Anvil Front Spacer	1
35	NC-2210P35	Bushing	1
36	NC-2210P36	Front Casing	1
37	NC-2210P37	Muffler Filter	1



Air Die Grinder

Item No : QA-651



Part List

QA-651

CE

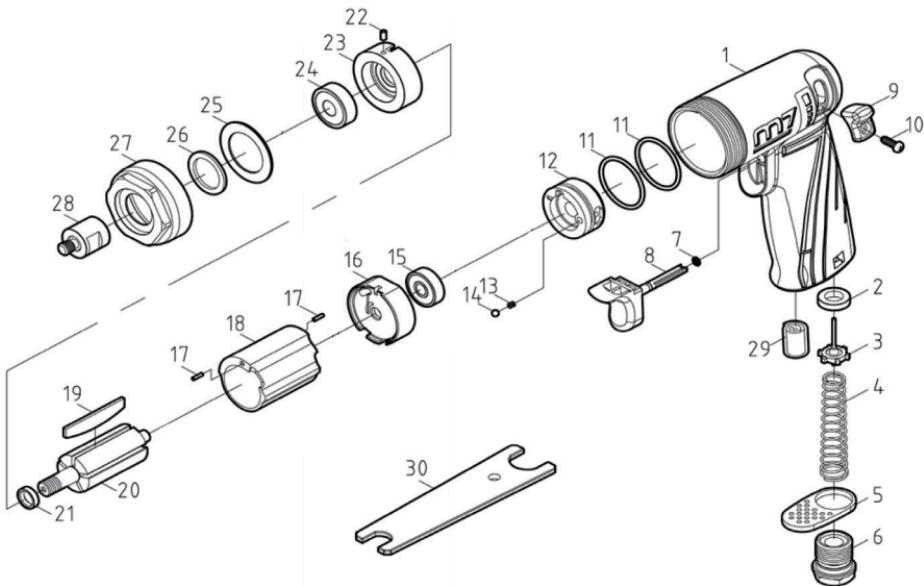
NO.	Part No.	Description	Q'TY
1	QA-651P01	Housing	1
2	QA-651P02	Oil Seal	1
3	QA-651P03	Pin Valve Rod	1
4	QA-651P04	Cone Spring	1
5	QA-651P05	Exhaust Deflector	1
6	QA-651P06A	Air Inlet, 19PT	1
	QA-651P06B	Air Inlet, 18NPT	1
7	QA-651P07	O-Ring	1
8	QA-651P08	Trigger	1
9	QA-651P09	Reverse Lever	1
10	QA-651P10	Screw	1
11	QA-651T11	O-Ring (2 pcs)	1 SET
12	QA-651P12	Rear Plate Spacer	1
13	QA-651P13	Spring	1
14	QA-651P14	Steel Ball	1
15	QA-651P15	Ball Bearing	1
16	QA-651P16	Rear Plate	1
17	QA-651T17	Spring Pin (2 pcs)	1 SET
18	QA-651P18	Cylinder	1
19	QA-651T19	Rotor Blade (2 pcs)	1 SET
20	QA-651P20	Rotor	1
21	QA-651P21	Washer	1
22	QA-651P22	Spring Pin	1
23	QA-651P23	Front Plate	1
24	QA-651P24	Ball Bearing	1

NO.	Part No.	Description	Q'TY
25	QA-651P25	Washer	1
26	QA-651P26	Felt	1
27	QA-651P27	Front Casing	1
28	QA-651P28	Inner Ring	1
29	QA-651P29	Chuck	1
30	QA-651P30	Lock Nut	1
31	QA-651P31	Muffler Filter	1
32	QA-651T32	Wrench (2 pcs)	1 SET



