

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 for 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!

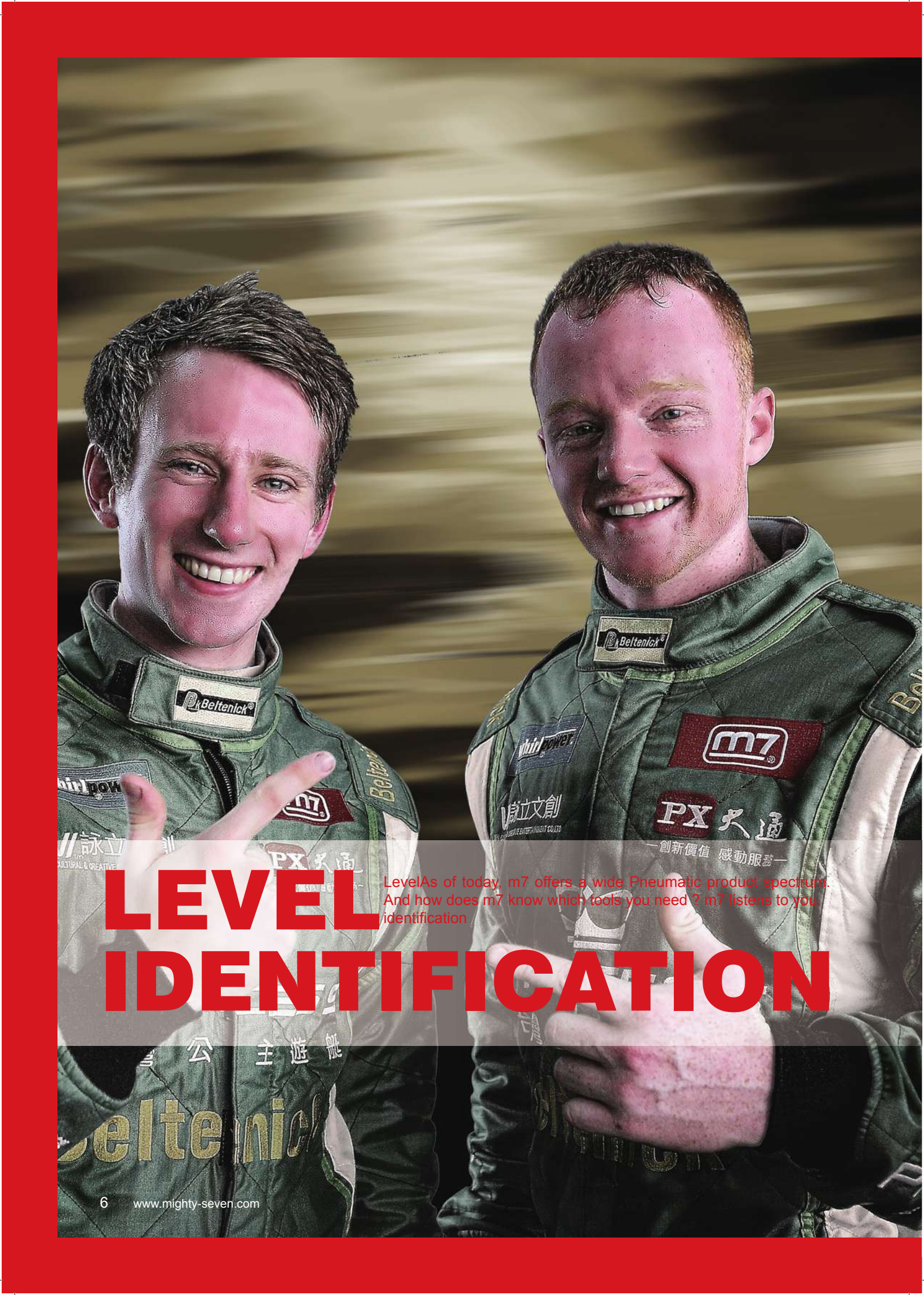
m7 as it is affectionately called by thousands of users world-wide, is much more than just a good manufacturer of air tools. In fact, m7 provides a total brand solution for its air tool partners and consumers. m7's team is composed of a strong network of International air tool experts and an enthusiastic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

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

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

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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



IN-PROCESS INSPECTION

What do we check during an
In-Process Inspection?

The In-Process Inspection (IPI) covers our whole production process including the raw materials, unfinished products and assembly. Our team of inspectors chooses a specific quantity of completed products, according to AQL tables (MIL STD 105E). We inspect product appearance, workmanship quality, size measurements, weight check, functionality assortment, accessories, labeling & logos, packaging, packing and other tests and special requirements, depending on the product.





Twin Hammer Type

NEW Twin Hammer Type

Jumbo Hammer Type

Twin Dog Type

Pin Clutch Type

Rocking Dog Type

Pinless Type





NC-4255Q NC-4265Q NC-4255QP

1/2" DRIVE AIR
IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

- The front housing & back head cover made by magnesium alloy
- Durability composite material

NC-4265 is equipped with 2" extended anvil

8 pieces in one carton



NC-4255PVC
Protective boot



NC-4255QP
With boot on



"IMPOSSIBLE"

Is Not A Big Word Anymore

The world's lightest and
most powerful

	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-4255Q	1/2"	1"(25)	200-800(271-1085)	1200	1627	8500	4.8(136)	90(6.3)	7-1/32"(179)	3.7	1.70	3/8"	85.0	4.7
NC-4265Q	1/2"	1"(25)	200-800(271-1085)	1200	1627	8500	4.8(136)	90(6.3)	9-1/32"(230.5)	4.0	1.80	3/8"	85.0	4.7

AIR IMPACT WRENCH

NEW

NC-3920

**3/8" DRIVE AIR
IMPACT RATCHET**

Unicorn Hammer Type

Air inlet : 1/4"

10 pieces in one carton

- Ratchet wrench design (Patented impact hammer mechanism)
- Non-reaction
- Compact, lightweight, dust free head-sealed
- Ergonomic design, comfort and convenience for using at confined area



NC-3610Q

**3/8" DRIVE AIR
IMPACT WRENCH**

Jumbo Hammer Type

Air inlet : 1/4"

10 pieces in one carton



NC-3210

**3/8" DRIVE AIR
IMPACT WRENCH**

Twin Hammer Type

Air inlet : 1/4"

10 pieces in one carton



NC-3831

**3/8" DRIVE AIR
IMPACT WRENCH**

Twin Dog Type

Air inlet : 1/4"

10 pieces in one carton



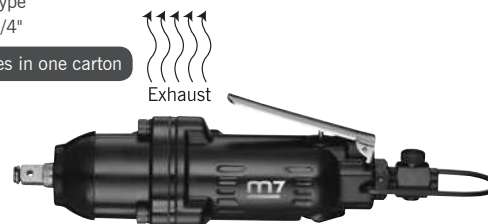
NC-3812

**3/8" DRIVE AIR
IMPACT WRENCH**

Twin Dog Type

Air inlet : 1/4"

12 pieces in one carton



NC-3810

**3/8" DRIVE AIR
IMPACT WRENCH**

Twin Dog Type

Air inlet : 1/4"

- Butterfly type forward/reverse trigger
- 180 degree turnaround air inlet
- Three speed adjusting switch

20 pieces in one carton



NC-3410

**3/8" DRIVE AIR
IMPACT WRENCH**

Rocking Dog Type

Air inlet : 1/4"

20 pieces in one carton





NC-3910

3/8" DRIVE AIR
IMPACT WRENCH

Twin Dog Type
Air inlet : 1/4"

12 pieces in one carton



NC-3911

3/8" DRIVE AIR
IMPACT WRENCH

Twin Dog Type
Air inlet : 1/4"

12 pieces in one carton



RA-111

3/8" DRIVE AIR
IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

20 pieces in one carton



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-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(124)	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-3812	3/8"	M10~M12	66 (90)	177	240	8000	10(283)	90 (6.3)	7-31/64" (190)	2.3	1.06	3/8"	97.0	5.1
NC-3831	3/8"	15/32"(M12)	81(110)	177	240	8000	10(283)	90 (6.3)	7-9/32" (185)	2.9	1.34	3/8"	93.0	4.9
NC-3910	3/8"	5/16"(8)	37(50)	66	90	8500	8.5(240)	90 (6.3)	10-7/16"(265)	3.5	1.60	3/8"	90.0	5.1
NC-3911	3/8"	3/8"(10)	44(60)	96	130	7000	7.0(198)	90 (6.3)	9-7/16"(240)	3.6	1.62	3/8"	92.0	5.1
NC-3920	3/8"	5/16"(8)	10-35(13.5-47)	50	68	700	7.0(87.7)	90 (6.3)	6-7/16"(164)	1.3	0.6	3/8"	90.0	5.1
RA-111	3/8"	5/16" (8)	3.7-36.9(5-50)	50	68	8500	8.5(255)	90 (6.3)	8-1/4"(208)	2.2	1.0	3/8"	96.7	4.9

AIR IMPACT WRENCH



NC-4232Q

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

10 pieces in one carton

WON PTEN
Air tools U.S.A

- Sophisticated and powerful tool: m7's most advanced composite mini air impact wrench that can use in narrow space.
- Unbelievable light and compact with only 1.35kg
- Quiet series: sound pressure only 83 DbA
- "m7's unique lazy design" that can operate forward/reverse switch with one hand.
- Twin-hammer impact mechanism provides more torque power and stability, and balanced impact can reduce the vibration.
- Ergonomic switch design well suited for operator's hand that provides fingers with most comfortability and controllability.
- m7's unique shark fin shaped body design that creates an esthetics of speed and explosiveness.



Exhaust



NC-4210

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

10 pieces in one carton

64%
Lighter

30%
Shorter



Exhaust



NC-4213 NC-4223

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

10 pieces in one carton

NC-4223 is equipped with 2" extended anvil

- Common applications are tyre lanes, heavy maintenance.



Exhaust



NC-4212 NC-4222

1/2" DRIVE AIR
IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

NC-4222 is equipped with 2" extended anvil

8 pieces in one carton



NC-4216 NC-4226

1/2" DRIVE AIR
IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

NC-4226 is equipped with 2" extended anvil

45%
Lighter

10 pieces in one carton



NC-4217

1/2" DRIVE AIR
IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

10 pieces in one carton

Common applications include overall
automotive service and tyre lanes



NC-4230 NC-4230Q NC-4240

1/2" DRIVE AIR
IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

NC-4240 is equipped with 2" extended anvil

8 pieces in one carton



	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-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-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-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-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-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-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-4232	1/2"	5/8"(16)	100-400(136-542)	550	746	10000	4.0(113)	90 (6.3)	4-3/4"(120)	3.0	1.38	3/8"	83.0	3.7

AIR IMPACT WRENCH



NC-4233Q

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



- Rotor blades attached with springs which prolong durability.
- Shorter air inlet path to boost air efficiency
- simple mechanism for easy maintenance
- Air inlet 360 degree swivel.
- Composite material light design
- 3 setting forward power regulator for controlled run up.



NC-4233TL

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type Air inlet : 1/4"

- Forward operation torque is limited 50 ~ 80 Nm for vehicle tire service.
- 6 rotor-blades makes efficient starting torque.

8 pieces in one carton



NC-4231Q

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type Air inlet : 1/4"

10 pieces in one carton



NC-4236 NC-4236Q

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type Air inlet : 1/4"

8 pieces in one carton

60%
more
Powerful



NC-4250Q

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type Air inlet : 1/4"

8 pieces in one carton





NC-4610 NC-4610Q



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

- Best in class performance for a tool of just 115.5 mm long and weight 1.6 Kg.
- The minimum size of this tool will allow greater access to tight and limited spaces.
- Small but with greater power. Reach 450-ft-lb in just 5 seconds.
- Low noise sound level 85 db.
- Common application to narrow working place and Agricultural maintenance.
- Powerful yet compact.

