

WARNING:

- All the pneumatic tools should only be used as hand operated tools. They are powered by compressed air and are not insulated against electric shock.
- Always turn off the air supply and disconnect the air hose before changing or replacing any inserted tool and accessory.
- Before using these tools, make sure that all couplings and plugs are securely fastened. Air hoses which are under pressure may lash out when disconnecting, that can lead to serious injury!
- High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
- Wearing eye/face protection can reduce the danger of high-speed materials being emitted from the tool. Make sure that the direction of the spark generated from the cutting wheel grinding wheel or shank stone is properly directed so as to not create a hazard..
- Always wear gloves to reduce risk
- User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
- Long periods of prolong use will cause fatigue. Periodic breaks are recommended for user safety.
- It is recommended to stop operating the tool whenever discomfort, tingling or pain occurs during use.
- Make sure there is no gas or combustible material stored near the tool when servicing, changing insert tools, or storage.
- Wearing proper breathing protection to avoid inhale dust or handling debris from working process, which can be harmful to the health.





A STRONG BRAND LISTENS TO ITS CUSTOMERS

When we develop products such as our new, extremely small and handy air impact wrench NC-4610, m7 customers are our main driving force and focus. By building trust and excellent communication channels with our partners, distributors and channel customers, we very quickly get to understand what it is that they are looking and what motivates their choice of air tools.

As a designer, manufacturer and distributor of tools, we are just as committed to bringing the most reliable, efficient, ergonomic tools to the market as we are to fulfilling our promise of excellent service and support to our clients.

m7'S SUCCESS IS A TEAM EFFORT!

m7 as it is affectionately called by thousands of users world-wide, is much more than just a good manufacturer of air tools. In fact, m7 provides a total brand solution for its air tool partners and consumers. m7's team is composed of a strong network of International air tool experts and an enthusiastic team of engineers, designers, marketeers and administration personnel.



EXPERTISE FOR A GLOBAL MARKET

m7 clients are very demanding and nothing short of excellence in product quality and fully committed support will do for them. We may sometimes feel that it is a lot to ask of a relatively new brand, but we embrace the challenge with open arms. We have been manufacturing tools for decades and our expertise in that field helps us better understand our clients' needs.

In terms of quality, we ensure that all the m7-branded products that we sell reflect our commitment to providing tools that are extremely reliable and perform. In order to achieve our standards of quality, our tools are tested thoroughly in our factory, using equipment such as computerized fatigue testing machines, digital torque testing machines, multi-functional testing machines, grinding efficiency testers, run-out testers, digital measuring projectors, environmental testing chamber, grinding and polishing machines, infrared tachometers, vibrations testers and decibel level detectors.

LEVEL

As of today, m7 offers a wide Pneumatic product spectrum. And how does m7 know which tools you need ? m7 listens to you.

IDENTIFICATION

CONTENT

- 06 - NEW PRODUCT
- 12 - AIR IMPACT WRENCH
- 18 - AIR RATCHET WRENCH
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- 20 - AIR DIE GRINDER
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LEVEL

The air tools in this section have been categorized into three distinctive levels for user convenience (for reference only).



Efficiency / Performance

Easy to use to handle tasks quickly, these tool embody efficiency and performance.



Strength

Tools provide high torque force, superior grinding power and high cutting energy.



Endurance

Built to last, product longevity and low failure rate are characteristics associated with these tools.

APPLICATION

Application icons have been designed to provide visual references that suggest industry specific features or usability. These application icons are for reference only.



Automotive



Industry



Boat



Motorcycle



Agriculture

GLOBAL EXPANSION

Although we have been in the industry for more than 2 decades, m7 has only existed as a brand for a few short years. Nevertheless, the inroads that we have made in many important markets, such as automotive, have led us to believe that our combination of great partner support and quality air tools is our key to succeeding.

m7 has made its bed and the focus is clearly on providing the right combination of marketing support, customer training and new product development as the way forward. When we print our slogan “greater partner support” we see it not so much as wishful thinking, but more as a m7 “truth”, a code by which we live daily.



m7 training program

NEW PRODUCTS



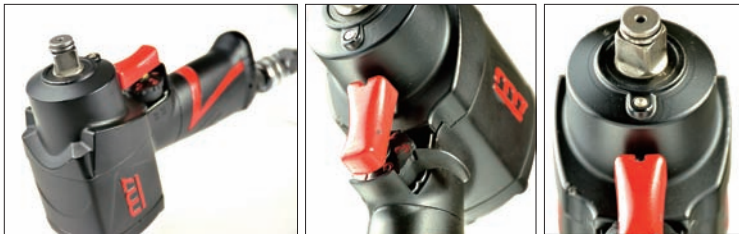
NC-4232Q

1/2" DRIVE
Twin Hammer Type
Air inlet : 1/4"

M7 SHARK+ COMPOSITE



LIGHT-WEIGHT BEYOND YOUR IMAGINATION
One hand operation



NC-4250Q

1/2" DRIVE
Twin Hammer Type
Air inlet : 1/4"



ZT-13-1

Torque Test Machine (Ski-Moer Type)
Torque testing for maintaining pneumatic impact wrenches



ZT-13-3

Digital Torque Tester (Electric Type)
For testing and maintaining pneumatic impact wrenches



Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
Inch	Inch (mm)	FT-LB (Nm)	FT-LB Nm	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA	m/s ²



NC4232Q	1/2"	5/8"(16)	100-300(136-407)	550	746	10000	4.0(113)	90 (6.3)	4-13/16" (122)	2.9	1.35	3/8"	83.0	3.7
NC4250Q	1/2"	5/8"(16)	200-350(271-475)	450	610	9000	6.0(170)	90 (6.3)	4-15/16" (125)	3.5	1.60	3/8"	83.0	4.5



QA-143 A/B

AIR Die Grinder Air inlet : 1/4"



QA-151 A/B

AIR Die Grinder Air inlet : 1/4"



QA-163 A/B QA-163L A/B

AIR Die Grinder Air inlet : 3/8"



	Collet Size A mm	Collet Size B inch	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QA-143	6	1/4"	24000	14.0(396)	90(6.3)	11-11/16"(296)	0.4	2.0 0.90	3/8"	75.0	2.5
QA-151	6	1/4"	18000	12.2(345)	90(6.3)	7"(177)	0.9	1.76 0.80	3/8"	75.0	2.1
QA-163	6	1/4"	16000	5.0(141)	90(6.3)	12"(305)	0.9	2.7 1.25	3/8"	75.0	2.8
QA-163L	6	1/4"	16000	5.0(141)	90(6.3)	13-25/32"(350)	0.9	2.9 1.31	3/8"	75.0	2.8



QB-49602

Dual Action Sander
Air Random Orbital Sander
Non-Vacuum
Air inlet : 1/4"

10 pieces in one carton



QP-215

Air High Speed Sander
Air inlet : 1/4"

10 pieces in one carton



	Pad Dia inch(mm)	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²	orbit mm
QB-49602	6"(152)	20000	3.60(102)	90(6.3)	8-21/32"(220)	0.75	2.0 0.91	3/8"	92.5	3.3	9.5
QP-215	3",4-2/1",5"	16000	6.5(184)	90(6.3)	6-19/64"(160)	0.80	2.6 1.20	3/8"	60.0	1.8	

NEW PRODUCTS



QB-194

AIR Angle Grinder/Roll Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-194L

AIR Angle Grinder/Lever Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-194-CN

AIR Angle Grinder/Roll Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-195-85 QB-195-120

AIR Angle Grinder/Roll Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-195L-85 QB-195L-120

AIR Angle Grinder/Roll Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-195-CN

AIR Angle Grinder/Roll Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-2925

AIR Straight Grinder / Roll Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool



QB-2925L

AIR Straight Grinder /Lever Type Throttle
Air inlet : 3/8"

Note : The grinding wheel is not supplied along with the tool





QC-253

3" Air Cut-Off Tool
 Note: wheel is supplied with the tool
 Air inlet : 1/4"



3" x 10 x P1.5



QC-254

4" Air Corner Cut-Off Tool
 Note: wheel is supplied with the tool
 Available Dimension of inner hold : Ø 10mm
 Air inlet : 1/4"



4" x 10 x P1.5



QE-231

Spot Drill&Hook
 Air inlet : 1/4"



	Chuck Size inch(mm)	Free Speed R.P.M	Motor hp	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QE-231	5/16"(8)	1600	0.50	6.0(170)	90(6.3)	9-1/4"(235)	4.4 2.00	3/8"	88.2	0.1

	Belt Size Pad Dia inch(mm)	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QC-253	3"(75)	24000	4.0(113)	90(6.3)	8"(203)	0.6	1.7 0.8	3/8"	91.0	1.2
QC-254	4"(100)	20000	5.0(141)	90(6.3)	8-1/8"(206)	0.6	2.0 0.9	3/8"	81.0	0.8

	Pad Dia / Arbor Size inch(mm)	Spindle Size	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QB-194	4"(100x16)	M8 X 1.25	12000	4.9(138)	90(6.3)	8-15/32"(215)	0.9	4.2 1.9	3/8"	91.0	2.6
QB-194L	4"(100x16)	M8 X 1.25	12000	4.9(138)	90(6.3)	10-23/32"(272)	0.9	4.6 2.1	3/8"	89.0	2.5
QB-194-CN	4"(100x16)	M8 X 1.25	13500	4.8(136)	90(6.3)	8-15/64"(210)	0.8	4.2 1.9	3/8"	92.0	2.8
QB-195-85	5"(125x22)	1/2"-13	8500	4.9(138)	90(6.3)	8-15/16"(227)	1.4	5.3 2.4	3/8"	91.0	2.1
QB-195-120	5"(125x22)	1/2"-13	12000	5.1(144)	90(6.3)	8-15/16"(227)	1.4	5.3 2.4	3/8"	91.0	2.1
QB-195L-85	5"(125x22)	1/2"-13	8500	4.9(138)	90(6.3)	10-13/16"(275)	1.4	5.5 2.5	3/8"	91.0	2.1
QB-195L-120	5"(125x22)	1/2"-13	12000	5.1(144)	90(6.3)	10-13/16"(275)	1.4	5.5 2.4	3/8"	91.0	2.1
QB-195-CN	5"(125x22)	1/2"-13	12000	4.9(138)	90(6.3)	8-15/32"(215)	1.0	4.4 2.0	3/8"	91.0	2.6
QB-2925	(65x13x9.5)	M10 X 1.5	16000	5.0(141)	90(6.3)	10-11/16"(270)	0.9	2.9 1.33	3/8"	90.0	2.8
QB-2925L	(65x13x9.5)	M10 X 1.5	16000	5.0(141)	90(6.3)	12-25/32"(215)	0.9	3.0 1.39	3/8"	90.0	2.8

NEW PRODUCTS



QD-230

Air Mini Saw with hose
Air inlet : 1/4"



QK-121

Air Knife
Air inlet : 1/4"



QB-9320

FOR QK-111 QK-121



	Oscillation per min	Avg. Air Consumption CFM (L/min)	Overall Length Inch (mm)	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QK-121	19000	4.3(121)	6-15/16" (176)	1.3(0.6)	10	91	2.8

	Strokes Length mm	Strokes Per min. S.P.M	Collef Size mm	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QD-230	5	7000	5.0	2.5 (70)	90(6.3)	7"(180)	1.10 0.5	3/8"	80.0	2.4



RA-402

AIR Screwdriver (Positive Clutch Type)
Screw Capacity : M6
Air inlet : 1/4"



RA-811

AIR Screwdriver (Positive Clutch Type)
Screw Capacity : M6
Air inlet : 1/4"



	Chuck Size inch(mm)	Torque Range FT-LB(Nm)	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
RA-402	1/4"(6.35)	5.0-14.0(6-19)	2200	3.9(111)	90(6.3)	7-3/32"(180)	2.47 1.1	3/8"	91.0	2.3
RA-811	1/4"(6.35)	5.0-13.0(6-17)	2100	4.0(113)	90(6.3)	8-9/32"(210)	2.50 1.1	3/8"	83.0	3.7



PB-1305 PB-1308

Air Rivet Nut Tool
Air inlet : 1/4"



PB-1312

Air Rivet Nut Tool
Air inlet : 1/4"



	Traction Power lb.-ft/(kg.-f)	Free Speed R.P.M	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Avg. Air Consumption L/cycle	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
PB-1305	-----	1200	-----	M3~M6	90(6.3)	7.8	2.42 1.10	3/8"	86.0	1.6
PB-1308	-----	600	-----	M6~M8	90(6.3)	7.8	2.86 1.30	3/8"	86.0	1.6
PB-1312	-----	400	-----	M10~M12	90(6.3)	7.8	2.79 1.28	3/8"	86.0	1.6

SA-2015

Automatic Hose Reel

- "Commercial grade auto-rewind air hose reels have features like steel construction, heavy-duty hoses, Durable spring-powered recoil and 16 teeth gear to ensure repeated use and reliability."



SD-22

8 X 12 Air Hose

24 braids covered PU tube brings the anti-explosion capability up to 350 psi.

Spring guards protects both ends of the hose. Both ends have male 360° swivel fittings.

Temperature resistance from -20° C ~ +70° C.



SO-003

Pneumatic oil 30c.c.