Air High Speed Sander

Item No : QP-212



Part List

QP-212

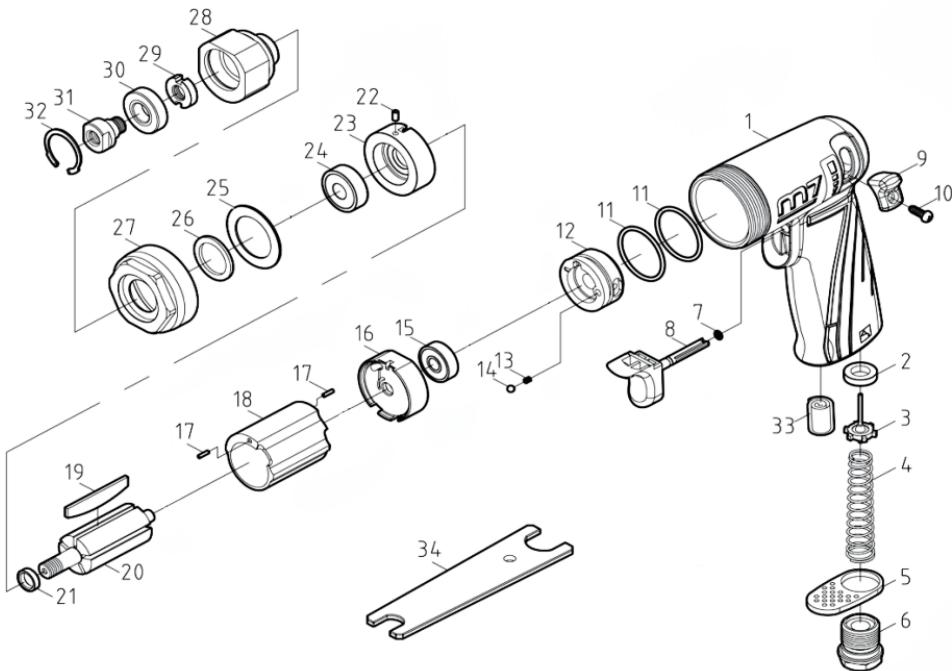


NO.	Part No.	Description	Q'TY
1	QP-212P01	Housing	1
2	QP-212P02	Oil Seal	1
3	QP-212P03	Pin Valve Rod	1
4	QP-212P04	Cone Spring	1
5	QP-212P05	Exhaust Deflector	1
6	QP-212P06A	Air Inlet, 19PT	1
	QP-212P06B	Air Inlet, 18NPT	1
7	QP-212P07	O-Ring	1
8	QP-212P08	Trigger	1
9	QP-212P09	Reverse Lever	1
10	QP-212P10	Screw	1
11	QP-212T11	O-Ring (2 pcs)	1 SET
12	QP-212P12	Rear Plate Spacer	1
13	QP-212P13	Spring	1
14	QP-212P14	Steel Ball	1
15	QP-212P15	Ball Bearing	1
16	QP-212P16	Rear Plate	1
17	QP-212T17	Spring Pin (2 pcs)	1 SET
18	QP-212P18	Cylinder	1
19	QP-212T19	Rotor Blade (5 pcs)	1 SET
20	QP-212P20	Rotor	1
21	QP-212P21	Washer	1
22	QP-212P22	Spring Pin	1
23	QP-212P23	Front Plate	1
24	QP-212P24	Ball Bearing	1

NO.	Part No.	Description	Q'TY
25	QP-212P25	Washer	1
26	QP-212P26	Felt	1
27	QP-212P27	Front Casing	1
28	QP-212P28	Anvil	1
29	QP-212P29	Muffler Filter	1
30	QP-212P30	Wrench	1



**Air mini Sander
Item No : QP-213**



Part List

QP-213



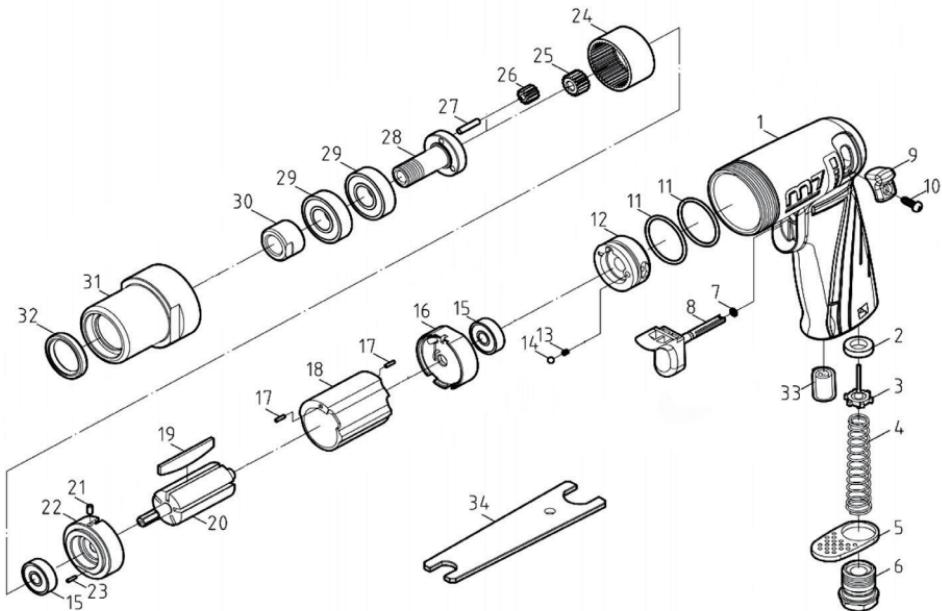
NO.	Part No.	Description	Q'TY
1	QP-213P01	Housing	1
2	QP-213P02	Oil Seal	1
3	QP-213P03	Pin Valve Rod	1
4	QP-213P04	Cone Spring	1
5	QP-213P05	Exhaust Deflector	1
6	QP-213P06A	Air Inlet, 19PT	1
	QP-213P06B	Air Inlet, 18NPT	1
7	QP-213P07	O-Ring	1
8	QP-213P08	Trigger	1
9	QP-213P09	Reverse Lever	1
10	QP-213P10	Screw	1
11	QP-213T11	O-Ring (2 pcs)	1 SET
12	QP-213P12	Rear Plate Spacer	1
13	QP-213P13	Spring	1
14	QP-213P14	Steel Ball	1
15	QP-213P15	Ball Bearing	1
16	QP-213P16	Rear Plate	1
17	QP-213T17	Spring Pin (2 pcs)	1 SET
18	QP-213P18	Cylinder	1
19	QP-213T19	Rotor Blade (5 pcs)	1 SET
20	QP-213P20	Rotor	1
21	QP-213P21	Washer	1
22	QP-213P22	Spring Pin	1
23	QP-213P23	Front Plate	1
24	QP-213P24	Ball Bearing	1