10 pieces in one carton

64% Lighter
60% Shorter



NC-4256 NC-4256Q NC-4266

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

NC-4266 is equipped with 2" extended anvil

10 pieces in one carton



NC-4258

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

10 pieces in one carton



	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-4231Q	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	9000	4.6(132)	90(6.3)	7-1/2"(190)	4.6	2.10	3/8"	85.0	4.4
NC-4233TL	1/2"	3/4"(19)	37-59(50-80)	59	80	2800	4.6(132)	90(6.3)	7-1/2"(190)	4.6	2.10	3/8"	85.0	4.4
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	2.60	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	2.60	3/8"	83.0	4.5
NC-4250Q	1/2"	5/8"(16)	200-350(271-475)	450	610	9000	4.4(124)	90(6.3)	4-15/16"(125)	3.5	1.60	3/8"	83.0	4.5
NC-4256	1/2"	1"(25)	200-900(271-1220)	1100	1491	7000	5.1(144)	90(6.3)	5-9/16"(141)	4.0	1.80	3/8"	95.0	2.8
NC-4256Q	1/2"	1"(25)	200-900(271-1220)	1000	1356	7000	5.1(144)	90(6.3)	5-9/16"(141)	4.0	1.80	3/8"	85.0	2.8
NC-4266	1/2"	1"(25)	200-900(271-1220)	1000	1356	7000	5.1(144)	90(6.3)	7-9/16"(191)	4.2	1.90	3/8"	85.0	2.8
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

AIR IMPACT WRENCH

NEW



NC-4650

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

- + Ergonomic design, lightweight 1.4kg
- + Excellent Max torque 900NM(650FT/LB)
- + Mini type with overall length 104mm, ultralight and easy to use.

10 pieces in one carton



NC-4611Q

1/2" DRIVE AIR IMPACT WRENCH

Jumbo Hammer Type
Air inlet : 1/4"

- m7 3rd generation super mini in length **111mm**.

10 pieces in one carton



NC-4620QN

1/2" DRIVE AIR IMPACT WRENCH

Jumbo Hammer Type
Air inlet : 1/4"

10 pieces in one carton

- 2" Extended Anvil matching special double sided socket 17mm&19mm and 21mm&22mm specifically for automotive tyres.
- Reduce physical loading 40%.



NC-4630 NC-4630Q

1/2" DRIVE AIR IMPACT WRENCH

Jumbo Hammer Type
Air inlet : 1/4"

68% Lighter
60% Shorter

10 pieces in one carton

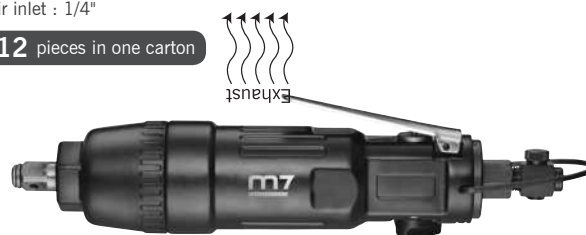


NC-4811

1/2" DRIVE AIR IMPACT WRENCH

Twin Dog Type
Air inlet : 1/4"

12 pieces in one carton





NE-399/499

3/8" & 1/2" DRIVE AIR ANGLE IMPACT WRENCH Jumbo Hammer Type
Air inlet : 1/4"

8 pieces in one carton

- Max. torque 250ft-lb.
- Forward & reverse ring control.
- Composite rubber covered grip to increase holding feel.
- Jumbo-hammer mechanism.



NE-462

1/2" DRIVE AIR ANGLE IMPACT WRENCH Pin Clutch Type
Air inlet : 1/4"

10 pieces in one carton

- Pin-Clutch design mechanism generates 100 Nm torque output.
- Fasten to Stop design provides comfortable feel.



NC-4210N

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type Air inlet : 1/4"

- stubby impact sockets, 6 points: 5pcs 13, 17, 19, 22, 24 mm



NC-4610N

1/2" DRIVE AIR IMPACT WRENCH

Twin Hammer Type Air inlet : 1/4"

- stubby impact sockets, 6 points: 5pcs 13, 17, 19, 22, 24 mm



NE-499N

1/2" DRIVE AIR ANGLE IMPACT WRENCH

Air inlet : 1/4" Air inlet : 1/4"

- Air Angle Impact Wrench : 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/s²



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-4630	1/2"	5/8"(16)	200-350(271-475)	450	610	9000	4.4(124)	90(6.3)	3-27/32"(97)	3.3	1.50	3/8"	96.0	2.8
NC-4630Q	1/2"	5/8"(16)	200-350(271-475)	450	610	9000	4.4(124)	90(6.3)	3-27/32"(97)	3.3	1.50	3/8"	85.0	2.8
NC-4650	1/2"	5/8"(16)	180-400(244-542)	650	900	9000	4.69(132.8)	90(6.3)	4-1/16"(104)	3.3	1.40	3/8"	95.0	2.4
NC-4811	1/2"	9/16"(M14)	118-140 (160-189)	210	285	5500	8.5(240)	90(6.3)	10-9/32" (260)	3.7	1.70	3/8"	85.0	5.3
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-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
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

AIR IMPACT WRENCH



NC-6255Q

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

- Light weight 1.9kg
- The front housing & back head cover made by magnesium alloy
- Durability composite material

8 pieces in one carton



NC-4255PVC

Protective boot



The NC-4255-PVC Protective boot can apply on NC-6255



NC-6210 / 6210Q NC-6220

3/4" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"



76%
Lighter

NC-6220 is equipped with 6" extended anvil

8 pieces in one carton



NC-6236 NC-6236Q

3/4" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/4"

33%
Lighter

- Ultimate power reach 1200 ft-lb under 5seconds.
- Does the toughest job efficiently with industrial level quality & durability.

8 pieces in one carton



NEW



NC-6266

3/4" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 3/8"

6 pieces in one carton

- Torque output 1500ft-lb reached in 5 seconds.
- Light weight 2.95kg.
- The front housing and back head cover made by magnesium alloy.
- Durability composite material.
- Special alloy steel impact mechanism to keep longer life time.
- Composite material



Exhaust

**MIGHTY POWER
MIGHTY LIGHT**



NC-6217

3/4" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 3/8"

4 pieces in one carton

- Alloy steel forward/reverse switch
- torque output 1400ft-lb reached in 5 seconds
- Special Alloy Steel impact mechanism to keep longer life time.



Exhaust



NC-6213

3/4" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 3/8"

- Composite material

5 pieces in one carton



Exhaust

	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-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-6217	3/4"	1-1/4"(30)	200-1300(271-1762)	1400	1898	4800	5.4(153)	90(6.3)	8-15/32" (215)	11.0 5.00	1/2"	92.0 6.1
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-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)	750	1017	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)	750	1017	6500	4.5(127)	90(6.3)	12-23/32" (323)	6.7 3.08	3/8"	85.0 4.5
NC-6255Q	3/4"	1"(25)	200-1100(271-1491)	1400	1890	8500	4.8(136)	90(6.3)	7-13/16" (198)	4.2 1.90	3/8"	85.0 4.7
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-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-6266	3/4"	1"(30)	200-1300(271-1760)	1500	2034	6000	5.9(169)	90(6.3)	8-1/16" (205)	6.5 2.95	3/8"	88.0 5.9

AIR IMPACT WRENCH



NC-6113 / 6123

3/4" DRIVE AIR IMPACT WRENCH Pin Clutch Type
Air inlet : 1/4"

NC-6123 is equipped with 6" extended anvil

- Common applications include maintenance of buses, trucks, farm machinery and construction equipment.



4 pieces in one carton



NC-6216 / 6226

3/4" DRIVE AIR IMPACT WRENCH New Twin Hammer Type
Air inlet : 3/8"

NC-6226 is equipped with 6" extended anvil

- Composite material



4 pieces in one carton

NC-6216PVC
Protective boot



NC-6215 NC-6225

3/4" DRIVE AIR IMPACT WRENCH

New Twin Hammer Type
Air inlet : 1/4"



- Light weight 1.8kg
- Balanced weighted body that offers comfort feeling

NC-6225 is equipped with 6" extended anvil

4 pieces in one carton



NC-6218

3/4" DRIVE AIR IMPACT WRENCH

Twin Hammer Type
Air inlet : 1/2"



10 pieces in one carton



NC-8212

**1" DRIVE AIR
IMPACT WRENCH**

New Twin Hammer Type
Air inlet : 3/8"



4 pieces in one carton



NC-8217

**1" DRIVE AIR
IMPACT WRENCH**

Twin Hammer Type
Air inlet : 3/8"



4 pieces in one carton



NC-8219

**1" DRIVE AIR
IMPACT WRENCH**

New Twin Hammer Type
Air inlet : 1/2"



2 pieces in one carton



NC-8237 NC-8247

**1" DRIVE AIR
IMPACT WRENCH**

Twin Hammer Type
Air inlet : 3/8"



NC-8247 is equipped with 6" extended anvil

4 pieces in one carton

	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-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-6218	3/4"	1-1/16"(27)	200-1400(271-1898)	1500	2034	6000	6.3(182)	90(6.3)	12-9/16"(320)	12.5 5.70	1/2"	106.0 3.3
NC-6266	3/4"	1"(25)	200-1300(271-1760)	1500	2034	6000	5.9(169)	90(6.3)	8-1/16"(205)	12.5 5.70	1/2"	106.0 3.3
NC-8212	1"	1-1/16"(27)	200-1000(271-1356)	1300	1762	6000	6.0(170)	90(6.3)	9-1/4"(235)	6.5 2.95	3/8"	88.0 5.9
NC-8217	1"	1-1/4"(30)	200-1300(271-1762)	1500	2034	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-8237	1"	1-3/8"(33)	200-1500(271-2034)	1800	2441	4500	5.4(153)	90(6.3)	8-3/4"(222)	12.8 5.70	1/2"	92.0 6.1
NC-8247	1"	1-3/8"(33)	200-1500(271-2034)	1800	2441	4500	5.4(153)	90(6.3)	15-9/16"(395)	14.3 6.50	1/2"	92.0 6.1

AIR IMPACT WRENCH



NEW

NC-8343 NC-8343-8

1" DRIVE AIR Pin Less Type
IMPACT WRENCH Air inlet : 1/2"

NC-8343-8 is equipped with 8" extended anvil

- M7 UNIQUE SHARK SHAPE DESIGN ON BOTH SIDES
- NEW DESIGNED UP EXHAUST
- LOW VIBRATION OFFERS A SMOOTH OPERATION
- POWERFUL & DURABLE