- Anti-rusty type – able to raise air tool's capability 3~6%



	Hose Inside Diameter mm	Hose outside Diameter mm	Hose Length M	Working Pressure PSI(bar)	Maximum Pressure PSI(bar)	Male PT Fitting inch	Female PT Fitting inch	Weight kg
SA-2015	8.0	12.0	15	101.5 (7.0)	284.4(17.8)	1/4"	-----	6.2
SD-22107	8.0	12.0	7.5	101.5 (7.0)	284.4(17.8)	1/4"	-----	0.8
SD-22115	8.0	12.0	15	101.5 (7.0)	284.4(17.8)	1/4"	-----	1.4
SD-22130	8.0	12.0	30	101.5 (7.0)	284.4(17.8)	1/4"	-----	2.6

AIR IMPACT WRENCH



NC-3111

3/8" DRIVE
Pin Clutch Type Air inlet : 1/4"



NC-3210

3/8" DRIVE
Twin Hammer Type Air inlet : 1/4"



NC-3410

3/8" DRIVE
Rocking Dog Type Air inlet : 1/4"



NC-3610Q

3/8" DRIVE
Jumbo Hammer Type Air inlet : 1/4"



NC-3810

3/8" DRIVE
Twin Dog Type Air inlet : 1/4"



NC-4210

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"



NC-4212/4222

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"
NC-4222 is equipped with 2" extended anvil



NC-4213/4223

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"
NC-4223 is equipped with 2" extended anvil



NC-4216 NC-4226

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"
NC-4226 is equipped with 2" extended anvil



NC-4217

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"



NC-4230/4240 NC-4230Q

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"
NC-4240 is equipped with 2" extended anvil



NC-4231Q

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"





NC-4233Q

1/2" DRIVE

Twin Hammer Type Air inlet : 1/4"



NC-4236 NC-4236Q

1/2" DRIVE

Twin Hammer Type Air inlet : 1/4"



**PNEUMATIC
TOOLS**
GLOBAL EXPANSION

	Square Drive	Bolt Capacity	Torque Range	Max Torque		Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
	Inch	Inch (mm)	FT-LB (Nm)	FT-LB	Nm	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	m/s ²
NC-3111	3/8"	1/2"(13)	70-130(95-176)	160	216	9000	4.0(113)	90 (6.3)	6-7/16" (163)	3.5	1.60	3/8"	93.3	4.1
NC-3210	3/8"	1/2"(13)	100-300(136-407)	350	474	10000	4.0(113)	90 (6.3)	5-5/8" (142)	3.3	1.50	3/8"	92.1	3.6
NC-3410	3/8"	3/8"(10)	5-50(7-68)	75	102	10000	2.5(71)	90 (6.3)	6-1/4" (159)	1.7	0.80	3/8"	92.1	3.6
NC-3610Q	3/8"	1/2"(13)	100-300(136-407)	350	474	8000	4.4(125)	90 (6.3)	4-9/16" (115.5)	3.3	1.50	3/8"	85.0	2.8
NC-3810	3/8"	3/8"(10)	5-50(7-68)	75	102	11000	2.3(65)	90 (6.3)	5-15/32" (139)	1.1	0.50	3/8"	91.0	3.6
NC-4210	1/2"	5/8"(16)	150-350(203-475)	400	542	10000	4.2(119)	90 (6.3)	5-5/8"(142)	3.5	1.60	3/8"	90.6	2.8
NC-4213	1/2"	5/8"(16)	180-400(244-542)	600	813	6500	4.2(119)	90(6.3)	7-3/16"(182)	6.2	2.80	3/8"	91.0	3.8
NC-4223	1/2"	5/8"(16)	180-400(244-542)	600	813	6500	4.2(119)	90(6.3)	9-1/4"(232)	6.4	2.90	3/8"	91.0	3.8
NC-4217	1/2"	5/8"(16)	150-320(203-434)	400	542	7000	4.2(119)	90(6.3)	7-1/4"(184)	5.6	2.50	3/8"	92.1	3.7
NC-4212	1/2"	5/8"(16)	150-300(203-407)	550	746	7000	4.0(113)	90(6.3)	7-13/64"(182)	6.2	2.80	3/8"	86.1	3.7
NC-4222	1/2"	5/8"(16)	150-300(203-407)	550	746	7000	4.0(113)	90(6.3)	9-13/64"(233)	6.6	3.00	3/8"	86.1	3.7
NC-4216	1/2"	5/8"(16)	180-400(244-542)	650	881	9000	4.2(119)	90(6.3)	7-3/4"(195)	4.4	2.00	3/8"	93.9	4.5
NC-4226	1/2"	5/8"(16)	180-400(244-542)	650	881	9000	4.2(119)	90(6.3)	8-7/8"(225)	4.8	2.20	3/8"	93.9	4.5
NC-4230	1/2"	3/4"(19)	180-500(244-678)	700	949	7500	4.5(127)	90(6.3)	6-15/32"(164)	5.5	2.50	3/8"	87.0	4.5
NC-4240	1/2"	3/4"(19)	180-500(244-678)	700	949	7500	4.5(127)	90(6.3)	8-15/32"(215)	5.7	2.60	3/8"	87.0	4.5
NC-4230Q	1/2"	3/4"(19)	180-500(244-678)	650	881	6500	4.5(127)	90(6.3)	6-15/32"(164)	5.5	2.50	3/8"	85.0	4.5
NC-4231	1/2"	5/8"(16)	200-350(271-475)	450	610	10000	4.2(120)	90(6.3)	6-5/16"(160)	2.8	1.30	3/8"	83.0	3.0
NC-4233Q	1/2"	3/4"(19)	200-500(271-678)	850	1152	6500	4.4(124)	90(6.3)	9-11/16"(246)	4.6	2.10	3/8"	85.0	3.8
NC-4236	1/2"	1(25)	200-700(271-949)	1000	1356	7500	5.5(155)	90(6.3)	6-45/64"(171)	5.7	2.62	3/8"	87.0	4.5
NC-4236Q	1/2"	1(25)	200-700(271-949)	1000	1356	7500	5.5(155)	90(6.3)	6-45/64"(171)	5.7	2.62	3/8"	83.0	4.5



NC-4630Q

1/2" DRIVE
AIR IMPACT WRENCH
Jumbo Hammer Type Air inlet : 1/4"

4TH GENERATION
SUPER MINI IN LENGTH 97 MM
SHARK AIR TOOL



NC-4258

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"



NC-4610 NC-4610Q

1/2" DRIVE
Jumbo Hammer Type Air inlet : 1/4"



NC-4611Q

1/2" DRIVE
Jumbo Hammer Type Air inlet : 1/4"



NC-4620QN

1/2" DRIVE
Jumbo Hammer Type Air inlet : 1/4"



NC-4210N

1/2" DRIVE
Twin Hammer Type Air inlet : 1/4"



NC-4610N

1/2" DRIVE
Jumbo Hammer Type Air inlet : 1/4"



NC-6113/6123

3/4" DRIVE Pin Clutch Type
NC-6123 is equipped with 6" extended anvil
Air inlet : 1/4"



NC-6210/6220 NC-6210Q

3/4" DRIVE Twin Hammer Type
NC-6220 is equipped with 6" extended anvil
Air inlet : 1/4"



NC-6213

3/4" DRIVE
Twin Hammer Type Air inlet : 3/8"



NC-6217

3/4" DRIVE
Twin Hammer Type Air inlet : 3/8"



NC-6215 NC-6225

3/4" DRIVE New Twin Hammer Type
Air inlet : 1/4"
NC-6225 is equipped with 6" extended anvil



NC-6216 NC-6226

3/4" DRIVE New Twin Hammer Type
Air inlet : 3/8"
NC-6226 is equipped with 6" extended anvil



NC-6218

3/4" DRIVE Twin Hammer Type
Air inlet : 3/8"



NC-6236 NC-6236Q

3/4" DRIVE Twin Hammer Type
Air inlet : 1/4"



	Square Drive Inch	Bolt Capacity Inch (mm)	Torque Range FT-LB (Nm)	Max Torque FT-LB Nm	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
           												
NC-4258	1/2"	5/8"(16)	150-300(203-407)	400 542	7000	4.2(119)	90(6.3)	7-1/4"(185)	5.6 2.50	3/8"	93.2	4.4
NC-4610	1/2"	5/8"(16)	200-350(271-475)	450 610	9000	4.4(124)	90 (6.3)	4-9/16"(115.5)	3.5 1.60	3/8"	93.0	2.8
NC-4610Q	1/2"	5/8"(16)	200-350(271-475)	400 542	9000	4.4(124)	90 (6.3)	4-9/16"(115.5)	3.5 1.60	3/8"	85.0	2.8
NC-4611Q	1/2"	5/8"(16)	200-350(271-475)	450 610	10000	4.0(113)	90(6.3)	4-3/8"(111)	3.3 1.50	3/8"	85.0	2.8
NC-4620QN	1/2"	5/8"(16)	200-350(271-475)	450 610	9000	4.4(124)	90(6.3)	6-9/16"(166)	3.7 1.70	3/8"	85.0	2.8
NC-4630Q	1/2"	5/8"(16)	200-350(271-475)	450 610	9000	4.4(124)	90(6.3)	3-13/16"(97)	3.3 1.50	3/8"	85.0	2.8
NC-4610N	1/2"	5/8"(16)	200-350(271-475)	450 610	9000	4.4(124)	90(6.3)	4-9/16"(115.5)	3.5 1.60	3/8"	93.0	2.8
NC-4210N	1/2"	5/8"(16)	150-350(203-475)	400 542	10000	4.2(119)	90(6.3)	5-5/8"(142)	3.5 1.60	3/8"	90.6	2.8
NC-6113	3/4"	1"(25)	150-600(203-814)	850 1153	4500	7.0(198)	90(6.3)	10"(252)	10.1 4.60	1/2"	94.3	7.2
NC-6123	3/4"	1"(25)	150-600(203-814)	850 1153	4500	7.0(198)	90(6.3)	14-3/16" (360)	11.6 5.30	1/2"	94.3	7.2
NC-6212	3/4"	3/4"(19)	180-400(244-542)	750 1017	6300	4.4(124)	90(6.3)	7-61/64" (227)	6.6 3.00	1/2"	88.1	7.8
NC-6222	3/4"	3/4"(19)	180-400(244-542)	750 1017	6300	4.4(124)	90(6.3)	10-1/4" (260)	7.5 3.40	1/2"	88.1	7.8
NC-6210	3/4"	3/4"(19)	180-600(244-810)	750 1017	7500	4.5(127)	90(6.3)	6-45/64" (170)	5.6 2.55	3/8"	87.0	4.5
NC-6210Q	3/4"	3/4"(19)	180-600(244-810)	700 949	6500	4.5(127)	90(6.3)	6-45/64" (170)	5.6 2.55	3/8"	85.0	4.5
NC-6220	3/4"	3/4"(19)	180-600(244-810)	700 949	6500	4.5(127)	90(6.3)	12-23/32" (323)	6.7 3.08	3/8"	85.0	4.5
NC-6213	3/4"	1-1/16"(27)	200-1000(271-1356)	1200 1627	6000	6.9(195)	90(6.3)	9-7/16" (239)	8.5 3.88	1/2"	92.0	5.0
NC-6217	3/4"	1-1/16"(27)	200-1000(271-1356)	1400 1898	4800	6.9(195)	90(6.3)	9-7/16" (239)	11.0 5.0	1/2"	92.0	5.0
NC-6215	3/4"	1"(25)	180-600(244-810)	900 1220	6500	7.0(198)	90(6.3)	9-7/32" (234)	10.0 4.50	1/2"	91.5	10.8
NC-6225	3/4"	1"(25)	180-600(244-810)	900 1220	6500	7.0(198)	90(6.3)	13-3/4" (350)	10.8 4.90	1/2"	91.5	10.8
NC-6216	3/4"	1-1/16"(27)	200-1000(271-1356)	1200 1627	6000	6.0(170)	90(6.3)	9-1/4" (235)	9.0 4.10	1/2"	91.2	5.0
NC-6226	3/4"	1-1/16"(27)	200-1000(271-1356)	1200 1627	6000	6.0(170)	90(6.3)	13-3/4" (350)	9.9 4.50	1/2"	91.2	5.0
NC-6218	3/4"	1-1/16"(27)	200-1400(271-1898)	1500 2034	6000	6.34(182)	90(6.3)	12-9/16"(320)	12.5 5.70	1/2"	106.0	3.3
NC-6236	3/4"	1"(25)	200-900(271-1220)	1200 1627	7500	5.5(155)	90(6.3)	6-45/64" (171)	5.9 2.68	3/8"	87.0	4.5
NC-6236Q	3/4"	1"(25)	200-900(271-1220)	1200 1627	7500	5.5(155)	90(6.3)	6-45/64" (171)	5.9 2.68	3/8"	83.0	4.5



NC-8212

1" DRIVE New Twin Hammer Type
Air inlet : 3/8"



NC-8217

1" DRIVE Twin Hammer Type
Air inlet : 3/8"



NC-8219

1" DRIVE New Twin Hammer Type
Air inlet : 1/2"



NC-8211 NC-8221

1" DRIVE Twin Hammer Type
Air inlet : 1/2"



NC-8221 is equipped with 6" extended anvil



NC-8216 NC-8226

1" DRIVE Twin Hammer Type
Air inlet : 1/2"



NC-8226 is equipped with 5" extended anvil



NC-8252 NC-8262

1" DRIVE Twin Hammer Type
Air inlet : 1/2"



NC-8262 is equipped with 6" extended anvil



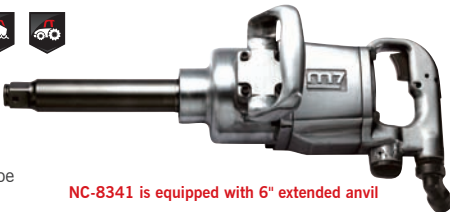
NC-8232

1" DRIVE New Twin Hammer Type
Air inlet : 1/2"



NC-8321 NC-8341

1" DRIVE Pin Less Type
Air inlet : 1/2"



NC-8341 is equipped with 6" extended anvil



NC-8242 NC-8242-8

1" DRIVE Twin Hammer Type
Air inlet : 1/2"



NC-8242-8 is equipped with 8" extended anvil



NC-8311 NC-8351

1" DRIVE Pin Less Type
Air inlet : 1/2"



NC-8351 is equipped with 6" extended anvil



NC-8322 NC-8342

1" DRIVE Pin Less Type
Air inlet : 1/2"