NO.	Part No.	Description	Q'TY
25	QP-213P25	Washer	1
26	QP-213P26	Felt	1
27	QP-213P27	Front Casing	1
28	QP-213P28	Eccentric Shaft	1
29	QP-213P29	Lock Nut	1
30	QP-213P30	Ball Bearing	1
31	QP-213P31	Anvil	1
32	QP-213P32	Retaining Ring	1
33	QP-213P33	Muffler Filter	1
34	QP-213P34	Wrench(2pcs)	1set



Air mini Polisher

Item No : QP-223



Part List

QP-223



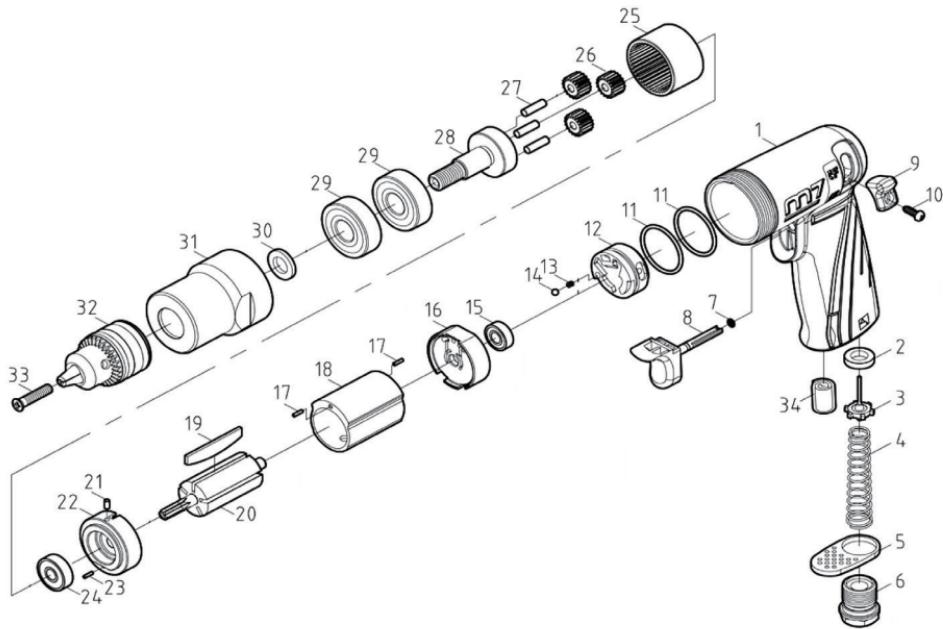
NO.	Part No.	Description	Q'TY
1	QP-223P01	Housing	1
2	QP-223P02	Oil Seal	1
3	QP-223P03	Pin Valve Rod	1
4	QP-223P04	Cone Spring	1
5	QP-223P05	Exhaust Deflector	1
6	QP-223P06A	Air Inlet, 19PT	1
	QP-223P06B	Air Inlet, 18NPT	1
7	QP-223P07	O-Ring	1
8	QP-223P08	Trigger	1
9	QP-223P09	Reverse Lever	1
10	QP-223P10	Screw	1
11	QP-223T11	O-Ring (2 pcs)	1 SET
12	QP-223P12	Rear Plate Spacer	1
13	QP-223P13	Spring	1
14	QP-223P14	Steel Ball	1
15	QP-223T15	Ball Bearing (2 pcs)	1 SET
16	QP-223P16	Rear Plate	1
17	QP-223T17	Spring Pin (2 pcs)	1 SET
18	QP-223P18	Cylinder	1
19	QP-223T19	Rotor Blade (5 pcs)	1 SET
20	QP-223P20	Rotor	1
21	QP-223P21	Spring Pin	1
22	QP-223P22	Front Plate	1
23	QP-223P23	Pin	1
24	QP-223P24	Internal Gear	1