1 pieces in one carton



NC-8211 NC-8221

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

NC-8221 is equipped with 6" extended anvil

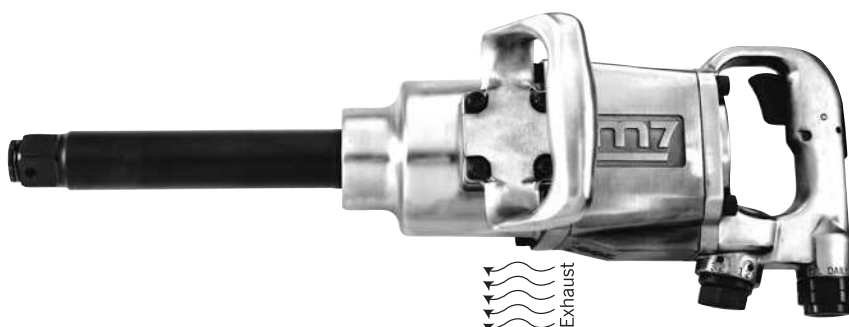
1 pieces in one carton



NC-8232

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

1 pieces in one carton

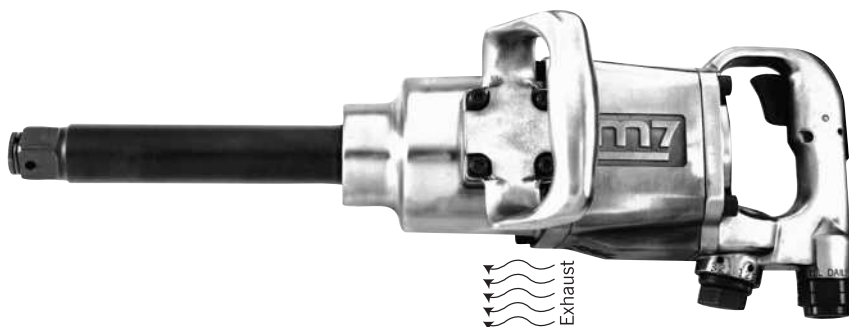


NC-8311 NC-8351

1" DRIVE AIR Pin Less Type
IMPACT WRENCH Air inlet : 1/2"

NC-8351 is equipped with 6" extended anvil

2 pieces in one carton





NC-8216 NC-8226

1" DRIVE AIR IMPACT WRENCH Twin Hammer Type
Air inlet : 1/2"
NC-8226 is equipped with 6" extended anvil

2 pieces in one carton

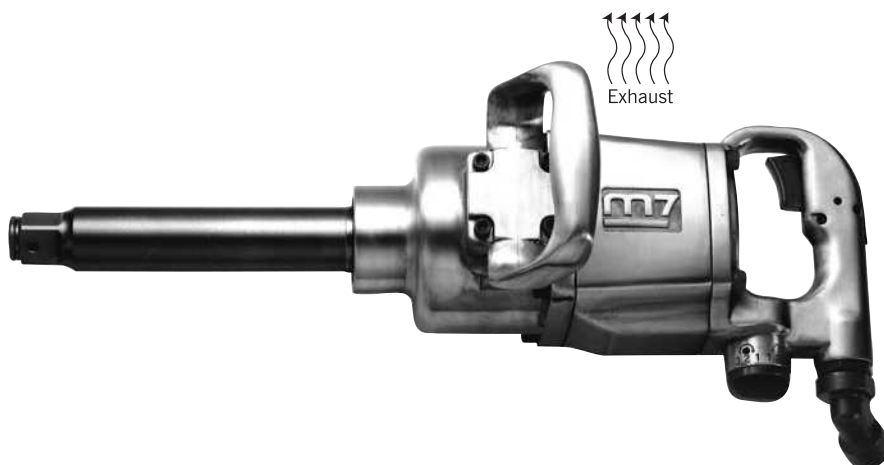
48%
Lighter



NC-8341

1" DRIVE AIR IMPACT WRENCH Pin Less Type
Air inlet : 1/2"
NC-8341 is equipped with 6" extended anvil

1 pieces in one carton



	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-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	10.0(284)	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	10.0(284)	90(6.3)	20-7/8"(530)	25.2	11.50	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"	102.0	11.5
NC-8343	1"	1-3/8"(33)	200-1600(271-2170)	1800	2441	3900	11.5(325)	90(6.3)	15"(381)	27.7	12.56	1/2"	103.0	6.3
NC-8343-8	1"	1-3/8"(33)	200-1600(271-2170)	1800	2441	3900	11.5(325)	90(6.3)	23"(590)	30.6	13.9	1/2"	103.0	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-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

AIR IMPACT WRENCH



NC-8382 NC-8382-8

1" DRIVE AIR Pin Less Type
IMPACT WRENCH Air inlet : 1/2"

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



38%
more
Powerful

40%
Lighter

- Max. torque 2500 ft-lb (reverse in 5 seconds).
- Weight 30% less comparing with equal torque output models to reduce physical loading 30%.
- Torque output 38% higher comparing with equal weight models.
- Two-stage trigger for easier operation.

2 piece in one carton

NC-8382

1 piece in one carton

NC-8382-8



NC-8242 NC-8242-8

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

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



1 pieces in one carton



NC-8252 NC-8262

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

NC-8262 is equipped with 6" extended anvil



2 pieces in one carton



NC-8322 NC-8342

1" DRIVE AIR Pin Less Type
IMPACT WRENCH Air inlet : 1/2"

NC-8342 is equipped with 8" extended anvil

1 pieces in one carton



NC-8362 NC-8372

1" DRIVE AIR Pin Less Type
IMPACT WRENCH Air inlet : 1/2"

NC-8372 is equipped with 6" extended anvil

1 pieces in one carton



NC-9223 NC-9243

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

NC-9243 is equipped with 8" extended anvil

2 pieces in one carton



	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-8382	1"	1-3/8"(33)	200-2000(271-2710)	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"	1-3/8"(33)	200-2000(271-2710)	2500	3390	5000	15.9(450)	90(6.3)	22-15/32"(570)	27.5	12.50	1/2"	100.0	6.4
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-8252	1"	1-7/16"(36)	200-2000(271-2170)	2400	3250	4000	10.0(284)	90(6.3)	15-3/8"(390)	26.6	12.10	1/2"	100.0	10.0
NC-8262	1"	1-7/16"(36)	200-2000(271-2170)	2400	3250	4000	10.0(284)	90(6.3)	22"(560)	29.7	13.50	1/2"	100.0	10.0
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(271-2170)	2500	3390	3700	11.0(284)	90(6.3)	17-7/8"(455)	35.2	16.00	1/2"	93.9	8.8
NC-8372	1"	1-7/16"(36)	200-2000(271-2170)	2500	3390	3700	11.0(284)	90(6.3)	24-7/32"(615)	38.7	17.60	1/2"	93.9	8.8
NC-9223	1-1/2"	2"(50)	200-3000(271-4065)	3500	4746	3000	16.0(453)	90(6.3)	17-3/4"(450)	43.2	19.70	3/4"	104.5	8.8
NC-9243	1-1/2"	2"(50)	200-3000(271-4065)	3500	4746	3000	16.0(453)	90(6.3)	24-1/4"(616)	50.2	22.8	3/4"	104.5	8.8

AIR IMPACT WRENCH

NEW

NC-4232Q KIT

1/2" DRIVE AIR IMPACT WRENCH 11 PCS

- 1pc - 1/2" Air Impact Wrench
- 7pcs - Impact sockets, MA411M13, 17, 19, 21, 22, 24, 27
- 1pc - 5" Extension bar
- 1pc - Mini Lubricator SW-12
- 1pc - 1/4" plug



NEW

NC-4233Q KIT

1/2" DRIVE AIR IMPACT WRENCH 11 PCS

- 1pc - 1/2" Air Impact Wrench
- 7pcs - Impact sockets, MA411M13, 17, 19, 21, 22, 24, 27
- 1pc - 5" Extension bar
- 1pc - Mini Lubricator SW-12
- 1pc - 1/4" plug



NEW

NC-4255Q KIT

1/2" DRIVE AIR IMPACT WRENCH 11 PCS

- 1pc - 1/2" Air Impact Wrench
- 7pcs - Impact sockets, MA411M13, 17, 19, 21, 22, 24, 27
- 1pc - 5" Extension bar
- 1pc - Mini Lubricator SW-12
- 1pc - 1/4" plug



NEW

NC-4650 KIT

1/2" DRIVE AIR IMPACT WRENCH 11 PCS

- 1pc - 1/2" Air Impact Wrench
- 7pcs - Impact sockets, MA411M13, 17, 19, 21, 22, 24, 27
- 1pc - 5" Extension bar
- 1pc - Mini Lubricator SW-12
- 1pc - 1/4" plug



NEW

NC-6236Q KIT

3/4" DRIVE AIR IMPACT WRENCH 11 PCS

- 1pc - 3/4" Air Impact Wrench
- 7pcs - Impact sockets, MA611M24, 27, 30, 32, 33, 34, 36
- 1pc - 7" Extension bar
- 1pc - Mini Lubricator SW-12
- 1pc - 1/4" plug



NEW

NC-6255Q KIT

3/4" DRIVE AIR IMPACT WRENCH 11 PCS

- 1pc - 3/4" Air Impact Wrench
- 7pcs - Impact sockets, MA611M24, 27, 30, 32, 33, 34, 36
- 1pc - 7" Extension bar
- 1pc - Mini Lubricator SW-12
- 1pc - 1/4" plug



AIR IMPACT WRENCH

NC-0410 SET

1/2" DRIVE AIR IMPACT WRENCH 10 PCS

- 1pc - Air Impact Wrench
- 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-0415 SET

1/2" DRIVE AIR IMPACT WRENCH 15 PCS

- 1pc-1/2" Air Impact Wrench
- 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

5 pieces in one carton



NC-0615 SET

3/4" DRIVE AIR IMPACT WRENCH 15 PCS

- 1pc-3/4" Air Impact Wrench
- 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

2 pieces in one carton



NC-0615M0
NC-6113



NC-0615M1
NC-6216



NC-0615M2
NC-6215



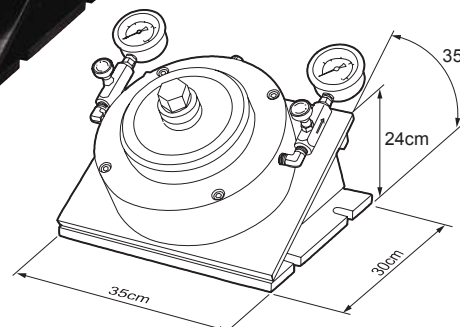
ZT-13-1 Forward

ZT-13-2 Reverse

Torque Test Machine

Torque testing for maintaining pneumatic impact wrenches

- Applicable Range: 50ft-lb~2000ft-lb(70Nm~2700Nm)
- Max. Torque: 3500 ft-lb(5000Nm)
- Applicable Size:SQ.DR-1/2" ~3/4"
- Measuring Direction:ZT-13-1Forward/ZT-13-2Reverse
- Screw Size:M32
- Length x Width:35cm*30cm
- Weight:49KG

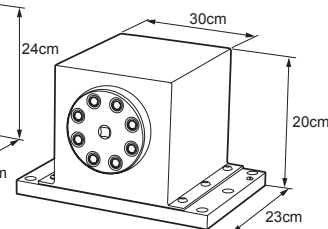
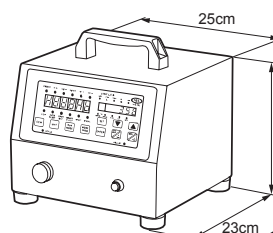


ZT-13-3

Digital Torque Tester (Electric Type)

For testing and maintaining pneumatic impact wrenches

- Applicable Range:90ft-lb~1800ft-lb(125Nm~2500Nm)
- Square Drive:SQ.DR-1/2" ~ 3/4"
- Applicable Voltage:110V~220V
- Measuring Direction:Forward/Reverse
- Length x Width:55cm*23cm
- Weight:32KG



AIR RATCHET WRENCH



NE-488

1/2" DRIVE AIR RATCHET WRENCH

Air inlet : 1/4"

12 pieces in one carton



- Swivel Head. (up and down 30 degrees).
- Body TPR soft package shot feel good to reduce the sense of vibration.
- Exhaust hood 360 degree adjustable design.