NC-8342 is equipped with 8" extended anvil



NC-8362 NC-8372

1" DRIVE Pin Less Type
Air inlet : 1/2"



NC-8372 is equipped with 8" extended anvil



NC-8382 NC-8382-8

1" DRIVE Pin Less Type
Air inlet : 1/2"



NC-8382-8 is equipped with 8" extended anvil



NC-9223

1-1/2" DRIVE New Twin Hammer Type
Air inlet : 1/2"



NC-0415 [SET]

1pc-1/2" Air Impact Wrench(NC-4212/NC-4215/NC-4216/NC-4217/NC-4230/NC-4213)
10pcs-Impact sockets, 6 points, standard length
9, 10, 11, 13, 14, 17, 19, 22, 24, 27mm
1pc-Extension bar 5"
1pc-Allen Key : 4mm
1pc-Mini Oiler 1/4" female x 1/4" male
1pc-1/4" plug



PNEUMATIC TOOLS

GLOBAL EXPANSION



NC-0410 [SET]

- 1pc - Air Impact Wrench (NC-4212/NC-4215/NC-4217/NC-4258)
- 5pcs - Impact sockets, 6 points, standard length 11, 13 mm, deep version 17, 19, 21mm
- 1pc - Extension bar 3"
- 1pc - Mini Oiler 1/4" female x 1/4" male
- 1pc - 1/4" plug
- 1pc - Oil box



NC-0615 [SET]

- 1pc-3/4" Air Impact Wrench (NC-6113/NC-6216/NC-6215)
- 8pcs-Impact sockets, 6 points, standard length 26, 27, 29, 30, 32, 35, 36, 38mm
- 1pc-Extension bar 7"
- 1pc-Universal Joint
- 2pcs-Allen Key : 4mm, 5mm
- 1pc-Mini Oiler 1/4"-6113,6215 , 3/8"-6216
- 1pc-1/4" plug - 6113.6215 , 3/8" plug - 6216
- 1pc-O-Ring&Pin



SD-5408 1" FILTER TUBE



	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
	Inch	Inch (mm)	FT-LB (Nm)	FT-LB Nm	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA	m/s²
NC-8212	1"	1-1/16"(27)	200-1000(271-1356)	1300 1762	6000	6.0(170)	90(6.3)	9-1/4"(235)	9.6 4.40	1/2"	91.2	5.0
NC-8217	1"	1-1/4"(30)	200-1300(271-1762)	1500 2033	4800	5.4(153)	90(6.3)	8-3/4"(222)	11.0 5.00	1/2"	92.0	6.1
NC-8219	1"	1-7/16"(36)	200-1600(271-2170)	1800 2441	4000	11.0(311)	90(6.3)	12-13/32"(315)	21.6 9.84	1/2"	103.4	16.7
NC-8216	1"	1-3/8"(33)	200-1600(271-2170)	1800 2441	6000	9.0(254)	90(6.3)	13-1/2"(343)	15.5 7.00	1/2"	102.0	9.3
NC-8226	1"	1-3/8"(33)	200-1600(271-2170)	1800 2441	6000	9.0(254)	90(6.3)	19-3/16"(487)	18.4 8.40	1/2"	102.0	9.3
NC-8211	1"	1-3/8"(33)	200-1600(271-2170)	1800 2441	5000	6.0(169)	90(6.3)	14-8/15"(370)	22.2 10.10	1/2"	100.0	10.0
NC-8221	1"	1-3/8"(33)	200-1600(271-2170)	1800 2441	5000	6.0(169)	90(6.3)	20-7/8"(530)	25.2 11.50	1/2"	100.0	10.0
NC-8252	1"	1-7/16"(33)	200-2000(271-2170)	2400 2441	4000	6.0(254)	90(6.3)	15-3/8"(390)	26.6 12.10	1/2"	100.0	10.0
NC-8262	1"	1-7/16"(33)	200-2000(271-2170)	2400 2441	4000	6.0(254)	90(6.3)	22"(560)	29.7 13.50	1/2"	100.0	10.0
NC-8232	1"	1-7/16"(36)	200-1600(271-2170)	1800 2441	4000	11.0(311)	90(6.3)	20-13/32"(518)	24.8 11.30	1/2"	102	11.5
NC-8242	1"	1-9/16"(40)	200-2000(271-2710)	2500 3390	5000	15.9(450)	90(6.3)	14-17/32"(370)	23.1 10.50	1/2"	100.0	6.4
NC-8242-8	1"	1-9/16"(40)	200-2000(271-2710)	2500 3390	5000	15.9(450)	90(6.3)	22-15/32"(570)	26.2 11.90	1/2"	100.0	6.4
NC-8321	1"	1-3/8" (33)	200-1600(271-2170)	1800 2441	4000	11.5(325)	90(6.3)	15" (380)	24.0 10.90	1/2"	97.0	6.3
NC-8341	1"	1-3/8" (33)	200-1600(271-2170)	1800 2441	4000	11.5(325)	90(6.3)	20" (510)	27.6 12.50	1/2"	97.0	6.3
NC-8311	1"	1-3/8" (33)	200-1600(271-2170)	1800 2441	4000	11.5(325)	90(6.3)	15" (380)	24.0 10.90	1/2"	101.0	7.3
NC-8351	1"	1-3/8" (33)	200-1600(271-2170)	1800 2441	4000	11.5(325)	90(6.3)	20" (510)	27.6 12.50	1/2"	101.0	7.3
NC-8322	1"	1-7/16" (36)	200-2000(271-2170)	2500 3390	3300	11.0(311)	90(6.3)	17-5/16" (440)	34.2 15.50	1/2"	93.9	8.8
NC-8342	1"	1-7/16" (36)	200-2000(271-2170)	2500 3390	3300	11.0(311)	90(6.3)	24-3/8" (619)	38.0 17.30	1/2"	93.9	8.8
NC-8362	1"	1-7/16" (36)	200-2000(271-2710)	2500 3390	3700	11.0(284)	90(6.3)	17-7/8" (455)	34.7 15.8	1/2"	93.9	8.8
NC-8372	1"	1-7/16" (36)	200-2000(271-2710)	2500 3390	3700	11.0(284)	90(6.3)	24-7/32" (615)	38.7 17.6	1/2"	93.9	8.8
NC-8382	1"	1-9/16" (40)	200-1600(271-2170)	2500 3390	5000	15.9(450)	90(6.3)	14-17/32" (370)	22.0 11.00	1/2"	100.0	6.4
NC-8382-8	1"	1-9/16" (40)	200-1600(271-2170)	2500 3390	5000	15.9(450)	90(6.3)	22-15/32" (570)	27.5 12.50	1/2"	100.0	6.4
NC-9223	1-1/2"	2"(50)	200-3000(271-4065)	3500 4746	3000	16.0(453)	90(6.3)	17-3/4" (450)	42.2 19.70	3/4"	104.5	8.8

AIR RATCHET WRENCH



NE-211/311

1/4" & 3/8" DRIVE



NE-251/351

1/4" & 3/8" DRIVE



NE-321/421

3/8" & 1/2" DRIVE



NE-332/432

3/8" & 1/2" DRIVE



NE-343/443

3/8" & 1/2" DRIVE



NE-352

3/8" DRIVE



NE-361

3/8" DRIVE



NE-362

3/8" DRIVE



NE-462

1/2" DRIVE



NE-0357

3/8" DRIVE

- 1pc Air Ratchet Wrench (NE-352)
- 7pcs 1/4" Dr. socket : 4,5,6,7,8,9,10 mm
- 6pcs 3/8" Dr. socket : 11,12,13,14,15,17 mm
- 40pcs 1/4" Bits
- 1pc 3/8" Extension Bar
- 1pc 1/4" Hex Size shank driver
- 1pc Plug (Adapter)



NE-0413[set] NE-0413S[set]

Thru-Hole 13pcs

- 1pc Air Ratchet Wrench(NE-461)
- 8pcs 3/4" Hex Thru-hole socket : 8,9,10,12,13,14,17,19 mm (NE-0413)
- 8pcs 3/4" Hex Thru-hole socket : 5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4" (NE-0413S)
- 1pc 3" Extension Bar
- 2pcs 1/2" 3/8" ADP
- 1pc Plug (Adapter)



REPAIR KIT

Replacement Parts



M7 ITEM NO.	REPAIR KIT NO.
NC-3610Q	NC-3610QK01
NC-3111	NC-3111K01
NC-3210	NC-3210K01
NC-4212	NC-4212K01
NC-4216	NC-4216K01
NC-4217	NC-4217K01
NC-4258	NC-4258K01
NC-4610Q	NC-4610QK01
NC-4210	NC-4210K01
NC-4236Q	NC-4236QK01
NC-4213	NC-4213K01
NC-6236Q	NC-6236QK01
NC-6216	NC-6216K01
NC-6210Q	NC-6210QK01



M7 ITEM NO.	REPAIR KIT NO.
NE-251	NE-251K01
NE-321	NE-321K01
NE-351	NE-351K01
NE-352	NE-352K01
NE-332	NE-332K01
NE-443	NE-443K01
NE-421	NE-421K01
NE-432	NE-432K01
NE-461	NE-461K01

	Square Drive	Torque Range	Max Torque		Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
	Inch	FT-LB (Nm)	FT-LB	Nm	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	m/s ²
NE-332	3/8"	10-45(13.5-61)	60	81	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.6	1.22	3/8"	90.5	4.4
NE-432	1/2"	10-45(13.5-61)	60	81	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.6	1.22	3/8"	89.8	5.2
NE-251	1/4"	5-15(6.7-20)	22	30	350	3.0(84.96)	90(6.3)	5"(125)	1.1	0.50	3/8"	89.0	4.4
NE-351	3/8"	5-15(6.7-20)	22	30	350	3.0(84.96)	90(6.3)	5"(125)	1.1	0.50	3/8"	89.0	4.4
NE-211	1/4"	5-15(6.7-20)	18	24	240	3.0(84.96)	90(6.3)	8"(205)	1.3	0.59	3/8"	89.6	3.9
NE-311	3/8"	5-15(6.7-20)	18	24	240	3.0(84.96)	90(6.3)	8"(205)	1.3	0.59	3/8"	88.8	4.6
NE-321	3/8"	10-35(13.5-47)	50	68	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.3	1.04	3/8"	91.0	3.9
NE-421	1/2"	10-35(13.5-47)	50	68	160	4.0(113.28)	90(6.3)	10-3/8"(265)	2.3	1.04	3/8"	92.8	4.6
NE-352	3/8"	5-15(6.7-20)	22	30	350	3.0(84.96)	90(6.3)	5"(125)	1.1	0.50	3/8"	89.0	4.4
NE-343	3/8"	10-55(13.5-74)	75	101.7	160	4.0(113)	90(6.3)	11"(280)	2.8	1.30	3/8"	84.0	4.4
NE-443	1/2"	10-55(13.5-74)	100	135.6	160	4.0(113)	90(6.3)	11"(280)	2.8	1.30	3/8"	84.0	4.4
NE-361	3/8"	10-35(13.5-47)	37	50	230	4.6(130)	90(6.3)	6-5/16"(160)	1.1	0.50	3/8"	88.0	3.0
NE-362	3/8"	10-35(13.5-47)	37	50	230	4.6(130)	90(6.3)	6-5/16"(160)	1.1	0.50	3/8"	88.0	3.0
NE-462	1/2"	10-55(13.5-74)	74	100	200	4.0(113.28)	90(6.3)	13"(330)	4.1	1.88	3/8"	84.0	2.5
NE-461	1/2"	10-65(13.5-88)	100	135	180	4.0(113)	90(6.3)	10-3/8"(270)	2.6	1.20	3/8"	83.0	2.3

AIR IMPACT RATCHET / AIR DIE GRINDER

★★ NE-399/499


3/8" & 1/2" DRIVE



NE-499N[set]

Air Impact Ratchet : 1pc (NE-499)
 Stubby impact sockets, 6 points :
 9pcs 9, 10, 11, 13, 14, 17, 19, 22, 24 mm
 1/4" plug: 1pc



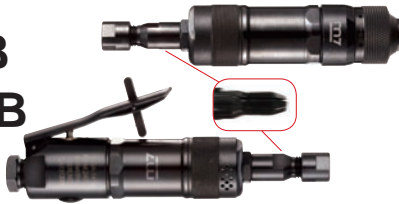
	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
	Inch	Inch (mm)	FT-LB (Nm)	FT-LB Nm	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA	m/s ²
												
NE-499	1/2"	9/16"(14)	50-150(68-203)	250 339	7500	2.45(69.4)	90(6.3)	13-3/8"(340)	4.0 1.83	3/8"	93.0	9.9
NE-399	3/8"	1/2"(13)	50-130(68-176)	180 244	7500	2.45(69.4)	90(6.3)	13-3/8"(340)	4.0 1.83	3/8"	93.0	9.9

★★ QA-111A/B



★★ QA-141 A/B QA-141LA/B

QA-141-Roll Type Throttle
 QA-141L-Lever Type Throttle



★★ QA-210A/B



★★ QA-211A/B



★★ QA-231A/B



★★ QA-241A/B



★★ QA-311A/B



★★ QA-313A/B



★★ QA-315A/B





QA-611QA/B



QA-632Q A/B



QA-633Q A/B



QA-0115A/B(set)

QA-111

QA0215A/B(set)

QA-211

QA-0615A/B(set)

QA-611

- 1pc Air Die Grinder
- 1pc Collet (3 mm or 1/8")
- 2pcs Spanner Wrench
- 5pcs Grinder Stone (3 mm or 1/8")
- 5pcs Shank Stone (6 mm or 1/4")
- 1pc Plug (adapter)



QA-0207A/B(set)

QA-210

- 1pc Air Die Grinder (QA-210)
- 5pcs Shank stone
- 1pc Plug (adapter)