NO.	Part No.	Description	Q'TY
25	QP-223P25	Gear	1
26	QP-223T26	Gear (3 pcs)	1 SET
27	QP-223T27	Pin (3 pcs)	1 SET
28	QP-223P28	Gear Carrier	1
29	QP-223T29	Ball Bearing (2 pcs)	1 SET
30	QP-223P30	Lock Nut	1
31	QP-223P31	Front Casing	1
32	QP-223P32	Oil Seal	1
33	QP-223P33	Muffler Filter	1
34	QP-223P34	Wrench	1



Air Reversible Drill

Item No : QE-323



Part List

QE-323



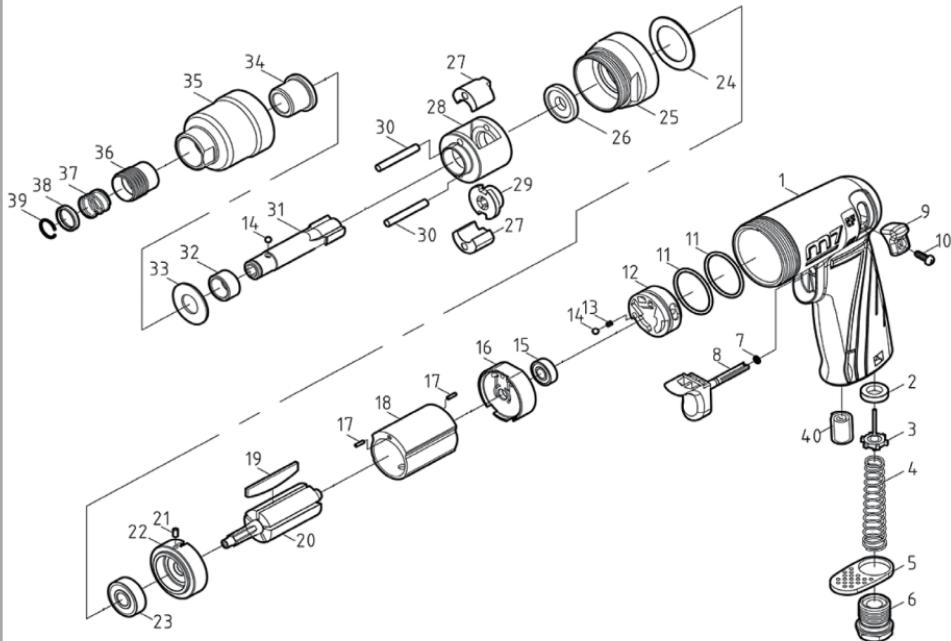
NO.	Part No.	Description	Q'TY
1	QE-323P01	Housing	1
2	QE-323P02	Oil Seal	1
3	QE-323P03	Pin Valve Rod	1
4	QE-323P04	Cone Spring	1
5	QE-323P05	Exhaust Deflector	1
6	QE-323P06A	Air Inlet, 19PT	1
	QE-323P06B	Air Inlet, 18NPT	1
7	QE-323P07	O-Ring	1
8	QE-323P08	Trigger	1
9	QE-323P09	Reverse Lever	1
10	QE-323P10	Screw	1
11	QE-323T11	O-Ring (2 pcs)	1 SET
12	QE-323P12	Rear Plate Spacer	1
13	QE-323P13	Spring	1
14	QE-323P14	Steel Ball	1
15	QE-323P15	Ball Bearing	1
16	QE-323P16	Rear Plate	1
17	QE-323T17	Spring Pin (2 pcs)	1 SET
18	QE-323P18	Cylinder	1
19	QE-323T19	Rotor Blade (5 pcs)	1 SET
20	QE-323P20	Rotor	1
21	QE-323P21	Spring Pin	1
22	QE-323P22	Front Plate	1
23	QE-323P23	Pin	1
24	QE-323P24	Ball Bearing	1