	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/s²
NE-488	1/2"	10-40(13.5-54)	60	81	150	4.5(127.4)	90(6.3)	10-13/16"(275)	3.2	1.45	3/8"	85.0	3.9

AIR RATCHET WRENCH

NO.1
Sales

20%
Longer
Life-time

Compare With ordinary models



NE-332/432

3/8" & 1/2" DRIVE AIR RATCHET WRENCH Air inlet : 1/4"

- Quick release button enables fast and efficient socket change.
- Allows fast positioning on nut.
- Hardened gears, needle and ball bearings provide longer lifetime.
- Ultimate Torque: 60ft-lbs.

20 pieces in one carton



NE-251 1/4" & 3/8" NE-351 DRIVE AIR RATCHET WRENCH

Air inlet : 1/4"



20 pieces in one carton



NE-352 3/8" DRIVE 2 in 1 AIR RATCHET WRENCH

Air inlet : 1/4"



NE-362 3/8" DRIVE 2 in 1 AIR RATCHET WRENCH

Air inlet : 1/4"



- back exhaust design to reduce flying dusts
- NE-361 with 3/8" square drive
- NE-362 with dual-use square drive
- 160mm long suitable for narrow space



NE-261 1/4" & 3/8" NE-361 DRIVE AIR RATCHET WRENCH

Air inlet : 1/4"



NE-0357

3/8" DRIVE AIR RATCHET WRENCH 57PCS

Air inlet : 1/4"

- 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

10 pieces in one carton





NE-321 3/8" & 1/2"

NE-421 DRIVE AIR RATCHET WRENCH

Air inlet : 1/4"

20 pieces in one carton



NE-343 3/8" & 1/2"

NE-443 DRIVE AIR RATCHET WRENCH

Air inlet : 1/4"



NE-0413 [SET]

NE-0413S [SET]

1/2" Drive Air Ratchet Wrench Thru-Hole 13pcs

Air inlet : 1/4"

6 pieces in one carton

- 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" Adapter
- 1pc Plug



	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-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-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-261	1/4"	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-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-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-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-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
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

REPAIR KIT

Replacement Parts

NC-3111K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-3210K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-3610QK01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-3611QK01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4210K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4213K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4216K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-6266K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4233K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4236K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4255K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4258K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4610QK01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4611QK01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4650K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-4217K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-6216K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-6218K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-6236K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-6210K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NC-6255K01

Anvil Ass'y	Hammer	Rotor Blade	Gasket	O-Ring	Muffler Elemen
Rubber Grip	Retaining Ring	Washer	Motor Clamp Washer	Cylinder Dowel	Rubber Cap

NE-399/499K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-251K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-352K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-321K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-351K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-332/432K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-421K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-443K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-461K01

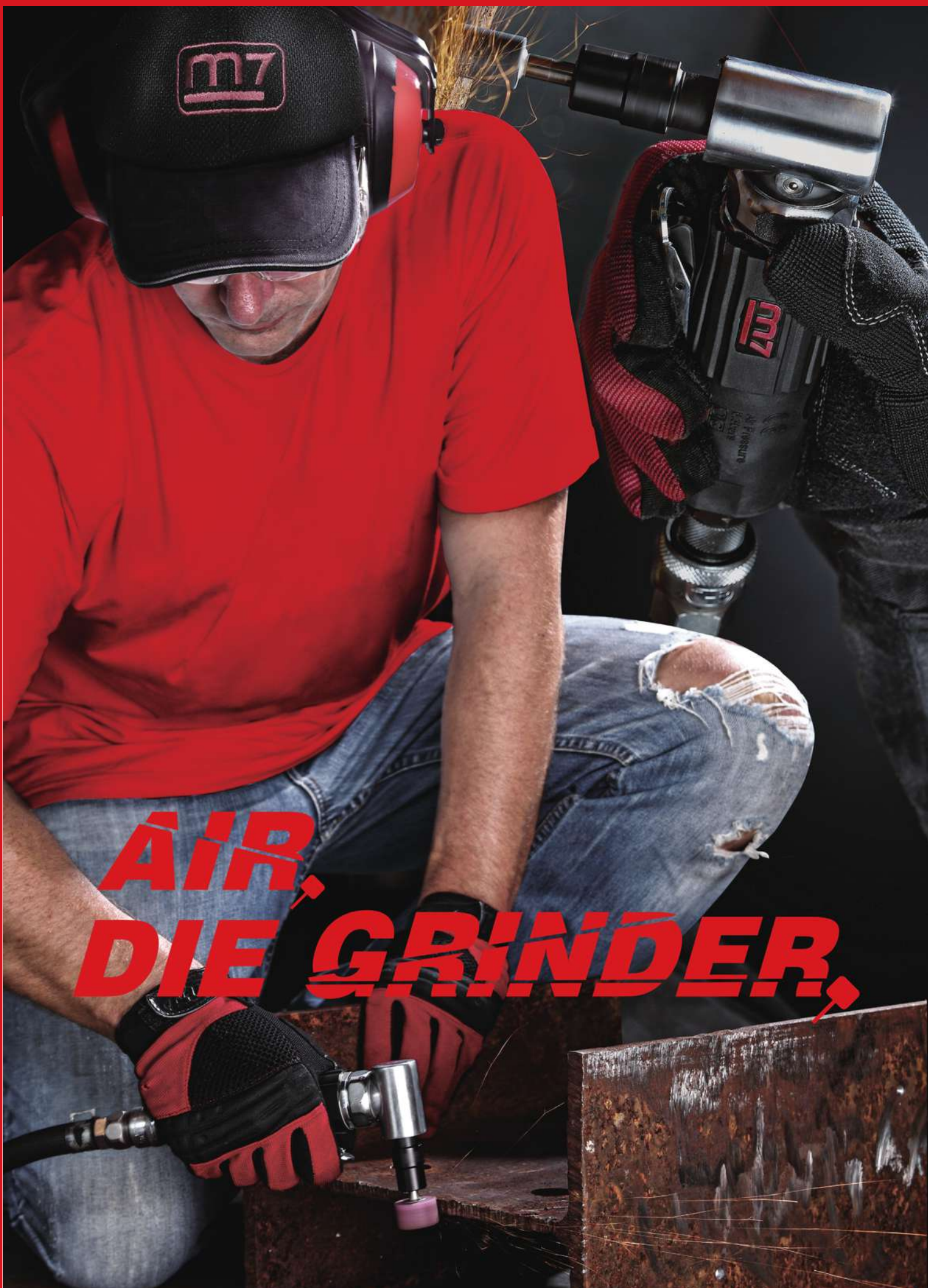
Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

NE-483K01

Anvil Ass'y	Hammer	Ratchet Anvil Ass'y	Planet Gear Ass'y	Rotor Blade	Gasket	O-Ring
Work Spindle	Needle Bearing	Ball Bearing	Muffler	Washer	Planet Pin	

AIR DIE GRINDER

**AIR.
DIE GRINDER.**





QA-633Q A/B

97° AIR Angle
Die Grinder

Air inlet : 1/4"

64%
Lower sound

50%
longer
Life-time

Compare With ordinary models

20 pieces in one carton

- No gear type to reduce maintenance costs
- 97 degree angle to reduce wrist fatigue
- Low sound pressure 75dBA
- Composite grip / long time usage without cold feeling
- Enlarged motor design for bigger power output



	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/s²
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

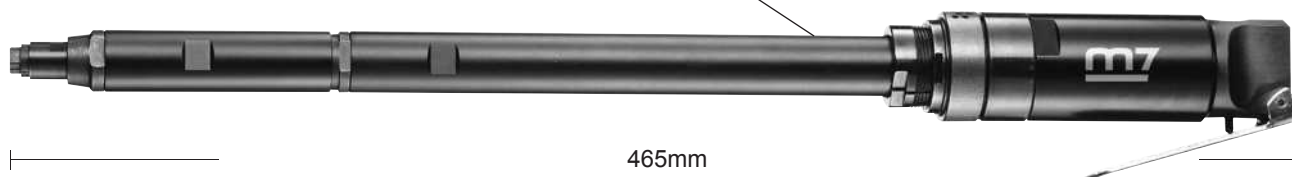
AIR DIE GRINDER

★★★ **NEW** **QA-1710A/B**

EXTENDED AIR DIE GRINDER
Air inlet : 1/4"



- Grinder can be used in a wide range of grinding and polishing applications.
- Easy operation at the corner or deep place.



★★★ **QA-131 A / B**

AIR DIE GRINDER Air inlet : 1/4" **Roll Type Throttle**



10 pieces in one carton

★★★ **QA-143 A / B**

AIR DIE GRINDER Air inlet : 1/4" **Roll Type Throttle**



10 pieces in one carton

★★★ **QA-141 A / B** **QA-141L A / B**

AIR DIE GRINDER Air inlet : 1/4"

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

- 6mm clip collet / overall type
- Iron steel overall housing / high strength
- Front exhaust design

10 pieces in one carton

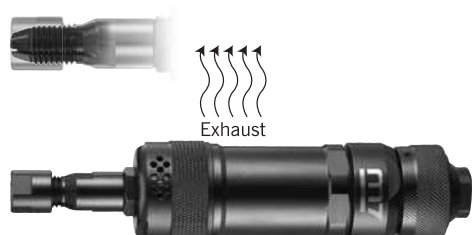


80%
Longer
Life-time

70%
More
Powerful

★★★ **QA-151 A / B**

AIR DIE GRINDER Air inlet : 1/4" **Roll Type Throttle**



10 pieces in one carton

★★★ **QA-163 A / B** **QA-163L A / B**

AIR DIE GRINDER Air inlet : 1/4" **QA-163-Roll Type Throttle**
QA-163L-Lever Type Throttle



10 pieces in one carton



QA-632Q A / B

97°AIR ANGLE DIE GRINDER

Air inlet : 1/4"

- No gear type to reduce maintenance costs
- 97 degree angle to reduce wrist fatigue
- Low sound pressure 75dBA Composite grip / long time usage
- without cold feeling

20 pieces in one carton



QA-611 A / B

90°AIR ANGLE DIE GRINDER Air inlet : 1/4"

- 90° working angle provides wide flexibility in confined areas.
- Both 3mm and 6mm or 1/8" and 1/4" collets are included.

20 pieces in one carton



	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-131	3	1/4"	30000	14.0(396)	90(6.3)	6-11/16"(170)	0.4	1.3 0.60	3/8"	75.0	2.5
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-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
QA-1710	6	1/4"	18000	5.0(141)	90(6.3)	18-5/16"(465)	0.4	2.36 1.07	3/8"	80.0	1.5
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(350)	90(6.3)	7"(177)	0.4	1.12 0.51	3/8"	75.0	>2.5

AIR DIE GRINDER

★★★ **NEW** **QA-101 A / B**

AIR DIE GRINDER Air inlet : 1/4"

- Grinder can be used in a wide range of grinding and polishing applications.
- Easy operation at the corner or deep place.