QB-9211(set) 3mm Shank



QB-9213(set) 6mm Shank



	Collet Size A mm	Collet Size B inch	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS(kg)		Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QA-111	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	6"(155)	0.3	0.8	0.38	3/8"	81.5	1.8
QA-141	6	1/4"	24000	14.0(396)	90(6.3)	6-11/16"(170)	0.4	1.3	0.60	3/8"	75.0	2.5
QA-141L	6	1/4"	24000	14.0(396)	90(6.3)	6-11/16"(170)	0.4	1.3	0.60	3/8"	75.0	2.5
QA-210	6	1/4"	20000	10.0(283)	90(6.3)	7-1/2"(190)	0.9	1.4	0.65	3/8"	75.7	0.8
QA-211	6 & 3	1/4" & 1/8"	20000	10.0(283)	90(6.3)	7-1/2"(190)	0.9	1.4	0.65	3/8"	75.7	0.8
QA-231	6 & 3	1/4" & 1/8"	20000	14.8(283)	90(6.3)	5-29/32"(190)	0.3	0.8	0.65	3/8"	80.0	>2.5
QA-241	6	1/4"	4000	10.6(283)	90(6.3)	8-5/8"(190)	0.5	1.6	0.65	3/8"	75.0	0.87
QA-311	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	7-1/2"(190)	0.3	1.0	0.48	3/8"	81.5	1.8
QA-313	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	9-1/4"(235)	0.3	1.2	0.58	3/8"	81.5	1.8
QA-315	6 & 3	1/4" & 1/8"	25000	10.0(283)	90(6.3)	11"(280)	0.3	1.39	0.63	3/8"	81.5	1.8
QA-611	6 & 3	1/4" & 1/8"	19000	10.0(283)	90(6.3)	6-1/8"(160)	0.3	1.12	0.51	3/8"	74.4	1.7
QA-632Q	6 & 3	1/4" & 1/8"	22000	12.3(283)	90(6.3)	7"(160)	0.3	1.12	0.51	3/8"	75.0	>2.5
QA-633Q	6 & 3	1/4" & 1/8"	15000	17.2(490)	90(6.3)	7-1/8"(180)	0.6	1.54	0.70	3/8"	75.0	>2.5

MICRO AIR DIE GRINDER / AIR ANGLE GRINDER

★★  **QA-412**



★★  **QA-421**



★★  **QA-432**














★★★  **QA-441**



★★  **QA-511**



	Collet Size inch(mm)	Free Speed R.P.M	Blow Per Minute bpm	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Hose Length mm	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²	
												
QA-412	1/8" (3)	60000	-----	2.7(76)	90(6.3)	6-3/4"(170)	1500	0.53	0.24	3/8"	70.0	0.5
QA-421	1/8" (3)	60000	-----	2.7(76)	90(6.3)	6"(150)	1500	0.49	0.22	3/8"	70.0	0.5
QA-432	1/8" (3)	70000	-----	1.0(29)	90(6.3)	5-3/8"(137)	1425	0.4	0.20	3/8"	70.0	0.5
QA-441	1/8"(3)	60000	-----	2.0(56)	90(6.3)	5-5/16"(135)	1500	0.46	0.21	3/8"	71.0	1.0
QA-511	-----	-----	13000	1.0(29)	90(6.3)	5-1/2"(140)	1420	0.5	0.23	3/8"	78.0	0.6

★★  **QB-104/105**
note:The grinding wheel is not supplied along with the tool




★★  **QB-114/115**
note:The grinding wheel is not supplied along with the tool



★★  **QB-124/125**
note:The grinding wheel is not supplied along with the tool



★★  **QB-134/135**
QB-154/155
note:The grinding wheel is not supplied along with the tool



PNEUMATIC TOOLS

GLOBAL EXPANSION



QB-144/145 QB-164/165

note:The grinding wheel is not supplied along with the tool



QB-107

note:The grinding wheel is not supplied along with the tool



QB-117

note:The grinding wheel is not supplied along with the tool



QB-177

note:The grinding wheel is not supplied along with the tool



QB-179

note:The grinding wheel is not supplied along with the tool



QB-197Q

note:The grinding wheel is not supplied along with the tool



	Pad Dia / Arbor Size inch(mm)	Spindle Size	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QB-104	4"(100x16)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-105	5"(125x22)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0 1.81	3/8"	87.1	1.2
QB-114	4"(100x16)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-115	5"(125x22)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0 1.81	3/8"	87.1	1.2
QB-124	4"(100x16)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.80	3.8 1.73	3/8"	85.7	1.2
QB-125	5"(125x22)	5/8"-11	11000	6.0(170)	90(6.3)	9"(230)	0.80	3.9 1.78	3/8"	87.0	1.2
QB-134	4"(100x16)	M10xP1.5	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-135	5"(125x22)	M14xP2.0	11000	6.0(170)	90(6.3)	9"(230)	0.78	4.0 1.81	3/8"	87.1	1.2
QB-144	4"(100x16)	M10xP1.5	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-145	5"(125x22)	M14xP2.0	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-154	4"(100x16)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	3.8 1.73	3/8"	87.8	1.2
QB-155	5"(125x22)	3/8"-24	11000	6.0(170)	90(6.3)	9"(230)	0.78	3.8 1.73	3/8"	87.8	1.2
QB-164	4"(100x16)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-165	5"(125x22)	3/8"-24	11000	6.0(170)	90(6.3)	8-7/8"(226)	0.78	4.0 1.81	3/8"	87.8	1.2
QB-107	7"(178x22)	7000	9.0(255)	90(6.3)	11-1/4"(290)	1.0	7.1 3.24	1/2"	89.7	1.0
QB-117	7"(178x22)	7000	9.0(255)	90(6.3)	13-1/2"(343)	1.0	7.1 3.24	1/2"	89.7	1.0
QB-177	7"(178x22)	5/8"-11	7600	6.0(170)	90(6.3)	11-13/16"(170)	2.0	7.26 3.3	3/8"	92.0	2.7
QB-179	9"(230x22)	5/8"-11	6000	7.0(198)	90(6.3)	11"(279)	3.8	13.2 6.0	3/4"	86.0	2.1
QB-197Q	7"(178x22)	5/8"-11	7000	6.0(170)	90(6.3)	13-15/16"(353)	2.2	6.8 3.1	3/8"	77.0	1.5

AIR ANGLE GRINDER



QB-185

note: The grinding wheel is not supplied along with the tool



QB-187

note: The grinding wheel is not supplied along with the tool



QB-7114 QB-7115 QB-7145 (S/M)

note: The grinding wheel is not supplied along with the tool



QB-623



Item No.			For Item No.
QB-904	100x6x16 4"x1/4"x5/8"	25 / 200	QB-104/114/134 /144/154/164 /124 /7114
QB-905	125x6x22 5"x1/4"x7/8"	25 / 100	QB-105/115/135 /145/155/165 /125/7115
QB-907	180x6x22 7"x1/4"x7/8"	25 / 100	QB-107/117 /197Q/177

	Pad Dia / Arbor Size Inch(mm)	Spindle Size	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
QB-185	5"(125x22)	5/8"-11	12000	6.0(170)	90(6.3)	9-9/64"(232)	1.4	6.2 2.8	1/2"	86.0	2.1
QB-187	7"(178x22)	5/8"-11	7000	6.0(170)	90(6.3)	9-23/32"(247)	2.0	8.8 4.0	1/2"	86.0	2.1
QB-7114(S/M)	4"(100)	3/8"-24 / M10*P1.5	11000	4.2(119)	90(6.3)	9-1/8"(232)	1.30	4.0 1.81	3/8"	90.0	1.2
QB-7115(S/M)	5"(125)	5/8"-11 / M14*P2.0	11000	4.2(119)	90(6.3)	9-1/8"(232)	1.30	4.0 1.81	3/8"	90.0	1.2
QB-7145(S/M)	4-1/2"(114)	5/8"-11 / M14*P2.0	11000	4.2(119)	90(6.3)	9-1/8"(232)	1.30	4.0 1.81	3/8"	90.0	1.2
QB-623	2"(50x10)	----	20000	8.1(283)	90(6.3)	6-5/16"(160)	----	1.26 0.57	3/8"	80.0	0.5

AIR BELT SANDER

PNEUMATIC TOOLS
GLOBAL EXPANSION

★★  QB-311



★★  QB-312



★★  QB-313



★★  QB-321



★★  QB-324



★★  QB-322/322C














QB-322C:Rubber pulley

QB-91108 QB-91110
QB-91208 QB-91210



Item No.	Belt Size	
QB-91108	10mm x 330mm #80	for QB-311 / QB-321
QB-91110	10mm x 330mm #100	
QB-91208	20mm x 520mm #80	for QB-312/ QB-322/QB-322C
QB-91210	20mm x 520mm #100	

Belt Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure	Vibration Level
inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	HP	LBS kg	Inch	dBA	m/s ²
						 			
QB-311	3/8"x13"(10x330)	16000	8.0(226)	90(6.3)	11-1/2"(290)	-----	1.7 0.80	3/8"	89.7 0.5
QB-312	3/4"x20-1/2"(20x520)	16000	9.0(254)	90(6.3)	14"(360)	-----	2.6 1.20	3/8"	91.8 0.4
QB-313	1-3/16"x21-1/4"(30x540)	13000	10.0(283)	90(6.3)	15-3/8"(390)	-----	5.2 2.40	3/8"	81.0 1.2
QB-321	3/8"x13"(10x330)	16000	4.0(113)	90(6.3)	12-5/8"(320)	-----	2.1 0.95	3/8"	88.0 1.0
QB-324	1/2"x24"(12.7x610)	16000	4.0(113)	90(6.3)	18"(455)	-----	2.4 1.10	3/8"	88.0 1.1
QB-322	3/4"x20-1/2"(20x520)	16000	4.0(113)	90(6.3)	17"(430)	-----	3.1 1.40	3/8"	88.0 1.3

AIR SANDER



QB-52
Non-Vacuum



QB-53
Self-Generated Vacuum



QB-54
Central-Vacuum



QB-55
Self-Generated Vacuum



QB-56
Self-Generated Vacuum



QB-45
Central-Vacuum



QB-46
Non-Vacuum



QB-47
Self-Generated Vacuum



QB-41
Central-Vacuum



QB-42
Non-Vacuum



QB-43
Self-Generated Vacuum



QB-48111
Non-Vacuum



QB-57602
Central-Vacuum



QB-58502
QB-58602

Non-Vacuum



QB-59602
Self-Generated Vacuum



QB-57642
Central-Vacuum



QB-58642
QB-58542

Non-Vacuum



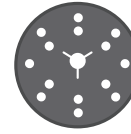
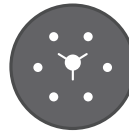
QB-59642
Self-Generated Vacuum



PAD

QB-9326/six hole 6"

QB-9327 fifteen hole 6"



	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight		Air Hose	Sound Pressure	Vibration Level	orbit
	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	HP	LBS(kg)		Inch	dBA	m/s ²	mm
QB-52502	5"(127)	10000	6(170)	90(6.3)	6"(153)	0.24	2.2	1.00	3/8"	87.6	1.2	5
QB-52602	6"(152)	10000	6(170)	90(6.3)	6-1/2"(166)	0.24	2.6	1.20	3/8"	87.6	1.7	5
QB-53802	5"(127)	10000	6(170)	90(6.3)	6"(153)	0.24	2.2	1.00	3/8"	86.2	1.1	5
QB-53902	6"(152)	10000	6(170)	90(6.3)	6-1/2"(166)	0.24	2.6	1.20	3/8"	80.1	1.6	5
QB-54602	6"(152)	10000	3.0(85)	90(6.3)	8-1/4"(210)	0.24	1.7	0.78	3/8"	81.6	1.5	5
QB-55602	6"(152)	10000	3.0(85)	90(6.3)	6-11/16"(157)	0.24	1.5	0.68	3/8"	81.6	1.5	5
QB-56602	6"(152)	10000	3.0(85)	90(6.3)	8-1/4"(210)	0.24	1.7	0.78	3/8"	81.6	1.5	5
QB-45602	6"(152)	10000	3.85(109)	90(6.3)	7-1/2"(193)	0.24	1.8	0.84	3/8"	81.6	2.2	5
QB-45612	6"(152)	10000	3.85(109)	90(6.3)	7-1/2"(193)	0.24	1.8	0.84	3/8"	81.6	2.2	2.5
QB-46502	5"(127)	10000	3.85(109)	90(6.3)	6"(153)	0.24	1.7	0.79	3/8"	80.1	2.2	5
QB-46512	5"(127)	10000	3.85(109)	90(6.3)	6"(153)	0.24	1.7	0.79	3/8"	80.1	2.2	2.5
QB-46602	6"(152)	10000	3.85(109)	90(6.3)	6-1/2"(166)	0.24	1.7	0.79	3/8"	80.1	2.2	5
QB-46612	6"(152)	10000	3.85(109)	90(6.3)	6-1/2"(166)	0.24	1.7	0.79	3/8"	80.1	2.2	2.5
QB-47602	6"(152)	10000	3.85(109)	90(6.3)	7-1/2"(193)	0.24	2.4	1.13	3/8"	84.7	2.2	5
QB-47612	6"(152)	10000	3.85(109)	90(6.3)	7-1/2"(193)	0.24	2.4	1.13	3/8"	84.7	2.2	2.5
QB-41902	6"(152)	10000	3.85(109)	90(6.3)	8"(206)	0.24	2.0	0.91	3/8"	81.5	1.2	5
QB-42502	5"(127)	10000	3.85(109)	90(6.3)	6"(153)	0.24	1.7	0.81	3/8"	75.7	1.4	5
QB-42602	6"(152)	10000	3.85(109)	90(6.3)	6-1/2"(166)	0.24	1.8	0.85	3/8"	74.4	1.4	5
QB-43802	5"(127)	10000	3.85(109)	90(6.3)	8"(206)	0.24	3.2	1.49	3/8"	83.9	1.3	5
QB-43902	6"(152)	10000	3.85(109)	90(6.3)	8-3/4"(221)	0.24	3.3	1.54	3/8"	83.0	1.4	5
QB-48111	4"x4-3/8"(100x110)	11000	7.0(198)	90(6.3)	5-1/5"(130)	0.28	2.0	0.91	3/8"	83.0	1.5	2.5
QB-57602	6"(152)	10000	3.10(88)	90(6.3)	9-7/16"(240)	0.4	2.6	1.2	3/8"	80.0	1.3	5
QB-58502	5"(127)	10000	3.10(88)	90(6.3)	9-7/16"(240)	0.4	2.6	1.2	3/8"	80.0	1.3	5
QB-58602	6"(152)	10000	3.10(88)	90(6.3)	9-7/16"(240)	0.4	2.6	1.2	3/8"	80.0	1.3	5
QB-59602	6"(152)	10000	3.10(88)	90(6.3)	9-7/16"(240)	0.4	2.6	1.2	3/8"	80.0	1.3	5
QB-57642	6"(152)	900	3.10(88)	90(6.3)	9-7/16"(240)	0.4	3.5	1.6	3/8"	82.0	<2.5	5
QB-58542	5"(127)	900	3.10(88)	90(6.3)	9-7/16"(240)	0.4	3.3	1.5	3/8"	82.0	<2.5	5
QB-58642	6"(152)	900	3.10(88)	90(6.3)	9-7/16"(240)	0.4	3.5	1.6	3/8"	82.0	<2.5	5
QB-59642	6"(152)	900	3.10(88)	90(6.3)	9-7/16"(240)	0.4	3.5	1.6	3/8"	82.0	<2.5	5