NO.	Part No.	Description	Q'TY
25	QE-323P25	Internal Gear	1
26	QE-323T26	Gear (3 pcs)	1 SET
27	QE-323T27	Pin (3 pcs)	1 SET
28	QE-323P28	Gear Carrier	1
29	QE-323T29	Ball Bearing (2 pcs)	1 SET
30	QE-323P30	Washer	1
31	QE-323P31	Front Casing	1
32	QE-323P32	Chuck	1
33	QE-323P33	Screw	1
34	QE-323P34	Muffler Filter	1



Air Screwdriver

Item No : RA-505



Part List

Twin Dog Type

RA-505



NO.	Part No.	Description	Q'TY
1	RA-505P01	Housing	1
2	RA-505P02	Oil Seal	1
3	RA-505P03	Pin Valve Rod	1
4	RA-505P04	Cone Spring	1
5	RA-505P05	Exhaust Deflector	1
6	RA-505P06A	Air Inlet, 19PT	1
	RA-505P06B	Air Inlet, 18NPT	1
7	RA-505P07	O-Ring	1
8	RA-505P08	Trigger	1
9	RA-505P09	Reverse Lever	1
10	RA-505P10	Screw	1
11	RA-505T11	O-Ring (2 pcs)	1 SET
12	RA-505P12	Rear Plate Spacer	1
13	RA-505P13	Spring	1
14	RA-505T14	Steel Ball (2 pcs)	1 SET
15	RA-505P15	Ball Bearing	1
16	RA-505P16	Rear Plate	1
17	RA-505T17	Spring Pin (2 pcs)	1 SET
18	RA-505P18	Cylinder	1
19	RA-505T19	Rotor Blade (5 pcs)	1 SET
20	RA-505P20	Rotor	1
21	RA-505P21	Spring Pin	1
22	RA-505P22	Front Plate	1
23	RA-505P23	Ball Bearing	1
24	RA-505P24	Washer	1

NO.	Part No.	Description	Q'TY
25	RA-505P25	Cylinder Set Screw	1
26	RA-505P26	Anvil Rear Spacer	1
27	RA-505T27	Hammer (2 pcs)	1 SET
28	RA-505P28	Hammer Cage	1
29	RA-505P29	Hammer Cam	1
30	RA-505T30	Hammer Pin (2 pcs)	1 SET
31	RA-505P31	Anvil	1
32	RA-505P32	Bushing	1
33	RA-505P33	Anvil Front Spacer	1
34	RA-505P34	Bushing	1
35	RA-505P35	Front Casing	1
36	RA-505P36	Bit Sleeve	1
37	RA-505P37	Spring	1
38	RA-505P38	Bushing	1
39	RA-505P39	Snap Ring	1
40	RA-505P40	Muffler Filter	1

Warranty Card

Manufacturer's limited warranty

Mighty Seven International CO., LTD. offers limited warranty to the products manufactured by **Mighty Seven** and sold by its worldwide authorized dealers. The limited warranty only applies to products that are defective in material and workmanship and does not apply to products which have been abused, misused, modified, or repaired by someone other than **Mighty Seven** or its authorized service representatives. If there is a defective product of **Mighty Seven**, please send it prepaid to the dealer where it was purchased from along with address and contact information. Repairs or replacements are warranted as described above; otherwise, the service of repairs or replacements will be charged.

Please Keep This card For Warranty

Date of Purchase :	Model No. :
Warranty Expiration Date :	Serial No. :

Distributor Stamp





Warranty Card

Date of Purchase :	Model No. :
Warranty Expiration Date :	Serial No. :
Name :	
Company Name :	
Address :	
Tel. :	Fax. :
E-mail :	
Type of Business : <ul style="list-style-type: none"> <input type="checkbox"/> Agriculture <input type="checkbox"/> General Auto Repair <input type="checkbox"/> Tire <input type="checkbox"/> Truck Maintenance/Repair <input type="checkbox"/> Car Maker <input type="checkbox"/> Paint & Body Repair <input type="checkbox"/> Public Work/Gov. Utilities <input type="checkbox"/> Factory <input type="checkbox"/> Home Use <input type="checkbox"/> Other _____ 	
Specification of compressor used :	
Horsepower : <ul style="list-style-type: none"> <input type="checkbox"/> 5 <input type="checkbox"/> 7.5 <input type="checkbox"/> 10 <input type="checkbox"/> 15+ 	
Tank Size (liter/gal) : <ul style="list-style-type: none"> <input type="checkbox"/> 75.7(20) <input type="checkbox"/> 227.1(60) <input type="checkbox"/> 302.8(80) <input type="checkbox"/> 454.2(120) <input type="checkbox"/> other _____ 	
<input type="checkbox"/> other _____	

Formulaire de garantie

Garantie fabricant

Mighty Seven International CO., LTD offre la garantie fabricant aux produits fabriqués par **Mighty Seven** et vendus par ses distributeurs agréés dans le monde entier. La garantie limitée s'applique seulement aux produits qui sont défectueux et ne s'applique pas aux produits qui ont été mal utilisés, perdus, modifiés ou réparés par quelqu'un d'autre que **Mighty Seven** ou ses services techniques. S'il y a un produit défectueux de **Mighty Seven**, envoyez-le au distributeur où il a été acheté, avec l'adresse et les coordonnées du propriétaire. La réparation ou les remplacements de pièces sont garantis comme décrit ci-dessus; sinon, le service technique factura la réparation au propriétaire du produit.