Mighty Mini
119mm

★★★ **QA-111 A / B**

AIR DIE GRINDER Air inlet : 1/4"



★★★ **QA-231Q A / B**

AIR DIE GRINDER Air inlet : 1/4"



★★★ **QA-210 A / B**

AIR DIE GRINDER Air inlet : 1/4"



★★★ **QA-241 A / B**

AIR DIE GRINDER Air inlet : 1/4"



★★★ **QA-211 A / B**

AIR DIE GRINDER Air inlet : 1/4"



★★★ **QA-311 A / B**

AIR DIE GRINDER Air inlet : 1/4"





QA-313 A / B

AIR DIE GRINDER Air inlet : 1/4"



QA-315 A / B

AIR DIE GRINDER Air inlet : 1/4"



	Collet Size <small>A mm</small>	Collet Size <small>B inch</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>
							hp					
QA-101	6 & 3	1/4" & 1/8"	25000	6.3(178)	90(6.3)	4-11/16"(119)	0.3	0.71	0.32	3/8"	80.0	1.4
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-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-231Q	6 & 3	1/4" & 1/8"	20000	14.8(420)	90(6.3)	5-29/32"(150)	0.45	0.8	0.35	3/8"	80.0	>2.5
QA-241	6	1/4"	4000	10.6(283)	90(6.3)	8-5/8"(220)	0.5	1.6	0.75	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	1.4	0.63	3/8"	81.5	1.8

AIR DIE GRINDER



QA-0115 A / B QA-0215 A / B

Air Die Grinder 15 kit Air inlet : 1/4"

- 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-0615 A / B

Air Die Grinder 15 kit Air inlet : 1/4"

- 1pc Air Die Grinder (QA-611)
- 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-0207

Air Die Grinder 7 kit Air inlet : 1/4"

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

10 pieces in one carton





QA-4507

A:6mm B:1/4"
MICRO AIR DIE GRINDER
Air inlet : 1/4"



QA-412

A:3mm B:1/8"
MICRO AIR DIE GRINDER
Air inlet : 1/4"



QA-421

A:3mm B:1/8"
MICRO AIR DIE GRINDER
Air inlet : 1/4"



QA-431

A:3mm B:1/8"
MICRO AIR DIE GRINDER
Air inlet : 1/4"



QA-432

A:3mm B:1/8"
MICRO AIR DIE GRINDER
Air inlet : 1/4"



QA-511

ENGRAVING PEN
Air inlet : 1/4"



QA-441

Heavy Duty MICRO AIR DIE GRINDER A:3mm B:1/8"
Air inlet : 1/4"

- Heavy Duty 3mm Pencil Grinder
- Rust-free stainless steel front housing
- Ideal for machining dies, molds or other restricted grinding applications



	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/s²
QA-412	1/8" (3)	60000	-----	2.7(76)	90(6.3)	6-3/4"(170)	1500	0.50 0.24	3/8"	70.0	0.5
QA-421	1/8" (3)	60000	-----	2.7(76)	90(6.3)	6"(150)	1500	0.50 0.22	3/8"	70.0	0.5
QA-431	1/8" (3)	56000	-----	2.0(56)	90(6.3)	5-3/8"(137)	1425	0.40 0.20	3/8"	70.0	0.5
QA-432	1/8" (3)	70000	-----	1.0(29)	90(6.3)	5-3/8"(137)	1425	0.40 0.20	3/8"	70.0	0.5
QA-511	-----	-----	13000	1.0(29)	90(6.3)	5-1/2"(140)	1420	0.50 0.23	3/8"	78.0	0.6
QA-441	1/8"(3)	60000	-----	2.0(56)	90(6.3)	5-5/16"(135)	1500	0.40 0.21	3/8"	71.0	1.0
QA-4507	1/4"(6)	32000	-----	4.0(113)	90(6.3)	14-11/32"(364)	1500	0.88 0.40	3/8"	85.0	1.2

AIR ANGLE GRINDER

AIR ANGLE ØGRINDER





QB-7114 S/M

QB-7115 S/M

QB-7145 S/M

100° Air Angle Grinder / Lever Type Throttle

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

Air inlet : 1/4"

Compare With ordinary models

6 pieces in one carton

- Strengthened motor design can reach 1.3HP.
- Metric and inch spindle design can meet accessory demands in every market.
- Spindle lock enables easier accessory changes.
- 100 degree design enables easier operation.
- Heavy duty air cooled spiral gears and double bearings for durability.

20%

More
Powerful



	Pad Dia 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/s²
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

AIR ANGLE GRINDER



QB-104/105

AIR ANGLE GRINDER / Roll Type Throttle

Air inlet : 1/4"

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

10 pieces in one carton



QB-114/115

AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 1/4"

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

10 pieces in one carton



QB-124/125

Air Angle Grinder/Lever Type Throttle

Air inlet : 1/4"

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

8 pieces in one carton



QB-134/135

Air Angle Grinder / Lever Type Throttle Air inlet : 1/4"

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

10 pieces in one carton



QB-144/145

QB-164/165

Air Angle Grinder / Roll Type Throttle Air inlet : 1/4"

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

10 pieces in one carton



QB-107

Air Angle Grinder / Roll Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton





QB-117

AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton



QB-177












AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton



	Pad Dia / Arbor Size	Spindle 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/s²
							hp					
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	3.2	1/2"	89.7	1.0
QB-177	7"(178x22)	5/8"-11	7600	6.0(170)	90(6.3)	11-13/16"(300)	2.0	7.2	3.3	3/8"	92.0	2.7

AIR ANGLE GRINDER



QB-197Q

AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton



QB-179

AIR VERTICAL GRINDER / Lever Type Throttle

Air inlet : 1/2"

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

4 pieces in one carton



QB-185

AIR VERTICAL GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

4 pieces in one carton



QB-187

AIR VERTICAL GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

4 pieces in one carton





QB-194

AIR ANGLE GRINDER / Roll Type Throttle

Air inlet : 3/8"

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

10 pieces in one carton



QB-194L

AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton



QB-194-CN

AIR ANGLE GRINDER / Roll Type Throttle

Air inlet : 3/8"

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

10 pieces in one carton



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

10 pieces in one carton



	Pad Dia / Arbor Size	Spindle 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-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
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-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-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

AIR ANGLE GRINDER



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

AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton



QB-195CN

AIR ANGLE GRINDER / Roll Type Throttle

Air inlet : 3/8"

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

10 pieces in one carton



QB-199 S/M

AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

6 pieces in one carton



QB-1004 **NEW**

AIR ANGLE GRINDER / Roll Type Throttle

Air inlet : 1/4"

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





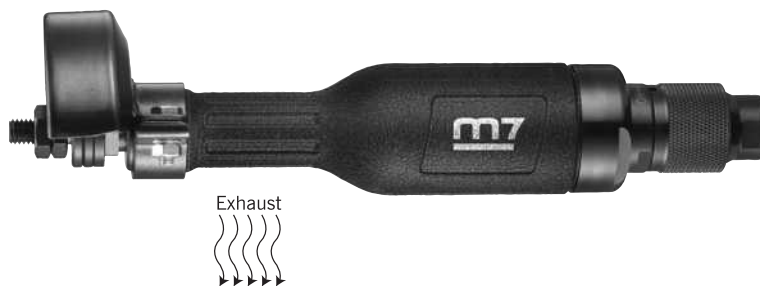
QB-2925

AIR STRAIGHT GRINDER / Roll Type Throttle

Air inlet : 3/8"

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

12 pieces in one carton



QB-2925L

AIR STRAIGHT GRINDER / Lever Type Throttle

Air inlet : 3/8"

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

12 pieces in one carton



QB-623












2" AIR ANGLE GRINDER / Lever Type Throttle

Air inlet : 1/4"

- back exhaust design to reduce flying dusts
- suitable sizes for detailed sanding and trimming

20 pieces in one carton



	Pad Dia / Arbor Size	Spindle 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			Inch	dBA	m/s²
												
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)	M8 X 1.25	12000	4.9(138)	90(6.3)	8-15/32"(215)	1.0	4.4	2.0	3/8"	91.0	2.6
QB-199S/M	9"(230x22)	5/8"-11	5900	6.8(178)	90(6.3)	14"(360)	2.5	9.9	4.5	3/8"	98.0	3.75
QB-1004	4" (100x16)	M8 X 1.25	13500	4.9(138)	90(6.3)	7-3/32"(215)	0.6	2.6		3/8"	86.0	2.5
QB-2925	(65x13x9.5)	3/8"-16	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)	3/8"-16	16000	5.0(141)	90(6.3)	12-25/32"(215)	0.9	3.0	1.39	3/8"	90.0	2.8
QB-623	2"(50x10)	M14X2 (5/8"-11)	19000	8.1(283)	90(6.3)	6-5/16"(160)	0.3	1.2	0.57	3/8"	80.0	0.5

AIR BELT SANDER



QB-311

AIR BELT SANDER

Air inlet : 1/4"

- 10mm belt-can be easily changed.
- Belt automatically adjusts to correct position.
- Belt shroud protects hands.
- Rubber handle offers non-slip grip and insulates hands from cold housing.
- Common applications include sanding and smoothing of welds, paint, rust and deburring removal.



QB-312

AIR BELT SANDER

Air inlet : 1/4"

- Common applications include sanding and smoothing of welds, paint, rust and deburring removal in difficult-to-access locations



QB-313

AIR BELT SANDER

Air inlet : 1/4"



QB-321

AIR BELT SANDER

Air inlet : 1/4"



QB-324

AIR BELT SANDER

Air inlet : 1/4"

- Adjustable belt speed control regulator
- Common applications include sanding and smoothing of welds, paint, rust and deburring removal in difficult-to-access locations





QB-322 QB-322C

AIR BELT SANDER

Air inlet : 1/4"

- Ergonomic grip with streamline plastic cover
- Air adjusting switch for adjusting speed
- Serial sander can use non-woven material sanding belt
- No screw type -> 360 degree open shield, easy to change sanding belts



QB-322C:Rubber pulley



NEW

QB-325N[SET]

AIR BELT SANDER

Air inlet : 1/4"

- Adjustable belt speed control regulator.
- Non-woven abraverse belt available.
- Ergonomic design for comfortable operation.

Belt Size

- 10x330mm / 3/8"x13"
- 3x330mm / 1/8"x13"
- 6x330mm / 1/4"x13"
- 20x330mm / 3/4"x13"
- 20x520mm / 3/4"x20-1/2"



Tension Ban



QB-325P54

20x520mm / 3/4"x20-1/2"



QB-325P53

20x90mm / 3/4"x13"



QB-325P04

10x330mm / 3/8"x13"



QB-325P52

6x330mm / 1/4"x13"



QB-325P51

3x330mm / 1/8"x13"

	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)	Net Weight LBS kg		Air Hose Inch	Sound Pressure dBA	Vibration Level 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-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
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-325	3/8"x13" (10X330) 1/8"x13" (3X330) 1/4"x13" (6X330) 3/4"x13" (20X330) 3/4"x20-1/2" (20X520)	16000	4.0(113)	90(6.3)	12-5/8"(320)	2.1	0.95	3/8"	90.0	1.0

AIR SANDER

AIR ●
● **SANDER**



QB-54

6" QB-54602 (six hole Pad)

6" QB-54702 (fifteen hole Pad)

Air Random Orbital Sander
Central-Vacuum

Air inlet : 1/4"

10 pieces in one carton

- Composite body housing, light weight
- Strengthened composite rotor, durable and longer lifetime



	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/s²	mm
						hp					
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-54702	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

AIR SANDER

Non-Vacuum SERIES



QB-52

5" QB-52502
6" QB-52602

Air Random Orbital Sander
Non-Vacuum

Air inlet : 1/4"

10 pieces in one carton



QB-55

6" QB-55602
Air Random Orbital Sander
Non-Vacuum
Air inlet : 1/4"

10 pieces in one carton



QB-46

5" QB-46502 | 6" QB-46602
5" QB-46512 | 6" QB-46612

Air Random Orbital Sander
Non-Vacuum

Air inlet : 1/4"

- Excellent for refinishing or smoothing the surface of metal, wood, leather etc.