AIR PISTOL SANDER

AIR CUTTING TOOLS

★★   
QP-113



★★   
QP-123















PAD & SPONGE

QB-9403
 Rough(3")
 For QP-113

QB-9413
 Medium(3")
 For QP-123



QB-9323(3"PAD) 5/16"x24

	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure	Vibration Level	orbit
	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	HP	LBS(kg)	Inch	dBA	m/s ²	mm
							 				
QP-113	3"(76)	15000	3.5(99)	90(6.3)	5"(127)	0.40	1.5 0.72	3/8"	74.0	0.3	2.5
QP-123	3"(76)	2100	3.5(99)	90(6.3)	5-5/16"(135)	0.40	1.6 0.77	3/8"	74.0	0.3	---

★★★   
QD-321



★★★     
QC-213



★★★     
QC-234



★★★ 
QG-102



★★   
QD-221



★★★   
QD-291



★★   
QK-111



PNEUMATIC TOOLS

GLOBAL EXPANSION

★★  **QG-202**



★★   **QG-103**



★★     **PN-150**



QD-924
24T Saw Blade
Bi-Metal Material





















QB-913
3" Cut-off Wheel
3"x1/16"x3/8" Arbor Hole(75x1.5x10)




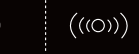














QD-932
32T Saw Blade
Bi-Metal Material













	Belt Size Pad Dia <small>inch(mm)</small>	Free Speed <small>R.P.M</small>	Avg. Air Consumption <small>CFM (L/min)</small>	Air Pressure <small>PSI (bar)</small>	Overall Length <small>Inch (mm)</small>	Motor <small>HP</small>	Net Weight <small>LBS kg</small>	Air Hose <small>Inch</small>	Sound Pressure <small>dBA</small>	Vibration Level <small>m/s²</small>
										
QC-213	3"(75)	20000	10.0(283)	90(6.3)	7-7/8"(200)	0.9	1.9 0.8	3/8"	80.2	10.8
QC-234	4"(100)	16000	10.0(283)	90(6.3)	14"(355)	0.9	3.5 1.5	3/8"	85.0	5.0

	Strokes Per min <small>S.P.M</small>	Avg. Air Consumption <small>CFM (L/min)</small>	Air Pressure <small>PSI (bar)</small>	Overall Length <small>Inch (mm)</small>	Net Weight <small>LBS kg</small>	Air Hose <small>Inch</small>	Sound Pressure <small>dBA</small>	Vibration Level <small>m/s²</small>	Cut Capacity <small>mm</small>	
									steel	aluminum
QG-102	2600	6.0(170)	90(6.3)	10"(254)	2.2 1.00	3/8"	85.8	2.4	1.2	1.6
QG-202	2600	6.5(184)	90(6.3)	8-1/4"(210)	2.4 1.10	3/8"	89.1	2.9	1.2	1.6
QG-103	2600	3.0 (85)	90(6.3)	7-3/5"(193)	2.2 1.00	3/8"	88.0	2.8	1.2	1.6

	Oscillation <small>per min</small>	Avg. Air Consumption <small>CFM (L/min)</small>	Overall Length <small>Inch (mm)</small>	Net Weight <small>LBS(kg)</small>	Air Hose <small>Inch</small>	Sound Pressure <small>dBA</small>	Vibration Level <small>m/s²</small>
							
QK-111	20000	6.0(170)	7-5/64" (180)	2.43(1.1)	10	75	3.9

	Punch Diameter	Capacity	Avg. Air Consumption <small>CFM (L/min)</small>	Air Pressure <small>PSI (bar)</small>	Overall Length <small>Inch (mm)</small>	Net Weight <small>LBS kg</small>	Air Hose <small>Inch</small>	Sound Pressure <small>dBA</small>	Vibration Level <small>m/s²</small>
									
PN-150	5	1.6 mm (Steel)	4.0(113)	90(6.3)	10"(254)	2.5 1.15	3/8"	62.0	0.1

	Strokes Length <small>mm</small>	Strokes Per min. <small>S.P.M</small>	Collef Size <small>mm</small>	Avg. Air Consumption <small>CFM (L/min)</small>	Air Pressure <small>PSI (bar)</small>	Overall Length <small>Inch (mm)</small>	Net Weight <small>LBS kg</small>	Air Hose <small>Inch</small>	Sound Pressure <small>dBA</small>	Vibration Level <small>m/s²</small>
										
QD-221	10	5000	4.0	4.0 (113)	90(6.3)	9-3/4"(250)	1.76 0.8	3/8"	81.9	4.1
QD-291	10	9000	5.0	4.0 (113)	90(6.3)	9-1/4"(235)	1.32 0.6	3/8"	80.0	2.4
QD-321	14.5	11000	---	4.5 (113)	90(6.3)	9-1/4"(230)	1.7 0.6	3/8"	83.0	2.0

AIR DRILL

★★  **QE-331/332**



★★  **QE-333/334**



★★  **QE-341/342**



★★  **QE-343/344**



★★  **QE-431/432**



★★  **QE-433/434**



★★  **QE-441/442**



★★  **QB-443/444**



★★★  **QE-532**



★★★  **QE-533**



★★★  **QE-542**



★★★  **QE-543**



★★  **QE-831**



★★  **QE-833**



★★  **QE-841**



★★  **QE-843**



★★  **QE-633**



★★  **QE-933**



QE-98L



**PNEUMATIC
TOOLS**
GLOBAL EXPANSION

	Chuck Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	m/s ²
QE-331	3/8"(10)	1800	6.5(184)	90(6.3)	8"(203)	2.42	1.1	3/8"	96.5	0.3
QE-332	3/8"(10)	2200	6.5(184)	90(6.3)	7-1/2"(190)	2.20	1.0	3/8"	96.5	0.3
QE-333	3/8"(10)	1800	6.5(184)	90(6.3)	8"(203)	2.42	1.1	3/8"	92.0	0.2
QE-334	3/8"(10)	2200	6.5(184)	90(6.3)	7-1/2"(190)	2.20	1.0	3/8"	92.0	0.2
QE-341	1/2"(13)	800	6.5(184)	90(6.3)	9"(230)	3.96	1.8	3/8"	96.5	0.1
QE-342	1/2"(13)	800	6.5(184)	90(6.3)	8-1/4"(209)	3.74	1.7	3/8"	96.5	0.1
QE-343	1/2"(13)	800	6.5(184)	90(6.3)	9"(230)	3.96	1.8	3/8"	97.5	0.1
QE-344	1/2"(13)	800	6.5(184)	90(6.3)	8-1/4"(209)	3.74	1.7	3/8"	97.5	0.1
QE-431	3/8"(10)	1800	4.0(112)	90(6.3)	8-29/32"(226)	2.6	1.18	3/8"	90.0	3.0
QE-432	3/8"(10)	2200	4.8(135)	90(6.3)	8-29/32"(226)	2.6	1.18	3/8"	90.0	3.0
QE-433	3/8"(10)	1800	4.0(112)	90(6.3)	9-1/16"(230)	2.7	1.23	3/8"	90.0	3.0
QE-434	3/8"(10)	2200	4.8(135)	90(6.3)	9-1/16"(230)	2.7	1.23	3/8"	90.0	3.0
QE-441	1/2"(13)	1100	4.0(112)	90(6.3)	10-53/64"(270)	3.5	1.58	3/8"	90.0	3.0
QE-442	1/2"(13)	1300	4.8(135)	90(6.3)	10-53/64"(270)	3.5	1.58	3/8"	90.0	3.0
QE-443	1/2"(13)	1100	4.0(112)	90(6.3)	10-53/64"(270)	3.8	1.73	3/8"	90.0	3.0
QE-444	1/2"(13)	1300	4.8(135)	90(6.3)	10-53/64"(270)	3.8	1.73	3/8"	90.0	3.0
QE-532	3/8"(10)	2800	4.8(135)	90(6.3)	9-9/16"(243)	2.7	1.23	3/8"	90.0	2.0
QE-533	3/8"(10)	2200	4.0(112)	90(6.3)	9-13/32"(189)	2.7	1.23	3/8"	90.0	2.0
QE-542	1/2"(13)	1300	4.8(135)	90(6.3)	11-1/64"(280)	3.8	1.73	3/8"	90.0	2.0
QE-543	1/2"(13)	1100	4.0(112)	90(6.3)	10-55/64"(276)	3.8	1.73	3/8"	90.0	2.0
QE-831	3/8"(10)	1800	4.0(113)	90(6.3)	7-1/4"(185)	2.5	1.10	3/8"	83.0	0.3
QE-833	3/8"(10)	1800	4.0(113)	90(6.3)	7-1/4"(185)	2.5	1.10	3/8"	83.0	0.3
QE-841	1/2"(13)	1100	4.0(113)	90(6.3)	8-1/4"(210)	3.7	1.70	3/8"	83.0	0.3
QE-843	1/2"(13)	1100	4.0(113)	90(6.3)	8-1/4"(210)	3.9	1.80	3/8"	83.0	0.3
QE-633	3/8"(10)	1600	3.0(85)	90(6.3)	8-1/4"(210)	2.4	1.10	3/8"	72.0	2.5
QE-933	3/8"(10)	2600	3.0(85)	90(6.3)	8-15/32"(215)	2.0	0.90	3/8"	72.0	2.5

AIR SCREWDRIVER

CLUTCH TYPE

Twin Hammer Type
Twin Dog Type



RA101C-Chuck-Type

RA-101/101C

Twin Dog Type



RA-102

Twin Dog Type



RA-105

Twin Dog Type



RA-110

Twin Hammer Type



RA-111

Twin Hammer Type



RA-201

Twin Dog Type



RA-606

Twin Dog Type



RA-608

Twin Dog Type



CLUTCH TYPE

Adjustable Clutch



RA-301



RA-302



RA-801



RA-802



CLUTCH TYPE



Shut-off Screwdriver


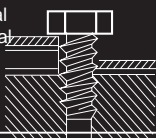

RA-3011/RA-3017/RA-3023

RA-4008/RA-4015/RA-4021

RA-5005/RA-5008/RA-5017



SELECTION GUIDE

Joint & Torque Curve	Feature	Clutch Type
Free Running Hard Stop / Soft Stop 	Turns easily until head seats, then instant resistance to torque build-up.	Shut-off Screwdriver
Self-Tapping Thick Material / Self-Tapping / Sheet Metal 	Constant heavy resistance until head seats. Then gradual or sudden build-up.	Adjustable Clutch
Self-Tapping Plastic / Wood Screws 	Constant heavy resistance until head seats. Then gradual or sudden build-up.	Twin Hammer Type Twin Dog Type












PNEUMATIC TOOLS

GLOBAL EXPANSION

ZT-31

Digital Torque Tester
Torque Range 0-150 kgf-cm



	Chuck Size	Torque Range	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
	inch(mm)	FT-LB(Nm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	m/s ²
											