Remplir le formulaire de garantie

Date d'achat du produit:	Modèle N°:
Date d'expiration de la garantie:	N° de série:

Tampon du distributeur





Pour le distributeur

Formulaire de garantie

Date d'achat du produit:	Modèle N°:		
Date d'expiration de la garantie:	N° de série:		
Nom:			
Nom de la société:			
Adresse:			
Tel. :	Fax.:		
E-mail:			
Type d'activité:			
<input type="checkbox"/> Agricole	<input type="checkbox"/> Carrosserie		
<input type="checkbox"/> Réparations automobile	<input type="checkbox"/> Travaux publics		
<input type="checkbox"/> Pneumatiques	<input type="checkbox"/> Industrie		
<input type="checkbox"/> Maintenances et réparations poids lourd	<input type="checkbox"/> Particulier		
<input type="checkbox"/> Fabricant automobile	<input type="checkbox"/> Autre _____		
Compresseur utilisé:			
Puissance CV:			
<input type="checkbox"/> 5	<input type="checkbox"/> 7,5	<input type="checkbox"/> 10	<input type="checkbox"/> 15+
<input type="checkbox"/> Autre _____			
Taille de la cuve (Litres):			
<input type="checkbox"/> 75,7	<input type="checkbox"/> 227,1	<input type="checkbox"/> 302,8	<input type="checkbox"/> 454,2
<input type="checkbox"/> Autre _____			

Garantiekarte

Herstellergarantie

Mighty Seven International CO., LTD. bietet Kunden die Garantie mit gewisser Beschränkung für alle Produkte, die aus eigener Herstellung stammen und von **Mighty Sevens** weltweit autorisierten Fachhändlern gekauft worden sind. Garantieansprüche können nur gewährt werden, wenn der Mangel oder Schaden nachweislich auf unsachgemäße Herstellung oder die Verwendung fehlerhafter Materialien zurückzuführen ist. **Mighty Seven** haftet nicht für Beanstandungen der Werkzeuge, die auf unsachgemäße Handhabung, sowie zu hohen Betriebsdruck, oder der Verwendung von falschen Zubehörteilen zurückzuführen sind. Mighty Seven schuldet auch nicht für Ausfälle, die die mangelhafte Wartung und Überbeanspruchung der Werkzeuge nachweisen.

Garantieansprüche können nur dem Hersteller oder den autorisierten Fachhändlern gegenüber schriftlich geltend gemacht werden. Im Fall einer Reklamation sollen die defekten Teile mit der Kontaktanschrift des Absenders zurück an die Verkaufsstelle gesendet werden.. Für die Werkzeuge, an denen eigenhändige Reparaturversuche bereits vorgenommen wurde, entfällt jeglicher Garantieanspruch.

Bitte diese Garantiekarte aufbewahren!

Einkaufsdatum:	Model-Nr.:
Garantieablaufdatum:	Serien-Nr.:

Ihre Mighty Seven Fachhändler





Für Großhändler

Garantiekarte

Einkaufsdatum:	Model-Nr.:
Garantieablaufdatum:	Serien-Nr.:
Name:	
Firmenname:	
Adresse:	
Tel.:	Fax.:
Email:	
Branche:	
<input type="checkbox"/> Agrarindustrie: <input type="checkbox"/> Auto-Karosserie und Lackierer	
<input type="checkbox"/> Allg. KFZ-Reparaturdienst <input type="checkbox"/> für Öffentlichkeitsarbeit	
<input type="checkbox"/> Reifenservice <input type="checkbox"/> Produktion	
<input type="checkbox"/> Nutzfahrzeug-LKW-Service <input type="checkbox"/> Heimwerk	
<input type="checkbox"/> Autohersteller <input type="checkbox"/> Sonstiges _____	
Spezifikation des verwendeten Kompressors:	
Psi (bar):	
<input type="checkbox"/> 5 <input type="checkbox"/> 7,5 <input type="checkbox"/> 10 <input type="checkbox"/> 15+	
<input type="checkbox"/> Sonstiges _____	
Luftbehälter (Liter):	
<input type="checkbox"/> 75,7 <input type="checkbox"/> 227,1 <input type="checkbox"/> 302,8 <input type="checkbox"/> 454,2	
<input type="checkbox"/> Sonstiges _____	