10 pieces in one carton



QB-42

5" QB-42502
6" QB-42602

Air Random Orbital Sander
Non-Vacuum

Air inlet : 1/4"

10 pieces in one carton



6" QB-49602

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

10 pieces in one carton



5" QB-58502 6" QB-58602

Air 2-Hand Random Orbital Sander
Non-Vacuum

Air inlet : 1/4"

10 pieces in one carton





5" QB-58542

6" QB-58642

Air 2-Hand Random Orbital Sander
Non-Vacuum

Air inlet : 1/4"

- Gear transmission for quicker hard sanding, saving time and longer lifespan.
- Aluminum alloy body housing completely covered with composite materials, robust and no cold feeling during long time usage.
- Long grip can reduce reaction while sanding.
- Air adjusting switch for adjusting speed.

10 pieces in one carton



	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/s²	mm
QB-52502	5"(127)	10000	6.0(170)	90(6.3)	6"(153)	0.24	2.2 1.00	3/8"	87.6	1.2	5
QB-52602	6"(152)	10000	6.0(170)	90(6.3)	6-1/2"(166)	0.24	2.6 1.20	3/8"	87.6	1.7	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-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-49602	6"(152)	10000	3.60(102)	90(6.3)	8-21/32"(220)	0.75	2.0 0.91	3/8"	92.5	3.3	9.5
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
B-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-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

AIR SANDER

Self-Generated Vacuum SERIES



QB-56

5" QB-56602
Air Random Orbital Sander
Self-Generated Vacuum

Air inlet : 1/4"

10 pieces in one carton



QB-53

5" QB-53802
6" QB-53902
Air Random Orbital Sander
Self-Generated Vacuum

Air inlet : 1/4" 10 pieces in one carton



QB-47

6" QB-47602
6" QB-57612
Air Random Orbital Sander
Self-Generated Vacuum

Air inlet : 1/4"

10 pieces in one carton

- Excellent for refinishing or smoothing the surface of metal, wood, leather etc.



QB-43

5" QB-43802
6" QB-43902
Air Random Orbital Sander
Self-Generated Vacuum

Air inlet : 1/4"

10 pieces in one carton





5" QB-59602

Air 2-Hand Random Orbital Sander
Self-Generated Vacuum

Air inlet : 1/4"

10 pieces in one carton

- Aluminum alloy body housing completely covered with composite materials,
- robust and no cold feeling during long time usage.
- Long grip can reduce reaction while sanding.
- Air adjusting switch for adjusting speed.



5" QB-59642

Air 2-Hand Random Orbital Sander
Self-Generated Vacuum

Air inlet : 1/4"

10 pieces in one carton



	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-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-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-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-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-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-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 SANDER

Central-Vacuum SERIES



QB-45

6" QB-45602
6" QB-45612
Air Random Orbital Sander
Central-Vacuum

Air inlet : 1/4" **10** pieces in one carton

- Excellent for refinishing or smoothing the surface of metal, wood, leather etc.



QB-41

6" QB-41902
Air Random Orbital Sander
Central-Vacuum

Air inlet : 1/4" **10** pieces in one carton



6" QA-57602

Air 2-Hand Random Orbital Sander
Central-Vacuum

Air inlet : 1/4"

10 pieces in one carton



6" QA-57642

Air 2-Hand Random Orbital Sander
Central-Vacuum

Air inlet : 1/4"

10 pieces in one carton





QB-48012

3" x 4" Air Jitterbug Sander
Non-Vacuum Air inlet : 1/4"

10 pieces in one carton



QB-48111

4"x4-3/8" Air Jitterbug Sander
Non-Vacuum Air inlet : 1/4"

10 pieces in one carton



QB-48112

4"x4-3/8" Air Jitterbug Sander
Non-Vacuum Air inlet : 1/4"

10 pieces in one carton



QB-48212

3-1/2"x7" Air Jitterbug Sander
Non-Vacuum Air inlet : 1/4"

10 pieces in one carton



QB-48211

2-1/2"x15-3/4" Air Jitterbug Sander
Non-Vacuum Air inlet : 1/4"

10 pieces in one carton



	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/s²	mm
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-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-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-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
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-48012	3"x4"(75x100)	10000	5.0(141)	90(6.3)	5-3/8"(137)	0.24	1.83	0.83	3/8"	83.0	1.5	2.5
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-48112	4"x4-3/8"(100x110)	10000	5.0(141)	90(6.3)	5-3/8"(136)	0.24	1.7	0.78	3/8"	83.0	1.5	2.5
QB-48211	2-1/2"-15-3/4"(64X400)	2100	5.0(141)	90(6.3)	17-1/2"(444)	0.24	6.1	2.8	3/8"			
QB-48212	7"x3-1/2"(93x180)	10000	5.0(141)	90(6.3)	7"(180)	0.24	2.0	0.94	3/8"	83.0	1.5	2.5

AIR PISTOL SANDER



QP-113

AIR PISTOL POLISHER

Air inlet : 1/4"

10 pieces in one carton



QP-123

AIR PISTOL SANDER

Air inlet : 1/4"

10 pieces in one carton



QP-215

AIR HIGH SPEED SANDER

Air inlet : 1/4"

10 pieces in one carton



QP-317/327

AIR ANGLE POLISHER

Air inlet : 1/4"



10 pieces in one carton



QP-307

AIR ANGLE SANDER

QP-327

AIR ANGLE POLISHER

Air inlet : 1/4"



10 pieces in one carton



QP-335

VERTICAL POLISHER

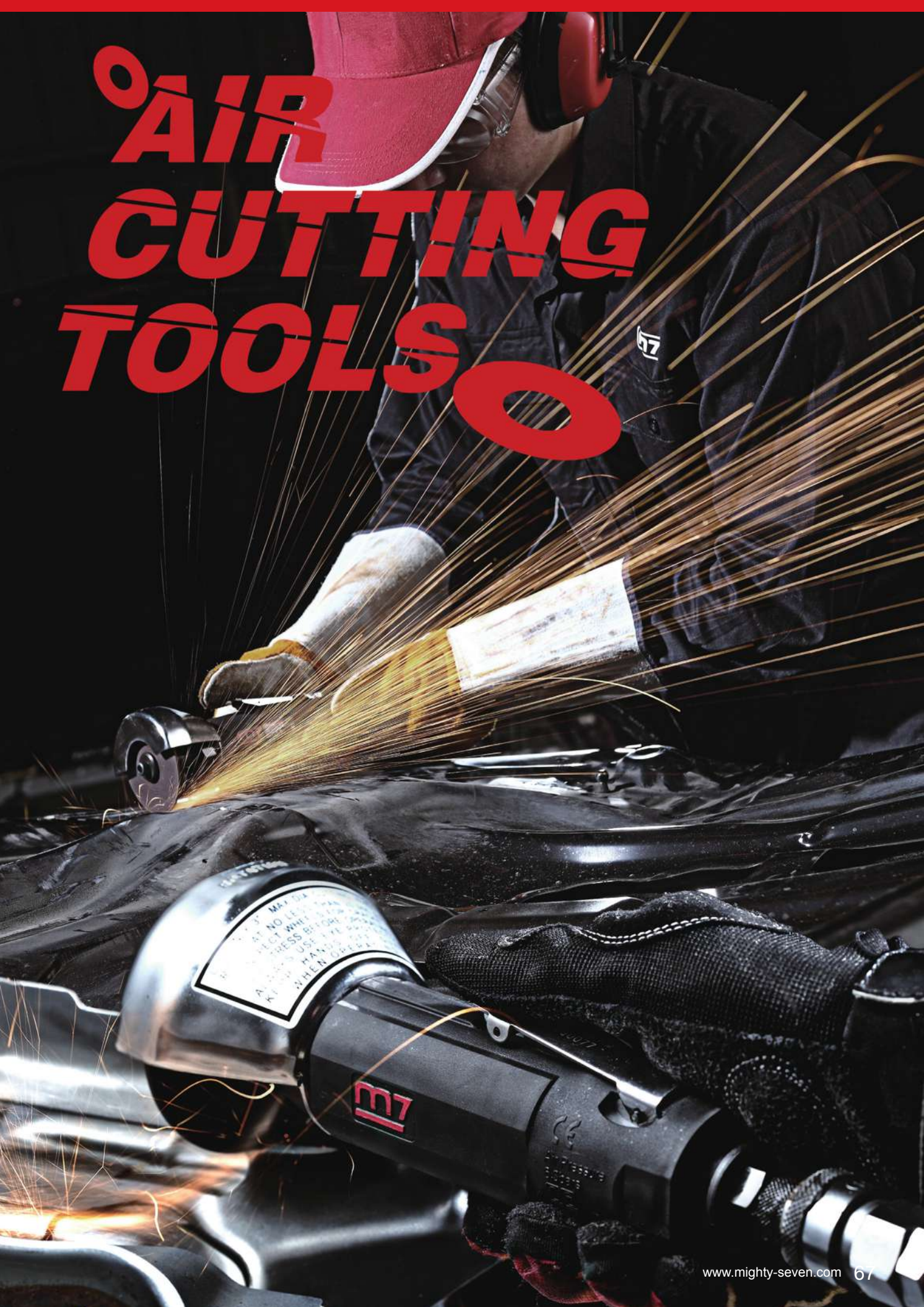
Air inlet : 1/4"



10 pieces in one carton

	Pad Dia	Spindle Size	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/s²	mm
QP-113	3"(76)	5/16"-24	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)	7/16"-20	2100	3.5(99)	90(6.3)	5-5/16"(135)	0.40	1.6 0.77	3/8"	74.0	0.3	----
QP-215	4-2/1"	7/16"-20	16000	6.5(184)	90(6.3)	6-19/64"(160)	0.80	2.6 1.20	3/8"	60.0	1.8	----
QP-317	7"(178)	5/8"-11	2500	6.0(169)	90(6.3)	16"(406)	0.40	4.0 2.04	3/8"	84.0	2.5	----
QP-307	7"(178)	M14xP2	4500	6.0(169)	90(6.3)	16"(406)	0.40	4.0 2.04	3/8"	84.0	2.5	----
QP-327	7"(178)	M14xP2	2500	6.0(169)	90(6.3)	16"(406)	0.40	4.0 2.04	3/8"	84.0	2.5	----
QP-335	5"(127)	5/16"-24	3000	3.65(105)	90(6.3)	8"(203)	0.55	1.12 0.53	1/4"	85.0		----

AIR CUTTING TOOLS



AIR CUTTING TOOLS



QD-321

Low Vibration Air Body Saw

Air inlet : 1/4"

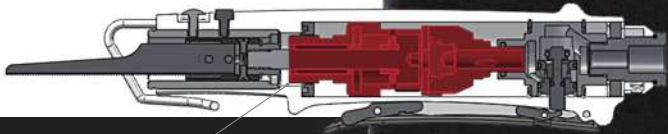
10 pieces in one carton

30%
Lower
Vibration

20%
Efficiency

Compare With ordinary models

- Special air flow design to reduce vibration 30%
- streamline modelling for better ergonomics
- Long stroke to raise work efficiency 20%
- Cylinder specially processed to raise lifetime 30%



	Strokes Length	Strokes Per min.	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level	
	mm	S.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA	m/s²	
		S.P.M								
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	



QC-213

3" HEAVY DUTY AIR CUT-OFF TOOL

Note: wheel is supplied with the tool

Available Dimension of inner hold : Ø 10mm Air inlet : 1/4"

- 0.9hp high power motor
- Excellent for cutting rusted bolts, nuts, motor exhaust clamps or hangers, sheet metal, fiberglass etc.

20 pieces in one carton



QC-234

4" HEAVY DUTY AIR CUT-OFF TOOL

Note: wheel is supplied with the tool

Available Dimension of inner hold : Ø 10mm Air inlet : 1/4"

20 pieces in one carton



- Excellent for cutting rusted bolts, nuts, motor exhaust clamps or hangers, sheet metal, fiberglass etc.