RA-101	1/4"(6.35)	3.7-8.9(5-12)	9000	6.0(170)	90(6.3)	6-1/2"(166)	1.32	0.6	3/8"	85.7	2.2
RA-102	1/4"(6.35)	3.7-10.3(5-14)	9000	6.0(170)	90(6.3)	6-3/4"(172)	1.54	0.7	3/8"	86.7	3.7
RA-105	1/4"(6.35)	3.7-16.2(5-22)	8500	8.5(241)	90(6.3)	8-1/4"(208)	2.2	1.0	3/8"	96.7	4.9
RA-110	1/4"(6.35)	3.7-29.5(5-40)	8500	8.5(241)	90(6.3)	8-1/4"(208)	2.2	1.0	3/8"	96.7	4.9
RA-111	3/8"(10.0)	3.7-36.9(5-50)	8500	8.5(255)	90(6.3)	8-1/4"(208)	2.2	1.0	3/8"	96.7	4.9
RA-201	1/4"(6.35)	3.7-18.5(5-25)	10000	9.0(255)	90(6.3)	7"(180)	2.65	1.2	3/8"	93.0	5.3
RA-606	1/4"(6.35)	3.7-33.2(5-45)	8000	5.6(160)	90(6.3)	7-4/5"(198)	2.2	1.0	3/8"	82.0	2.2
RA-608	1/4"(6.35)	3.7-42.8(5-58)	8000	4.6(130)	90(6.3)	8-9/16"(217)	2.86	1.3	3/8"	86.0	3.5
RA-301	1/4"(6.35)	3.8-10(5-13.5)	1800	6.0(170)	90(6.3)	7-1/2"(190)	2.4	1.10	3/8"	95.3	4.2
RA-302	1/4"(6.35)	3.8-12(5-16.3)	800	6.0(170)	90(6.3)	9"(226)	2.8	1.30	3/8"	96.5	2.2
RA-801	1/4"(6.35)	3.8-10.4(5-14)	1800	4.0(113)	90(6.3)	7-3/4"(195)	2.7	1.20	3/8"	83.0	4.2
RA-802	1/4"(6.35)	3.8-13.3(5-18)	800	4.0(113)	90(6.3)	8-9/32"(210)	2.8	1.30	3/8"	83.0	4.2
RA-3011	1/4"(6.35)	9.7-18.5(1.1-2.1)	1100	3.2(90.2)	90(6.3)	7-3/8"(187)	0.94	0.42	1/4"	70.0	2.0
RA-3017	1/4"(6.35)	6.2-13.2(0.7-1.5)	1700	3.2(90.2)	90(6.3)	7-3/8"(187)	0.94	0.42	1/4"	70.0	2.0
RA-3023	1/4"(6.35)	3.5-8.8(0.4-1.0)	2300	3.2(90.2)	90(6.3)	7-3/8"(187)	0.94	0.42	1/4"	70.0	2.0
RA-4008	1/4"(6.35)	14.1-35.4(1.6-4.0)	800	3.7(104.3)	90(6.3)	8-1/4"(209)	1.43	0.65	1/4"	74.0	2.5
RA-4015	1/4"(6.35)	8.8-19.4(1.0-2.2)	1500	3.7(104.3)	90(6.3)	8-1/4"(209)	1.43	0.65	1/4"	74.0	2.5
RA-4021	1/4"(6.35)	8.8-13.2(1.0-1.7)	2100	3.7(104.3)	90(6.3)	8-1/4"(209)	1.43	0.65	1/4"	74.0	2.5
RA-5005	1/4"(6.35)	44.2-92.9(5.0-10.5)	480	4.0(112.8)	90(6.3)	9-1/2"(240)	2.2	1.0	3/8"	75.0	10
RA-5008	1/4"(6.35)	26.5-48.6(3.0-5.5)	800	4.0(112.8)	90(6.3)	9-1/2"(240)	2.2	1.0	3/8"	75.0	10
RA-5017	1/4"(6.35)	13.2-23.0(1.5-2.6)	1700	4.0(112.8)	90(6.3)	9-1/2"(240)	2.2	1.0	3/8"	75.0	10

SPRING BALANCER

SP-101/102/103
SP-104/105/111
SP-112/113



SP-212/213



SP-3050/3070
SP-3090/3150
SP-3220/3300



SP-3400/3500



SP-3600/3700



	Capacity Kg	Travel m	Rope	Rope Dia mm	Weight kg
SP-101	0.3~0.8	1.6	Cable	2.5	0.49
SP-102	0.6~1.5	1.6	Cable	2.5	0.52
SP-103	1.0~2.0	1.6	Cable	2.5	0.53
SP-104	1.5~3.0	1.5	Cable	3.2	0.76
SP-105	3.0~5.0	1.5	Cable	3.2	0.81
SP-111	0.3~0.8	1.6	Nylon	2.5	0.49
SP-112	0.6~1.5	1.6	Nylon	2.5	0.52
SP-113	1.0~2.0	1.6	Nylon	2.5	0.53
SP-212	0.3~1.2	1.6	Nylon	4.0	0.57
SP-213	0.8~2.0	1.6	Nylon	4.0	0.57

	Capacity Kg	Travel m	Rope	Rope Dia mm	Weight kg
SP-3015	0.5~1.5	1.3	Cable	2.0	0.73
SP-3030	1.5~3.0	1.3	Cable	3.2	1.73
SP-3050	3.0~5.0	1.3	Cable	3.2	1.82
SP-3070	5.0~7.0	1.3	Cable	3.2	1.85
SP-3090	5.0~9.0	1.3	Cable	4.0	3.59
SP-3150	9.0~15.0	1.3	Cable	4.0	3.61
SP-3220	15.0~22.0	1.3	Cable	4.8	7.7
SP-3300	22.0~30.0	1.3	Cable	4.8	8.3
SP-3400	30.0~40.0	1.5	Cable	4.8	9.7
SP-3500	40.0~50.0	1.5	Cable	4.8	10.1
SP-3600	50.0~60.0	1.5	Cable	4.8	11.1
SP-3700	60.0~70.0	1.5	Cable	4.8	11.4

AIR HAMMER

PNEUMATIC TOOLS
GLOBAL EXPANSION



SC-211C
SC-221C



SC-212C
SC-222C



SC-331C
SC-332C

Lower Vibration



SC-341C
SC-342C

Lower Vibration



SC-005



SC-07C[Set]



Item No.	Shank	Contents
SC-0517C	Round Shank	SC-211C
SC-0527C	Round Shank	SC-212C
SC-0617C	Hex Shank	SC-221C
SC-0627C	Hex Shank	SC-222C

	Shank	Chuck Size inch(mm)	Stroke Length mm	Bolw Per Minute bpm	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
SC-211C	●	0.401(10.2)	67	3200	4.0(113)	90(6.3)	6-7/8"(175)	3.7 1.7	3/8"	98.0	12.3
SC-221C	●	0.393(10)	67	3200	4.0(113)	90(6.3)	6-7/8"(175)	3.7 1.7	3/8"	98.0	12.3
SC-212C	●	0.401(10.2)	89	2200	4.0(113)	90(6.3)	8-7/8"(225)	4.4 2.0	3/8"	94.7	13.2
SC-222C	●	0.393(10)	89	2200	4.0(113)	90(6.3)	8-7/8"(225)	4.4 2.0	3/8"	94.7	13.2
SC-331	●	0.401(10.2)	71	3000	7.8(113)	90(6.3)	7-31/64"(190)	3.7 1.70	3/8"	92.0	9.5
SC-332	●	0.401(10.2)	92	2200	8.2(232)	90(6.3)	8-63/64"(228)	4.4 2.00	3/8"	94.0	10.6
SC-341	●	0.401(10.2)	71	3000	4.0(113)	90(6.3)	8-7/8"(190)	4.4 2.0	3/8"	94.7	9.5
SC-342	●	0.393(10)	92	3000	4.0(113)	90(6.3)	8-7/8"(228)	4.4 2.0	3/8"	94.7	10.6



SN-1032



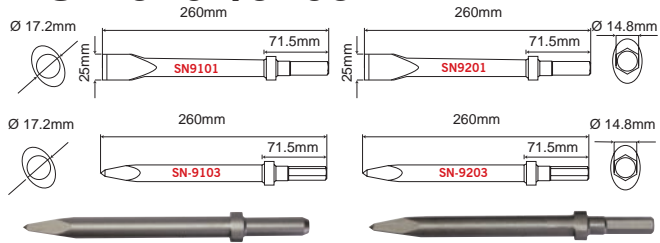
**SN-3111C/3112C/3113C/3114C
SN-3121C/3122C/3123C/3124C**



**SN-3212C/3213C/3214C
SN-3222C/3223C/3224C**



- **SN-9101/9103** Chisel For SN-31/SC-32 SERIES
- **SN-9201/9203**



SC-4 Chisel Set



SC-2A
Retainer



SC-2B
Quick Change Retainer

Shank	Chuck Size inch(mm)	Stroke Length mm	Bolw Per Minute bpm	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
● ● ■			bpm							
SN-1032	■	0.51(13)	33	4000	4.23(120)	90(6.3)	11-1/2"(290)	2.9 1.33	3/8"	91.0 14.5

Shank	Chuck Size inch(mm)	Stroke Length mm	Bolw Per Minute bpm	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
● ● ■			bpm							
SN-3111	●	0.68(17.2)	75	2500	10.0(283)	90(6.3)	15-1/2"(395)	15.4 7.0	1/2"	115.3 8.0
SN-3121	●	0.58(14.8)	75	2500	10.0(283)	90(6.3)	15-1/2"(395)	15.4 7.0	1/2"	115.3 8.0
SN-3112	●	0.68(17.2)	90	2300	20.0(566)	90(6.3)	16"(405)	16.1 7.3	1/2"	114.3 9.4
SN-3122	●	0.58(14.8)	90	2300	20.0(566)	90(6.3)	16"(405)	16.1 7.3	1/2"	114.3 9.4
SN-3113	●	0.68(17.2)	127	2000	22.0(622.6)	90(6.3)	17-3/4"(450)	17.6 8.0	1/2"	113.3 4.8
SN-3123	●	0.58(14.8)	127	2000	22.0(622.6)	90(6.3)	17-3/4"(450)	17.6 8.0	1/2"	113.3 4.8
SN-3114	●	0.68(17.2)	154	1600	24.0(679.2)	90(6.3)	18-1/2"(470)	18.3 8.3	1/2"	114.1 6.2
SN-3124	●	0.58(14.8)	154	1600	24.0(679.2)	90(6.3)	18-1/2"(470)	18.3 8.3	1/2"	114.1 6.2
SN-3212	●	0.68(17.2)	78	2300	5.0(141.5)	90(6.3)	14-5/8"(373)	17.2 7.8	1/2"	114.3 9.4
SN-3222	●	0.58(14.8)	78	2300	5.0(141.5)	90(6.3)	14-5/8"(373)	17.2 7.8	1/2"	114.3 9.4
SN-3213	●	0.68(17.2)	119	1900	5.6(158.5)	90(6.3)	16-1/2"(419)	18.7 8.5	1/2"	113.3 4.8
SN-3223	●	0.58(14.8)	119	1900	5.6(158.5)	90(6.3)	16-1/2"(419)	18.7 8.5	1/2"	113.3 4.8
SN-3214	●	0.68(17.2)	142	1700	5.9(167.0)	90(6.3)	17-1/2"(445)	19.4 8.8	1/2"	114.1 6.2
SN-3224	●	0.58(14.8)	142	1700	5.9(167.0)	90(6.3)	17-1/2"(445)	19.4 8.8	1/2"	114.1 6.2

AIR NEEDLE SCALER

PNEUMATIC TOOLS
GLOBAL EXPANSION



SN-1368



SN-1268



SN-1288



SN-2110



SN-268

(19 Needle Set) 3x180 m/m

SN-268 for SN-1268 / SN-2110 / SN-1368



SN-288

(12 Needle Set) 3x125 m/m

SN-288 for SN-1288

SC-33c/34C

Needle Scaler Adaptor for Air Hammer Tools use Round / Hex

19pcs 3mmx180mm

- SC-33C - / Round
- SC-34C - / Hex

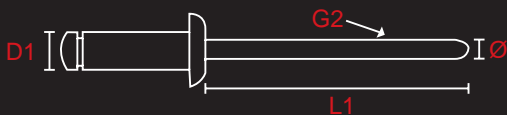


Item No.	Shank	Contents
SC-33C	Round Shank	SC-211/212/331/332
SC-34C	Hex Shank	SC-221/222/341/342



	Needle Diameter mm	Numbers of Needle inch(mm)	Stroke Length mm	Bolw Per Minute bpm	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
SN-1268	3x180	19	28	4600	15(424)	90(6.3)	18-1/8"(460)	6.1 2.80	3/8"	91.0	13.7
SN-1288	3x125	12	32	5500	3(84.96)	90(6.3)	11-3/8"(290)	2.8 1.30	3/8"	86.0	7.6
SN-1368	3x180	19	27	3400	16(453)	90(6.3)	17"(430)	5.9 2.70	3/8"	91.0	13.7
SN-2110	3x180	19	33	3700	15(424)	90(6.3)	13"(330)	6.1 2.80	3/8"	97.0	9.7

RIVET	MATERIAL		RIVET DIAMETER (ØMM)						
	RIVET	MANDREL	(2.5) 2.4	(3.0) 3.2	4.0	(5.0) 4.8	6.4	7.2	8.0
PA-111	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
PA-201	stainless	stainless							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-201V	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-211	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-301	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-301V	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-301MV	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-321	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-202	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-312	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-401V	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-401MV	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-211TS	stainless	steel							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							



**Hydraulic cylinder
Recommended Oil**

- SHELL Tellus NO.46
- ESSO Teresso NO.46
- MOBIL D.T.E 25 oil
- USM Spec NO.300B Oil
- CPC Circulation Oil R68

	Rivet (D1)	Mandrel (L1)	Rivet Dia. (Ø)
Blind Rivet	2.4mm	above27mm	1.42~1.51(G2)
	3.2mm	above28mm	1.83~1.92(G2)
	4.0mm	above29mm	2.28~2.42(G2)
	4.8mm	above30mm	2.64~2.91(G2)
PA-211TS	6.4mm	above30mm	3.84~4.15(G2)
	6.4mm	above40mm	3.84~4.15(G2)
	8.0mm	above40mm	4.35~4.65(G2)

AIR HYDRAULIC RIVETER



PA-111



PA-201



PA-211



PA-301



PA-321



PA-531



PA-541



PA-201V



	Traction Power lb.-f/(kg.-f)	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Avg. Air Consumption L/cycle	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
PA-111	4100(1860)	26	4.8-6.4	90(6.3)	2.88	6.6 3.00	3/8"	82.0	0.8
PA-201	3534(1603)	14	2.4-6.4	90(6.3)	2.32	3.9 1.80	3/8"	79.7	0.5
PA-211	3748(1700)	18	2.4-6.4	90(6.3)	2.9	3.8 1.75	3/8"	79.7	0.8
PA-301	2303(1045)	16	2.4-4.8	90(6.3)	1.48	3.3 1.50	3/8"	79.7	0.3
PA-321	2612(1185)	22	2.4-4.8	90(6.3)	1.48	3.3 1.50	3/8"	79.7	0.4
PA-531	4100(1860)	23	4.8	90(6.3)	2.88	6.6 3.00	3/8"	82.0	0.8
PA-541	4100(1860)	23	6.4	90(6.3)	2.88	6.6 3.00	3/8"	82.0	0.8
PA-201V	3534(1603)	14	2.4-6.4	90(6.3)	2.32	3.9 1.79	3/8"	79.7	0.5