Tarjeta de Garantía

Garantía Limitada del Fabricante

Mighty Seven International CO., LTD. ofrece una garantía limitada a los productos fabricados por **Mighty Seven** y vendidos por sus agentes autorizados a nivel internacional. La garantía limitada sólo aplica a defectos de material o manufactura y no aplica a productos que hayan sido abusados, malusados, modificados o reparados por terceros ajenos a **Mighty Seven** o sus representantes de servicio autorizados. Si hubiera un defecto en un producto de Mighty Seven , por favor enviarlo prepagado al lugar donde fue comprado adjuntando su dirección e información de contacto. Las reparaciones o reemplazos son garantizados en los casos arriba explicados; de lo contrario las reparaciones o reemplazos tendrán un costo que deberá ser pagado por el cliente.

Por favor conservar esta tarjeta para Garantía

Fecha de Compra :	Modelo No. :
Fecha de fin de Garantía :	No. de Serie :

Sello del Distribuidor





Para Distribuidor

Tarjeta de Garantía

Fecha de Compra :	Modelo No. :
Fecha de fin de Garantía :	No. de Serie :
Nombre :	
Nombre de la Empresa :	
Dirección :	
Tel.:	Fax.:
Email:	
Tipo de Negocio :	
<input type="checkbox"/> Agricultura <input type="checkbox"/> Pintura y reparación carrocería <input type="checkbox"/> Reparación Gral. Autos <input type="checkbox"/> Trabajo público / Gobierno <input type="checkbox"/> Llantas <input type="checkbox"/> Fábrica <input type="checkbox"/> Reparación/mant.camiones <input type="checkbox"/> Uso Casero <input type="checkbox"/> Fabricante de Autos <input type="checkbox"/> Otros _____	
Especificaciones de la compresora usada:	
Potencia (HP) :	
<input type="checkbox"/> 5 <input type="checkbox"/> 7,5 <input type="checkbox"/> 10 <input type="checkbox"/> 15+ <input type="checkbox"/> Otros _____	
Tamaño de tanque (litro) :	
<input type="checkbox"/> 75,7 <input type="checkbox"/> 227,1 <input type="checkbox"/> 302,8 <input type="checkbox"/> 454,2 <input type="checkbox"/> Otros _____	

Cartão de garantia

Garantia limitada de fabricante

A **Mighty Mighty Seven International CO., LTD** oferece garantia limitada aos produtos por ela fabricados e vendidos globalmente por seus distribuidores autorizados. A garantia limitada aplica-se somente aos produtos que apresentarem defeitos de material ou manufatura, não cobrindo, portanto, produtos que forem usados incorretamente, danificados, modificados ou reparados por outros que não a própria **Mighty Seven** International ou seus distribuidores autorizados. Se houver um produto **Mighty Seven** defeituoso, por favor, envie-o com frete pago para o distribuidor onde ele foi comprado, incluindo no pacote informações para contato e endereço para devolução. Reparos ou trocas em garantia serão oferecidos conforme condições acima descritas. Nos demais casos peças e mão-de-obra serão cobrados.

Por favor, guarde este cartão para fins de garantia.

Data da compra:	Modelo:
Garantia válida até:	Nº de série:

Carimbo do distribuidor





Distribuidor

Cartão de garantia

Data da compra:	Modelo:		
Garantia válida até:	Nº de série:		
Nome:			
Nome da empresa:			
Endereço:			
Tel. :	Fax.:		
E-mail:			
Ramo de negócio:			
<input type="checkbox"/> Agricultura	<input type="checkbox"/> Funilaria e pintura		
<input type="checkbox"/> Reparação automotiva	<input type="checkbox"/> Órgão público		
<input type="checkbox"/> Troca de pneus	<input type="checkbox"/> Indústria		
<input type="checkbox"/> Reparação diesel	<input type="checkbox"/> Uso doméstico		
<input type="checkbox"/> Montadoras	<input type="checkbox"/> Outras _____		
Especificações do compressor usado:			
Potência (hp):			
<input type="checkbox"/> 5	<input type="checkbox"/> 7,5	<input type="checkbox"/> 10	<input type="checkbox"/> 15+
<input type="checkbox"/> Outras _____			
Volume do Reservatório (litros):			
<input type="checkbox"/> 75,7	<input type="checkbox"/> 227,1	<input type="checkbox"/> 302,8	<input type="checkbox"/> 454,2
<input type="checkbox"/> Outras _____			

Гарантийный талон

Компания-производитель

«**Mighty Seven International CO., LTD.**» предоставляет ограниченную гарантию на свою продукцию «**Mighty Seven**» сроком 12 месяцев с даты ее продажи потребителю через своих дистрибуторов по всему миру.