QC-253

3" AIR CUT-OFF TOOL

Note: wheel is supplied with the tool

Air inlet : 1/4"

10 pieces in one carton



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"

10 pieces in one carton



PN-150 PN-180

AIR PUNCH & FLANGE TOOL

Air inlet : 1/4"

10 pieces in one carton



PN-250 PN-280

AIR PUNCH & FLANGE TOOL

Air inlet : 1/4"

10 pieces in one carton



	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-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
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

	Punch Diameter	Capacity	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
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
PN-180	8	1.2 mm (Steel)	4.0(113)	90(6.3)	10"(254)	2.5 1.15	3/8"	62.0	0.1
PN-250	5	1.6 mm (Steel)	4.0(113)	90(6.3)	7-15/32"(190)	2.6 1.15	3/8"	62.0	0.1
PN-280	8	1.2 mm (Steel)	4.0(113)	90(6.3)	7-15/32"(190)	2.6 1.15	3/8"	62.0	0.1

AIR CUTTING TOOLS


NEW

QD-242

AIR FILE WITH HOSE

Air inlet : 1/4"

10 pieces in one carton



QD-221

AIR SAW WITH HOSE

Air inlet : 1/4"

10 pieces in one carton

Ø5.0mm



- Quick change saw blade holder allows for easy blade changing
- Adjustable guard / guide controls depth of cut precisely
- Excellent for cutting sheet aluminum, plastic and sheet metal up to 1.6mm



QD-230

AIR MINI SAW WITH HOSE

Air inlet : 1/4"

10 pieces in one carton



QD-291

AIR SAW SET Air inlet : 1/4"

10 pieces in one carton



- Quick change saw blade holder allows blade changing easily.
- 5 pieces file set and 12 saw blades are included.
- Adjustable guard / guide controls depth of cut precisely.

Contents

- Air saw tool (1 pcs)
- 24T Saw Blade (6 pcs)
- 32T Saw Blade (6 pcs)
- Allen Key: 4mm, 3mm (1 pcs)
- 1/4" 360° plug
- 5 Pieces file set
- Mini oiler 1/4" (1 pcs)



	Strokes Length mm	Strokes Per min. S.P.M	Collet 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
		S.P.M									
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-230	5	7000	5.0	2.5 (70)	90(6.3)	7"(180)	1.10	0.5	3/8"	80.0	2.4
QD-242	5	7000	5.0	5.3 (150)	90(6.3)	17-9/16"(700)	1.28	0.58	3/8"	80.0	4.5
QD-291	10	9000	5.0	4.0 (113)	90(6.3)	9-1/4"(235)	1.30	0.6	3/8"	80.0	2.4

QK-121

AIR KNIFE
Air inlet : 1/4"



QK-111

AIR KNIFE
Air inlet : 1/4"

10 pieces in one carton



QG-102

AIR SHEAR / Straight Type
Air inlet : 1/4"

10 pieces in one carton



QG-202

AIR SHEAR / Pistol Type
Air inlet : 1/4"

10 pieces in one carton



QG-103

AIR NIBBLER Air inlet : 1/4"

10 pieces in one carton



	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-111	20000	6.0(170)	7-5/64" (180)	2.4(1.1)	10	75	3.9
QK-121	19000	4.3(121)	6-15/16" (176)	1.3(0.6)	10	91	2.8

	Punch Diameter	Capacity	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
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
PN-180	8	1.2 mm (Steel)	4.0(113)	90(6.3)	10"(254)	2.5 1.15	3/8"	62.0	0.1

	Strokes Per min S.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight	Air Hose	Sound Pressure dBA	Vibration Level m/s ²	Cut Capacity mm
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



A worker wearing a white t-shirt, blue jeans, a black cap, safety glasses, and large red earmuffs is using a large air drill to drill into a metal block. The worker is wearing black gloves with red accents. The air drill is black and silver, with a long drill bit. The background is dark and industrial.

AIR DRILL



QE-831

3/8" Air Reversible Drill With Keyless Chuck

Air inlet : 1/4"

10 pieces in one carton

- one finger forward/reverse switch.
- Planet gear to strengthen drilling capability.



	Chuck Size	Free Speed	Motor	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
	inch(mm)	R.P.M	hp	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA	m/s²
QE-831	3/8"(10)	1800	0.45	4.0(113)	90(6.3)	7-1/4"(185)	2.5 1.10	3/8"	83.0	0.3

AIR DRILL

3/8" Chuck Size



QE-331/332

QE-331 3/8" Air Reversible Drill
QE-332 3/8" Air Drill
With Keyless Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear



QE-333/334

QE-333 3/8" Air Reversible Drill
QE-334 3/8" Air Drill
With Key Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear



QE-833

3/8" Air Reversible Drill
With Key Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear



QE-431/432

QE-431 3/8" Air Reversible Drill
QE-432 3/8" Air Drill
With Keyless Chuck
Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear



QE-433/434

QE-433 3/8" Air Reversible Drill
QE-434 3/8" Air Drill
With Key Chuck
Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear



QE-532

3/8" Air Drill
With Keyless Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear



QE-533

3/8" Air Reversible Drill
With Key Chuck

Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear



QE-633

3/8" 90° Air Reversible Angle Drill
With Keyless Chuck

Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear



QE-933

3/8" Air Reversible Drill
With Keyless Chuck

Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear



	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/s²
QE-331	3/8"(10)	1800	0.65	6.5(184)	90(6.3)	8"(203)	2.42	1.1	3/8"	96.5	0.3
QE-332	3/8"(10)	2200	0.60	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	0.65	6.5(184)	90(6.3)	8"(203)	2.42	1.1	3/8"	92.0	0.2
QE-334	3/8"(10)	2200	0.60	6.5(184)	90(6.3)	7-1/2"(190)	2.20	1.0	3/8"	92.0	0.2
QE-431	3/8"(10)	1800	0.50	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	0.70	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	0.50	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	0.70	4.8(135)	90(6.3)	9-1/16"(230)	2.7	1.23	3/8"	90.0	3.0
QQE-532	3/8"(10)	2800	0.70	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	0.50	4.0(112)	90(6.3)	9-13/32"(189)	2.7	1.23	3/8"	90.0	2.0
QE-833	3/8"(10)	1800	0.45	4.0(113)	90(6.3)	7-1/4"(185)	2.5	1.10	3/8"	83.0	0.3
QE-633	3/8"(10)	1600	0.50	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	0.50	3.0(85)	90(6.3)	8-15/32"(215)	2.0	0.90	3/8"	72.0	2.5

AIR DRILL

1/2"

Chuck Size



QE-341/342

QE-341 1/2" Air Reversible Drill
QE-342 1/2" Air Drill
With Keyless Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gearx 2Set



QE-343/344

QE-343 1/2" Air Reversible Drill
QE-344 1/2" Air Drill
With Key Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gearx 2Set



QE-841

1/2" Air Reversible Drill
With Keyless Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gearx 2Set



QE-843

1/2" Air Reversible Drill
With Key Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gearx 2Set



QE-845

1/2" Air Reversible Drill
With Key Chuck
Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gearx 2Set



QE-441/442

QE-441 1/2" Air Reversible Drill
QE-442 1/2" Air Drill
With Keyless Chuck
Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear x 2Set



QE-443/444

QE-443 1/2" Air Reversible Drill

QE-444 1/2" Air Drill

With Key Chuck

Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear x 2Set



QE-542

1/2" Air Drill

With Keyless Chuck

Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear x 2Set



QE-543

1/2" Air Reversible Drill

With Key Chuck

Air inlet : 1/4"

10 pieces in one carton



3pcs Planet Gear x 2Set

	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/s²
QE-341	1/2"(13)	800	0.65	6.5(184)	90(6.3)	9"(230)	3.96	1.8	3/8"	96.5	0.1
QE-342	1/2"(13)	800	0.60	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	0.65	6.5(184)	90(6.3)	9"(230)	3.96	1.8	3/8"	97.5	0.1
QE-344	1/2"(13)	800	0.60	6.5(184)	90(6.3)	8-1/4"(209)	3.74	1.7	3/8"	97.5	0.1
QE-441	1/2"(13)	1100	0.50	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	0.70	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	0.50	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	0.70	4.8(135)	90(6.3)	10-53/64"(270)	3.8	1.73	3/8"	90.0	3.0
QE-542	1/2"(13)	1300	0.70	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	0.50	4.0(112)	90(6.3)	10-55/64"(276)	3.8	1.73	3/8"	90.0	2.0
QE-841	1/2"(13)	800	0.45	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)	800	0.45	4.0(113)	90(6.3)	8-1/4"(210)	3.9	1.80	3/8"	83.0	0.3
QE-845	1/2"(13)	500	0.45	4.0(113)	90(6.3)	8-1/4"(210)	3.9	1.80	3/8"	83.0	0.3

AIR DRILL



PC-2010

Adjustable Torque Air Tapping

Air inlet : 1/4"

PC-901

Adjustable Torque Air Tapping Adapter

HEX:8mm



For: Air Drill, Electricity Drill, Cordless Drill
Drill machine



QE-231

Spot Drill&Hook

Air inlet : 1/4"

10 pieces in one carton

- 8mm drill bit included
- 6.5 .8 . 10 mm drill are available
- Adjustable chunk for esay control
- Hook is easily removed or installed.
- High quality piston improves torque and efficiency
- Common applications are drilling into odd shaped objects.
- Maximum drill depth:4.5mm steel.3.8mm stainless