AIR HYDRAULIC RIVETER

★★   
PA-301V



★★  
PA-301MV



★★  
PA-401V



★★  
PA-401MV













★★ 
PA-202



★★ 
PA-312



	Traction Power lb.-f.(kg.-f)	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Avg. Air Consumption L/cycle	Net Weight LBS kg		Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
										
PA-301V	2303(1045)	16	2.4-4.8	90(6.3)	1.48	3.3	1.50	3/8"	79.7	0.3
PA-301MV	2303(1045)	16	2.4-4.8	90(6.3)	1.48	3.3	1.50	3/8"	79.7	0.3
PA-401V	1532(695)	16	2.4-4.0	90(6.3)	0.67	2.5	1.25	3/8"	79.7	0.3
PA-401MV	1532(695)	16	2.4-4.0	90(6.3)	0.67	2.5	1.25	3/8"	79.7	0.3
PA-202	2460(1200)	14	3.2-6.4	90(6.3)	1.8	4.2	1.91	3/8"	79.7	0.3
PA-312	1983(900)	18	2.4-4.8	90(6.3)	1.8	3.8	1.74	3/8"	75.3	0.4

★★ **PA-211TS**



★★ **PB-1310**



★★ **PB-2402**



★★ **PC-1012**



Collet	Metric	SAE
T4	3	1/8"
T5	4	5/62"
T5.5	5	3/16"
T6	6	1/4"
T6.2	7	5/16"
T7	8	3/8"
T8.5	10	7/16"

PA-MC

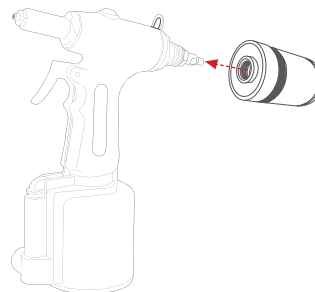
Automatic Mandrel Collection



CONTENTS
 3/32"(2.4mm) 220pcs
 1/8" (3.2mm) 160pcs
 5/32"(4.0mm) 110pcs
 3/16"(4.8mm) 80pcs

PE-MC

Automatic Mandrel Collection



	Capacity			Free Speed R.P.M	Stroke Length inch(mm)	Avg. Air Consumption L/cycle	Air Pressure		Net Weight		Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
	steel	copper	aluminum				PSI (bar)	LBS	kg				
PC-1012	M3~M10	M3~M12	M3~M12	265	10-7/16"(265)	4.0(113)	90(6.3)	4.7	2.1	3/8"	89	1.5	
	Traction Power lb.-f.(kg.-f)	Free Speed R.P.M	Stroke Length mm	Capacity mm	Air Pressure PSI (bar)	Avg. Air Consumption L/cycle	Net Weight		Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²		
							LBS	kg					
PB-1310	3748(1700)	400	---	M8 - M10	90(6.3)	7.8	2.7	1.74	3/8"	86.0	1.6		
PB-2402	3638(1650)	---	9	Steel M4~M10 Stainless M4~M8	90(6.3)	1.50	3.4	1.55	3/8"	82.0	0.8		
PA-211TS	3748(1700)	---	18	2.4-6.4	90(6.3)	2.90	3.8	1.75	3/8"	79.7	0.8		

RIVETER ADAPTOR

PA-9048

4.8mm (3/16) Riveter Adaptor



PA-9064

6.35mm (1/4) Riveter Adaptor



PB-9006

M6 Rivet Nut Adaptor



PB-9010

M10 Rivet Nut Adaptor



Assembling and Using Before first Use

Remove the unit and the accessory out of the packaging . keep packaging materials Out of reach of children.there is risk of suffocation



Technical Data

PA-9048

USED IN QE-331/332 / QE-333/334 / QE-431/432 / QE-433/434 / QE-532 / QE-533 / QE-833 / QE-831 / QE-633 /QE-933

Dimensions	59mm x158mm(2-11/32 x 6-3/16 inch)
Net Weight	318g=0.70 lbs
Gross Weight	368g=0.81 lbs
Nosepiece	2.4mm(3/32),3.2mm(1/8)
Nosepiece	4.0mm(5/32),4.8mm(3/16)
Hex Shank	1/4" (6.35 mm)
Cordless Drill	12V 14.4V 18V
Cordless Drive	12V 14.4V 18V
Reversible electric	3/8"Drill
Reversible pneumatic	3/8"Drill
Min. Torque Strength	11 Nm = 8 ft/lbs
Max. rpm	1,000 rpm

1 Hex Shank	1/4 (6.35 mm)
2 Housing	PA+GF
3 Nosepiece	2.4mm , 3.2mm, 4.0mm, 4.8mm
4 Sight Window	Blind Rivet Loading
5 Wrench	1PC

PA-9064

USED IN QE-341/342 / QE-343/344 / QE441/442 / QE-443/444 / QE-542 / QE-543 / QE-841 / QE-843

Dimensions	59mm x173mm(2-11/32 x 6-3/4 inch)
Net Weight	330g=0.73 lbs
Gross Weight	500g=1.10 lbs
Nosepiece	3.2mm(1/8), 4.0mm(5/32)
Nosepiece	4.8mm(3/16),6.4mm(1/4)
Hex Shank	1/4" (6.35 mm)
Cordless Drill	14.4V ,18V
Cordless Drive	14.4V ,18V
Reversible electric	1/2"Drill
Reversible pneumatic	1/2"Drill
Min. Torque Strength	50 Nm = 37 ft/lbs
Max. rpm	1,000 rpm

1. Hex Shank	1/4 (6.35 mm)
2. Housing	PA+GF
3. Nosepiece	3.2, 4.0, 4.8, 6.4mm
4. Sight Window	Blind Rivet Loading
5. Wrench	1PC
6. Handle	1PC

PB-9006

Dimensions	59mm x172mm(2-11/32" x 6-25/32")
Weight	280g=0.62 lbs
Nosepiece	M3 M4 M5 M6
Cordless Drill	M3 M4 M5 M6
Hex Shank	1/4" (6.35 mm)
Cordless Drill	12V 14.4V
Cordless Drive	12V 14.4V
Reversible electric	Drill (Advice 500W)
Reversible pneumatic	Drill (Advice 3/8")
Min. Torque Strength	15 Nm = 11 ft/lbs
Max. rpm	1000 rpm

PB-9010

Dimensions	59mm x180mm(2-11/32" x 7-3/32")
Weight	350g=0.77 lbs
Nosepiece	M6 M8 M10
Cordless Drill	M6 M8 M10 (only Aluminum)
Hex Shank	1/4" (6.35 mm)
Cordless Drill	14.4V
Cordless Drive	18V
Reversible electric	Drill (Advice 500W)
Reversible pneumatic	Drill (Advice 1/2")
Min. Torque Strength	100 Nm = 73.7 ft/lbs
Max. rpm	800 rpm

AIR NAILER AIR STAPLER

★★  **SJ-1650T**



★★  **SJ-1830F
SJ-C1830F**



★★  **SU-C422J
SU-C1022J**



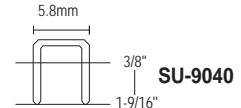
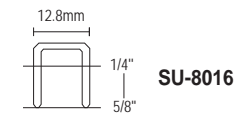
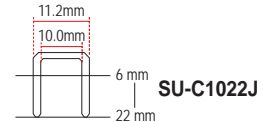
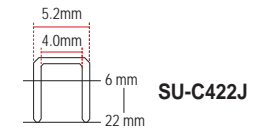
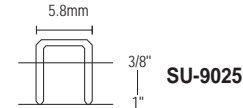
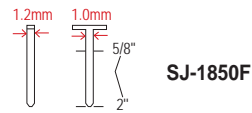
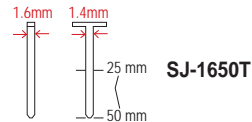
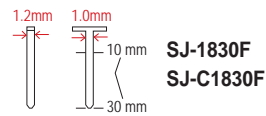
★★  **SJ-1850F**



★★  **SU-8016
SU-9025**



★★  **SU-9040**



	Gauge	Nail Length	Stapler Length	Shank Thickness	Shank Width	Load Capacity	Weight	Working Pressure
		mm(inch)	mm(inch)	mm	mm	Nails	kgs	PSI
SJ-1650T	16	25-50(3/4"-2")	----	1.4	1.6	100	2.35	90
SJ-1830F	18	10-30(3/8"-1-1/6")	----	1.0	1.2	100	1.20	90
SU-C422J	20	----	6-22(1/4"-7/8")	5.2	1.15*0.58	100	1.15	90
SU-C1022J	20	----	6-22(1/4"-7/8")	11.2	1.15*0.58	100	1.20	90
SJ-1850F	18	(15-50)5/8"-2"	----	1.0	1.2	100	1.40	90
SU-8016	21	----	(6-16)1/4"-5/8"	12.8	0.95*0.65	100	0.96	90
SU-9025	18	----	(10-25)3/8"-1"	5.8	1.25*1.0	100	1.10	90
SU-9040	18	----	(19-40)3/8"-1-9/16"	5.8	1.25*1.0	100	2.18	90

AIR GREASE GUN / AIR BLOW GUN

JC-304/JC-310/JC-313 JC-320/JC-340

JC-310 Same feature as JC-304, with 10" extended nozzle.
 JC-313 Same feature as JC-304, with 13" extended nozzle.
 JC-320 Same feature as JC-304, with 20" extended nozzle.
 JC-340 Steel feature as JS-304, with 40" extended nozzle



JC-291

Standard Safety Tip



JC-292(SET)

Standard Safety Tip



JC-507



JC-640



JC-504



JC-510



SG-400



SG-400



SG-400



SG-101



SO-10T



	Nozzle Length inch	Working Pressure PSI (bar)	Max Pressure PSI (bar)	Avg. Air Consumption CFM(L/min)	Avg. Air Consumption CFM(L/min)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA
JC-304	4"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.15 0.07	3/8"	90.0
JC-310	10"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.22 0.10	3/8"	90.0
JC-313	13"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.24 0.11	3/8"	90.0
JC-320	20"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.31 0.14	3/8"	90.0
JC-340	40"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.50 0.23	3/8"	90.0
JC-640	40"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.92 0.42	3/8"	90.0
JC-504	4"	90-120(6.2-8.5)	220(15.1)	13.0(368)	15.0(425)	0.35 0.16	3/8"	80.0
JC-507	6-1/2"~12"	90-120(6.2-8.5)	220(15.1)	13.0(368)	15.0(425)	0.48 0.22	3/8"	75.0
JC-510	10"	90-120(6.2-8.5)	220(15.1)	13.0(368)	15.0(425)	0.42 0.19	3/8"	80.0

	Air Inlet inch	Working Pressure kgf/cm ²	Proof Pressure kgf/cm ²	Capacity C.C.	Air Hose Inch	Net Weight LBS kg	Sound Pressure dBA	Vibration Level m/s ²
SG-400	1/4"	2.8-8.4	10.5	400	3/8"	3.2 1.46	80.2	0.7
SG-400C	1/4"	2.8-8.4	10.5	400	3/8"	2.2 1.0	81.4	0.6
SG-401	1/4"	2.8-8.4	10.5	400	3/8"	3.52 1.6	74.0	2.0

AUTO REPAIR TOOL

PNEUMATIC TOOLS
GLOBAL EXPANSION



NC-0208[SET]

CONTENTS

- 1pc 1/4" Air Impact Wrench (NC-2710)
- 5pcs Socket:8.9.10.11.12mm
- 1pc 1/4" Drive Universal Joint
- 1pc 1/4" Extension Bar
- 1pc Plug (adapter)



QB-802



QB-812



QB-0808



QT-102



QT-203



	Chuck Size inch(mm)	Collet Size inch(mm)	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor hp	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	Vibration Level m/
							hp				
QT-102	----	1/4" (6)	7500	3.0 (85)	90(6.3)	5-1/2"(140)	0.3	0.9 0.41	3/8"	77.0	1.3
QT-203	Hex.7/16"(11.1)	----	4000	10.6 (300)	90(6.3)	9-3/4"(250)	0.5	1.76 0.80	3/8"	75.0	0.87

	Square Drive Inch	Bolt Capacity Inch (mm)	Torque Range FT-LB (Nm)	Max Torque FT-LB Nm	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
NC-2710	1/4"	M8	10-40(7.4-29.5)	29 40	11000	5.3(150)	90 (6.3)	5-3/8" (163)	1.76 0.8	3/8"	91.0	3.4

	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Motor HP	Net Weight LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
					hp				
QB-802	3600	10.6(300)	90(6.3)	7-7/8"(200)	0.7	2.6 1.2	3/8"	86	0.3
QB-812	4000	10.0(283)	90(6.3)	8-7/8"(225)	0.5	1.7 0.8	3/8"	75	0.87

AUTO REPAIR TOOL

SB-201



SB-215



SB-304



SB-422



SB-423



SB-501



SX-2101



SQ-0217



	Cup Capacity L	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS(kg)	Air Hose Inch	Sound Pressure dBA	
SX-2101	1.0	5500	2.0 (56.6)	90(6.3)	8-7/32*4-5/16" 210*110mm	1.71	0.78	3/8"	85.0