Гарантия предполагает бесплатный ремонт или, в случае невозможности ремонта, замену неисправного инструмента «**Mighty Seven**» в соответствии с настоящими условиями:

1. Предоставление правильно заполненного данного Гарантийного Талона.
2. Ремонт или замена производится компанией-продавцом после технической экспертизы продукции. Экспертиза и ремонт производятся в разумные сроки уполномоченными представителями компании.
3. При невозможности замены или ремонта компания-продавец оставляет за собой право возместить стоимость продукции, попадающей под действие настоящих условий, при наличии документа, подтверждающего ее приобретение.

Гарантия не распространяется на инструмент, имеющий следующие признаки:

1. выработка, естественный износ,
2. несанкционированные конструктивные изменения,
3. отсутствие торговой марки «M7» или «Mighty Seven»
4. механические или технические повреждения, вызванные использованием не по назначению или с нарушением правил и норм эксплуатации и хранения.

В случае, если инструмент подлежит гарантии, производится бесплатный ремонт, а в случае его невозможности - бесплатная замена.

В случае, если инструмент не подлежит гарантии, может быть осуществлен ремонт на средства потребителя.

Компания-продавец не дает никаких гарантий, за исключением указанных выше. Все споры и разногласия, возникающие между покупателем и компанией-продавцом, должны решаться в рамках законодательства РФ.

Пожалуйста, сохраняйте гарантийный талон и товарный/кассовый чек в течение всего периода пользования инструментом.

Дата покупки:	Модель №:
Дата истечения гарантии:	Серийный №:

Дистрибутор





Для дистрибутора

Пожалуйста, сохраняйте гарантийный талон и товарный/кассовый чек в течение всего периода пользования инструментом.

Дата покупки:	Модель №:
Дата истечения гарантии:	Серийный №:
ФИО покупателя:	
Название компании:	
Адрес:	
Тел:	Факс:
e-mail:	
Сфера деятельности:	
<input type="checkbox"/> Сельское хозяйство <input type="checkbox"/> Авто покраска и кузовной ремонт <input type="checkbox"/> Авторемонтное предприятие <input type="checkbox"/> Автосервис <input type="checkbox"/> Шиномонтаж <input type="checkbox"/> Производство автомобилей <input type="checkbox"/> Ремонт грузового транспорта <input type="checkbox"/> Частное пользование <input type="checkbox"/> Торговля автомобилями <input type="checkbox"/> Другое _____	
Мощность компрессора, необходимого для данного оборудования:	
кВт (лошадиные силы): <input type="checkbox"/> 5 <input type="checkbox"/> 7,5 <input type="checkbox"/> 10 <input type="checkbox"/> 15+ Объем компрессора: литров (галлонов): <input type="checkbox"/> 75,7 <input type="checkbox"/> 227,1 <input type="checkbox"/> 302,8 <input type="checkbox"/> 454,2	
<input type="checkbox"/> другое _____ <input type="checkbox"/> другое _____	

保固卡

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请妥善保存此保固卡。

购买日：	产品型号：
保固有效期：	产品序号：
经销商章	
 The logo consists of a stylized 'm7' monogram enclosed within a rounded rectangular frame. Below the monogram, the words 'MIGHTY SEVEN' are printed in a bold, sans-serif font, with a registered trademark symbol (®) at the end.	



保固卡

销售日:	产品型号:
保固有效期:	产品序号:
姓名:	
公司名称:	
地址:	
电话:	传真:
电邮:	
通路别:	
<input type="checkbox"/> 农业机械 <input type="checkbox"/> 车体烤漆&维修 <input type="checkbox"/> 一般汽车维修 <input type="checkbox"/> 公共工程/政府公共事业 <input type="checkbox"/> 轮胎 <input type="checkbox"/> 工厂 <input type="checkbox"/> 卡车维修 <input type="checkbox"/> 居家修缮 <input type="checkbox"/> 汽车制造 <input type="checkbox"/> 其它 _____	
所使用的空压机规格:	
马力	贮气槽(gal):
<input type="checkbox"/> 5 <input type="checkbox"/> 7.5 <input type="checkbox"/> 10 <input type="checkbox"/> 15+	<input type="checkbox"/> 20 <input type="checkbox"/> 60 <input type="checkbox"/> 80 <input type="checkbox"/> 120 <input type="checkbox"/> 其它 _____