	Max Pressure PSI (bar)	Air Consumption at 100PSI CFM	Air Inlet Inch	Air Pressure PSI (bar)	Net Weight LBS kg	Air Hose Inch	Nozzle Length cm	Nozzle
SB-201	160(11.0)	1.41	1/4"	90(6.3)	0.70 0.32	3/8"	30	Tyre valve clip
SB-215	160(11.0)	1.41	1/4"	90(6.3)	0.70 0.32	3/8"	150	Tyre valve clip
SB-304	160(11.0)	1.41	1/4"	90(6.3)	1.41 0.65	3/8"	30	Dual chuck
SB-422	160(11.0)	1.41	1/4"	90(6.3)	1.21 0.55	3/8"	45	Tyre valve clip
SB-423	220(15.0)	1.41	1/4"	90(6.3)	2.92 1.33	3/8"	100	Tyre valve clip
SB-501	160(11.0)	1.41	1/4"	90(6.3)	2.92 1.33	3/8"	30	Dual chuck

SE-1025



SE-1101



	LED Quantity w	Li-LON Rechargeable Battery V(mAH)	Charger Input AC(DC)	Power Output V(mAH)	Charger Time Hours	Active Time Hours
SE-1025	5	3.6(2200)	100~240(12-24)	5.0(1000)	3.5~4	3~4
SE-1101	5	4.2(2600)	3.6~4.2	---	6~7	3~10

SR-1101



	Nozzle Bore mm	Color Cup Capacity c.c	Spray Control
SR-1101	0.2	7.0	by Needle Adjustor

**SM-0901
SM-0902
SM-0903**



SM-0502



	Air Pressure PSI	Net Weight		Capacity L
		LB	KG	
SM-0901	70 -170	10.3	4.7	9.0
SM-0902	70 -170	10.3	4.7	9.0
SM-0903	70 -170	8.80	4.0	9.0
SM-0502	70 -170	5.50	2.5	2.0

SK-1010



	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight		Air Hose Inch
				LBS	kg	
SK-1010	4.0(113)	50~70(3.4~4.8)	12" (305)	2.43	1.1	3/8"

QM-1125



	Capacity Inch (mm)	Max Air Pressure PSI (bar)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight		Air Hose Inch
					LBS(kg)		
QM-1125	1"-4-3/8"(25-110)	125(8.6)	90(6.3)	17-3/8"(442)	7.15	3.25	3/8"

FILTER, REGULATOR, LUBRICATOR

MOBILE CABINETS

SV-2220

Air inlet: 1/4"



SV-2230

SV-2330

Air inlet : 1/4" / 3/8"



SV-2431

Air inlet: 1/2"



SV-2260/2280

Air inlet: 1/4"

SV-2360/2380

Air inlet: 3/8"



SV-3260/3360

Air inlet: 3/8"



SV-3460

SV-3660

Air inlet: 1/2"



SV-2460

Air inlet: 1/2"



SV-3660

SV-3860

Air inlet : 3/4" / 1"



SV-2660

SV-2860

Air inlet : 3/4" / 1"



SW-12

SW-13



QB-46602JC



NC-4230NE



QB-54702JC



QP-123QP



ST-10A5

Cabinet With Air Hose Reel



CABINET

DRAWER

AIR HOSE
REEL TYPE

LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	QTY
680	460	810	
580	406	75	3
580	406	150	2
8mm x 12mm x 15m			

ST-20A7A

7 Drawer - Work Bench + Air Hose Reel



CABINET

DRAWER

AIR HOSE
REEL TYPE

LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	QTY
1515	500	860	
680	460	810	
580	406	75	5
580	406	150	2
8mm x 12mm x 15m			

	Air in / outlet inch	Max Input Pressure PSI	Max Output Pressure PSI	Max.Flow L/min	Working Temperature °C	Drain Capacity ml	Oil Capacity ml
	—	—	—	—	Working	—	—
SV-2230	1/4"	215	70-140	1100	5~60°	15	50
SV-2330	3/8"	215	70-140	1100	5~60°	15	60
SV-2431	1/2"	285	70-140	1100	5~60°	15	80
SV-2220	1/4"	150	70-140	1100	5~60°	15	30
SV-2260/2360	1/4" / 3/8"	215	70-150	1750 / 2500	5~60°	80	150
SV-2280/2380	1/4" / 3/8"	250	70-140	1750 / 2500	5~60°	80	150
SV-3260/3360	1/4" / 3/8"	215	70-150	1750 / 2500	5~60°	80	150
SV-2230	1/4"	215	70-140	1100	5~60°	15	50
SV-2330	3/8"	215	70-140	1100	5~60°	15	60
SV-2431	1/2"	285	70-140	1100	5~60°	15	80
SV-2220	1/4"	150	70-140	1100	5~60°	15	30
SV-2260/2360	1/4" / 3/8"	215	70-150	1750 / 2500	5~60°	80	150
SV-2280/2380	1/4" / 3/8"	250	70-140	1750 / 2500	5~60°	80	150
SV-3260/3360	1/4" / 3/8"	215	70-150	1750 / 2500	5~60°	80	1
SV-2460	1/2"	150	7-215	4000	5~60°	80	150
SV-3460/3660	1/2" / 3/4"	250	7-215	4000/4600	5~60°	80	150
SV-2260/2360	3/4" / 1"	250	225	4600 / 5200	5~60°	300	300
SV-3660/3860	3/4" / 1"	250	225	4600 / 5200	5~60°	300	350

AIR HOSE REEL

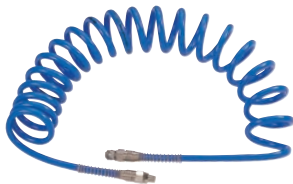
SA-215 /315



SY-2001M SY-2002M



SD-23



SY-M SY-F Air Adaptor / Quick Couplings Air Adaptor

Item No.	Thread Type	Thread Size	Type	Picture
SY-211M SY-211F	Male Female	1/4" PT	Europe	
SY-221M SY-321M	Male	1/4" PT 3/8" PT	Japan	
SY-221F SY-321F	Female	1/4" PT 3/8" PT		
SY-231M SY-231F	Male Female	1/4" NPT	U.S.A	
SY-251M SY-351M	Male	1/4" PT 3/8" PT	France	
SY-251F SY-351F	Female	1/4" PT 3/8" PT		

Air Coupler

Item No.	Thread Type	Thread Size	Type	Picture
SY-210M SY-210F	Male Female	1/4" PT	Europe	
SY-220M SY-320M	Male	1/4" PT 3/8" PT	Japan	
SY-220F SY-320F	Female	1/4" PT 3/8" PT		
SY-230M SY-230F	Male Female	1/4" NPT	U.S.A	
SY-250M SY-250F	Male Female	1/4" PT	France	

	Hose Inside Diameter mm	Hose outside Diameter mm	Hose Length M(inch)	Working Pressure bar	Break Pressure kg/cm ²	Male PT Fitting inch	Female PT Fitting inch	Weight kg
	8.0	12.0	15(590)	7.0	20	1/4"	-----	5.3
	10.0	15.0	15(590)	7.0	20	3/8"	-----	8
	8.0	12.0	10(393)	7.0	20	1/4"	-----	-----
	8.0	12.0	15(590)	7.0	20	1/4"	-----	-----
	5.0	8.0	10(393)	7.0	20	1/4"	-----	-----
	5.0	8.0	15(590)	7.0	20	1/4"	-----	-----
	10	15.0	15(590)	7.0	20	3/8"	-----	-----
	13	18.0	15(590)	7.0	20	1/2"	-----	-----

NC-4211 SV-1220/1320 SV-1210/1310



QE-131 QG-101 QB-612



	Square Drive	Bolt Capacity	Torque Range	Max Torque	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure		
	Inch	Inch (mm)	FT-LB (Nm)	FT-LB Nm	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA		
NC-4211	1/2"	5/8"(16)	160-320(210-430)	425	576	7000	4.2(119)	90 (6.3)	7-1/2" (190)	5.3	2.4	3/8"	93.3
NC-													

	Air in / outlet	Working Pressure	Proof Pressure	Regulation Pressure Range	Working Temperature	Min.Flow for Oil Drip	Weight
	inch	kgf/cm²(Mpa)	kgf/cm²(Mpa)	kgf/cm²(Mpa)	°C	L/min	LBS(kg)
	—	Working	—	—	—	—	lb/kg
SV- 1210	1/4"	0-9.9(0-0.99)	15(1.5)	-----	5-60	50	0.66(0.3)
SV- 1310	3/8"	0-9.9(0-0.99)	15(1.5)	-----	5-60	50	0.66(0.3)
SV- 1220	1/4"	0-9.9(0-0.99)	15(1.5)	0.5-8.5(0.05-0.85)	5-60	-----	1.10(0.5)
SV- 1320	3/8"	0-9.9(0-0.99)	15(1.5)	0.5-8.5(0.05-0.85)	5-60	-----	1.10(0.5)

	Pad Dia	Rated Power	Chuck Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Sound Pressure	
	inch(mm)	HP	inch	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS(kg)	dBA	
QB- 612	2"(50.8)	0.3	-----	15000	8.0(226)	90 (6.3)	7-1/2" (190)	1.46	0.66	88.7
QG- 101	-----	-----	-----	2500	6.0(170)	90 (6.3)	10"(225)	2.43	1.1	85.8
QG- 201	-----	-----	-----	2200	6.5(184)	90 (6.3)	8"(205)	2.85	1.3	89.1
QE- 131	-----	0.48	10	1800	5.0(141)	90(6.3)	9"(230)	2.75	1.25	91.6

CORDLESS TOOLS

DW-18262

Cordless Impact Wrench

CONTENTS

2pcs 20V 2.6 Ah Lithium-ion
1pc Lithium-ion Battery Charger
1pc Auxiliary Handle



DS-18132

Cordless Impact Driver

CONTENTS

2pcs 20V 2.6 Ah Lithium-ion
1pc Lithium-ion Battery Charger
1pc Auxiliary Handle



DD-18132

Cordless Drill

CONTENTS

2pcs 20V 2.6 Ah Lithium-ion
1pc Lithium-ion Battery Charger
1pc Auxiliary Handle



DH-18262

Cordless Hammer Drill

CONTENTS

2pcs 20V 2.6 Ah Lithium-ion
1pc Lithium-ion Battery Charger
1pc Auxiliary Handle



AG-50853

Angle Grinder



AG-92103

Angle Grinder



	Chuck size	Max. drill capacity	Bolt capacity	Battery	Max. torque	No load speed	Impact rate	Torque setting	Weight
	inch / mm	mm (steel / wood)	----	Li-ion Ah	Nm	rpm	bpm	----	kg
DW1826	1/2" / 12.7	----	M6 ~ M24	2.6	542	0~1900	0~2200	-----	3.2
DS1813	1/4" / 6	----	M6 ~ M16	1.3	160	0~2500	0 ~ 3200	-----	1.9
DD1813	---- / 13	13 / 32	----	1.3	52	Low 0-350 High 0-1300	----	23+1	2.5
DH1826	---- / 13	13 / 32	----	2.6	67	Low 0-350 High 0-1300	0-6300 0-23400	23+1	2.5

	Rated power input	Grinding spindle thread	Grinding / cutting disc diameter	No load speed	Weight
	W	----	mm	rpm	kg
AG50853	850	M14	5"(125)	11000	1.6
AG92103	2100	M14	9"(230)	6000	4.9

TORQUE WRENCH

TE-401211N

1/2" Torque Wrench, 10-210Nm, Engrave Nm / ft-lb scale

DIN ISO-6789 AMSE B107.14-2004



Adjustable Torque Wrench Rotating Ring Type

1/2" TORQUE WRENCH, Window display. Nm / ft-lb scale, Rotating
TW-402101N / TW-404201N / TW-406301N / TW-408401N

3/4" TORQUE WRENCH, Window display. Nm / ft-lb scale, Rotating
TW-611551N / TW-615751N

DIN ISO-6789 AMSE B107.14-2004



Adjustable Torque Wrench Back Tuning Type

1/2" TORQUE WRENCH, Window display. Nm / ft-lb scale, Back Tuning
TW-402102N / TW-404202N / TW-406302N / TW-408402N

3/4" TORQUE WRENCH, Window display. Nm / ft-lb scale, Back Tuning
TW-611552N / TW-615752N

DIN ISO-6789 AMSE B107.14-2004



	Drive	Torque Range (Nm)	Torque Range (ft-lb)	Indicator	Torque Adjusting	D mm	H mm	L mm	Weight kg
TW-402101N	1/2"	20-100	15-75	Magnifying glass	Rotating	40.5	40	405	1.02
TW-404201N	1/2"	40-200	30-150	Magnifying glass	Rotating	40.5	40	500	1.20
TW-406301N	1/2"	60-300	45-200	Magnifying glass	Rotating	40.5	40	595	1.33
TW-408401N	1/2"	80-400	60-300	Magnifying glass	Rotating	40.5	40	680	1.82
TW-402102N	1/2"	20-100	15-75	Magnifying glass	Back Tuning	40.5	40	405	1.02
TW-404202N	1/2"	40-200	30-150	Magnifying glass	Back Tuning	40.5	40	500	1.20
TW-406302N	1/2"	60-300	45-200	Magnifying glass	Back Tuning	40.5	40	595	1.33
TW-408402N	1/2"	80-400	60-300	Magnifying glass	Back Tuning	40.5	40	680	1.82
TW-611551N	3/4"	110-550	75-405	Magnifying glass	Rotating	63.0	58	970	3.70
TW-615751N	3/4"	150-750	112.5-555	Magnifying glass	Rotating	63.0	58	1150	5.60
TW-611552N	3/4"	110-550	75-405	Magnifying glass	Back Tuning	63.0	58	970	3.70
TW-615752N	3/4"	150-750	112.5-555	Magnifying glass	Back Tuning	63.0	58	1150	5.60
TE-401211N	1/2"	10-210	7.4-155	Engrave	Rotating	46.3	33	462	1.37