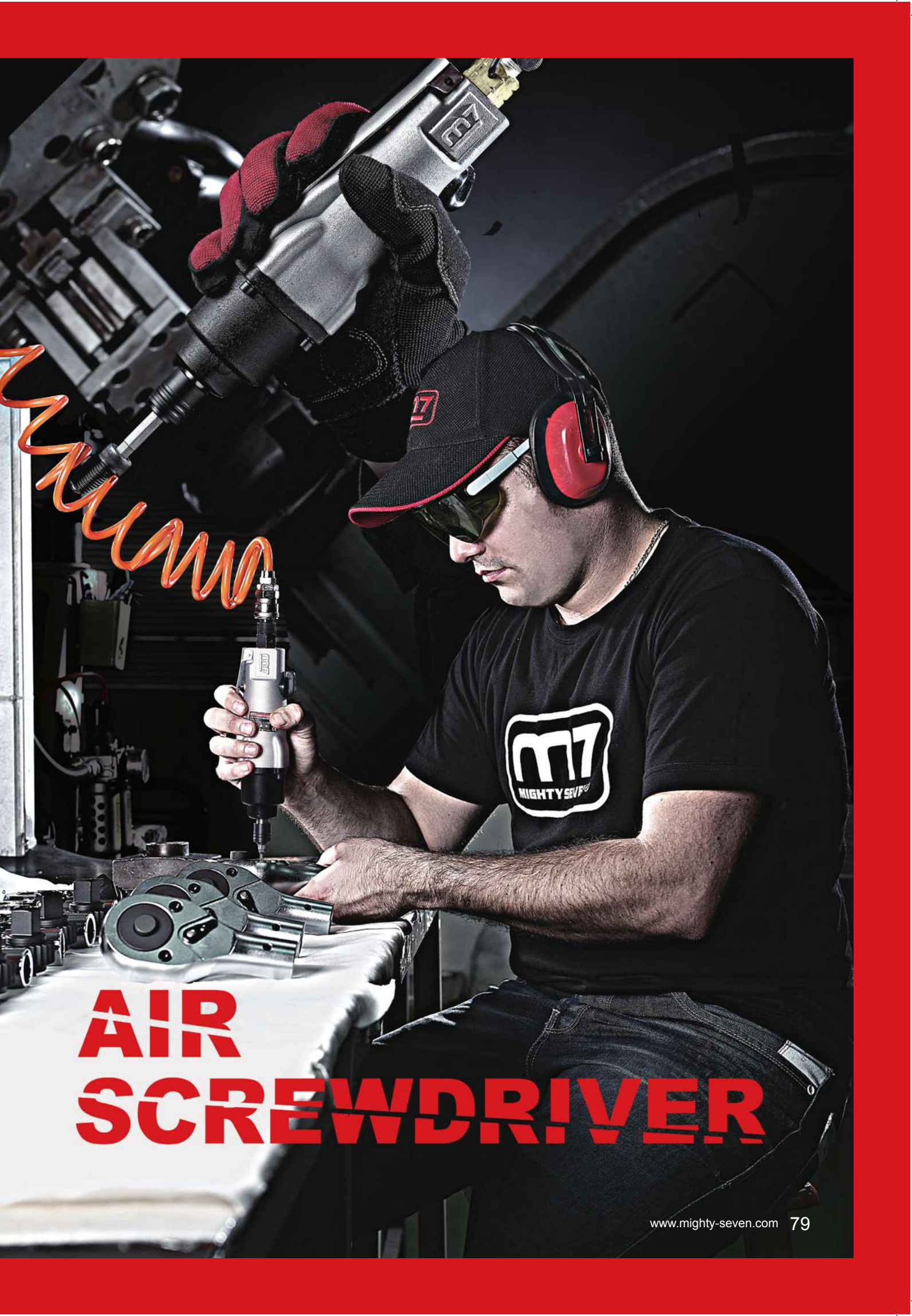
QE-98L

Double Axis Bubble Spirit Level Gradienter



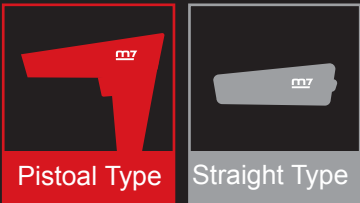
	Chuck Size	Free Speed	Motor	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
	inch(mm)	R.P.M	hp	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	m/s²
QE-231	5/16"(8)	1600	0.50	6.0(170)	90(6.3)	9-1/4"(235)	4.4	2.00	3/8"	88.2	0.1

	Capacity			Free Speed	Stroke Length	Avg. Air Consumption	Air Pressure	Net Weight		Air Hose	Sound Pressure	Vibration Level
	steel	copper	aluminum	R.P.M	inch(mm)	L/cycle	PSI (bar)	LBS	kg	Inch	dBA	m/s²
PC-2010	M3~M8	M3~M12	----	150	12"(305)	6.5(184)	90(6.3)	5.4	2.45	3/8"	82	1.5



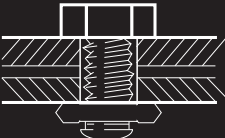
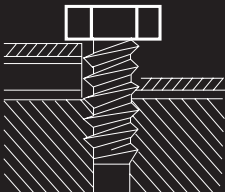
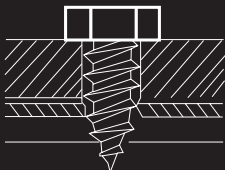
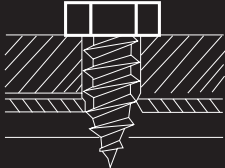
AIR SCREWDRIVER

AIR SCREWDRIVER



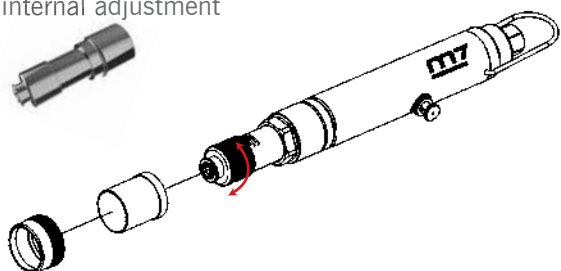
★★
Excellent

★
Good

Joint & Torque Curve	Clutch Type	Model Number					
		M3	M3.5	M4	M5	M6	M8
 <p>Free Running</p> <p>Hard stop/soft stop</p>	★★ Shut-off Screwdriver	RA-3023	RA-3017	RA-3011	RA-4008		
			RA-3123	RA-4015	RA-5005		
				RA-4021	RA-5008		
				RA-5017	RA-4108		
				RA-3111	RA-4115		
				RA-3117	RA-5015		
				RA-4121	RA-5108		
	★ Adjustable Clutch				RA-5117		
				RA-1131	RA-1151	RA-802	
				RA-1132	RA-2161	RA-302	
				RA-1141			
				RA-1142			
				RA-1162			
				RA-301			
 <p>Self-Tapping</p> <p>Thick Material</p> <p>Sheet Metal</p>	★★ Adjustable Clutch			RA-1131	RA-1151	RA-802	
				RA-1132	RA-2161	RA-302	
				RA-1141			
				RA-1142			
				RA-1162			
				RA-301			
				RA-801			
	★ Twin Dog & Twin Hammer			RA-1232	RA-2242	RA-606	RA-2272
				RA-1242	RA-102	RA-201	RA-608
				RA-101		RA-110	RA-1272
 <p>Self-Tapping</p> <p>Plastic</p>	★★ Adjustable Clutch			RA-101C		RA-105	RA-111
				RA-1131	RA-1151	RA-802	
				RA-1132	RA-2161	RA-302	
				RA-1141			
				RA-1142			
				RA-1162			
				RA-301			
	★ Twin Dog			RA-801			
				RA-1232	RA-2242	RA-606	RA-2272
				RA-1242	RA-102	RA-201	RA-608
 <p>Wood screws</p>	★★ Positive Clutch			RA-101		RA-105	RA-1272
				RA-101C			
	★ Twin Dog					RA-811	
						RA-402	
				RA-1232	RA-2242	RA-606	RA-2272
				RA-1242	RA-102	RA-201	RA-608

Clutch Type Series

internal adjustment



RA-1131

AIR Screwdriver Adjustable Clutch

Screw Capacity : M4

Air inlet : 1/4"

10 pieces in one carton



9.5mm



RA-1141

AIR Screwdriver Adjustable Clutch

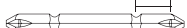
Screw Capacity : M4

Air inlet : 1/4"

10 pieces in one carton



9.5mm



RA-1151

AIR Screwdriver Adjustable Clutch

Screw Capacity : M5

Air inlet : 1/4"

10 pieces in one carton



9.5mm



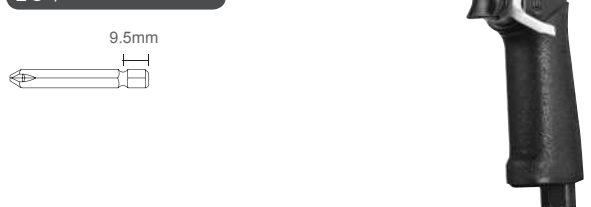
RA-2161

AIR Screwdriver Adjustable Clutch

Screw Capacity : M5

Air inlet : 1/4"

10 pieces in one carton



9.5mm



	Bit 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-1131	1/4"(6.35)	0.7~2.9(1~4)	1800	4.5(127)	90(6.3)	9"(228)	1.6 0.76	3/8"	80.0	2.3
RA-1141	1/4"(6.35)	0.7~2.2(1~3)	800	4.5(127)	90(6.3)	8-7/8"(226)	1.6 0.76	3/8"	80.0	2.3
RA-1151	1/4"(6.35)	1.4~3.7(2~5)	1900	4.5(127)	90(6.3)	9-1/32"(229)	2.2 1.01	3/8"	85.0	2.3
RA-2161	1/4"(6.35)	1.4~3.7(2~5)	750	7.5(212)	90(6.3)	7-15/32"(190)	2.20 1.00	3/8"	80.0	2.0

AIR SCREWDRIVER

Impact Type Series



Twin Dog Type



RA-101 RA-101C

AIR Screwdriver (Twin Dog Type) Screw Capacity : M4
Air inlet : 1/4"

20 pieces in one carton



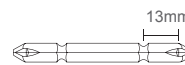
RA-101C-Chuck-Type



RA-102

AIR Screwdriver (Twin Dog Type) Screw Capacity : M5
Air inlet : 1/4"

20 pieces in one carton



RA-105

AIR Screwdriver (Twin Dog Type) Screw Capacity : M6
Air inlet : 1/4"

20 pieces in one carton



RA-110

AIR Screwdriver (Twin Hammer Type) Screw Capacity : M6
Air inlet : 1/4"

20 pieces in one carton



RA-1232

AIR Screwdriver (Twin Dog Type) Screw Capacity : M4
Air inlet : 1/4"

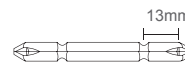
12 pieces in one carton



RA-1242

AIR Screwdriver (Twin Dog Type) Screw Capacity : M4
Air inlet : 1/4"

12 pieces in one carton



RA-1272

AIR Screwdriver (Twin Dog Type) Screw Capacity : M8
Air inlet : 1/4"

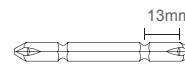
12 pieces in one carton



RA-606

AIR Screwdriver (Twin Dog Type) Screw Capacity : M6
Air inlet : 1/4"

12 pieces in one carton





RA-608

AIR Screwdriver Screw Capacity : M8
(Twin Dog Type) Air inlet : 1/4"

12 pieces in one carton



RA-201

AIR Screwdriver Screw Capacity : M8
(Twin Dog Type) Air inlet : 1/4"

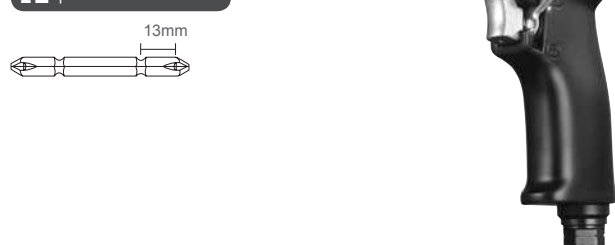
12 pieces in one carton



RA-2242

AIR Screwdriver Screw Capacity : M5
(Twin Dog Type) Air inlet : 1/4"

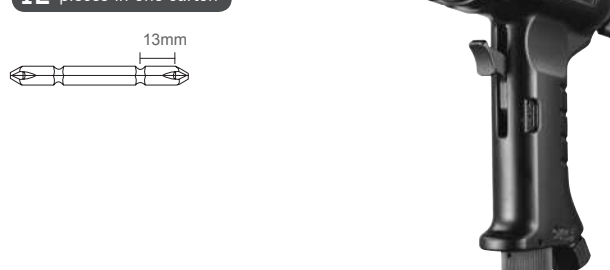
12 pieces in one carton



RA-2272

AIR Screwdriver Screw Capacity : M8
(Twin Dog Type) Air inlet : 1/4"

12 pieces in one carton

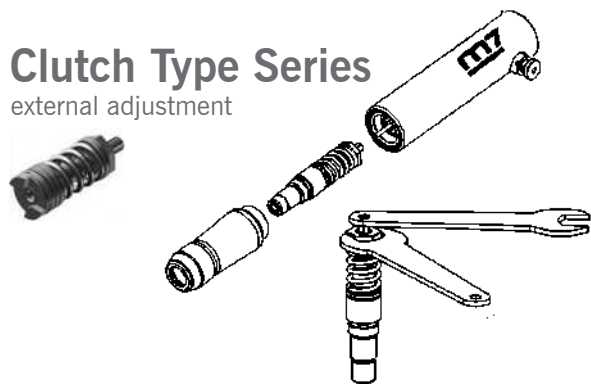


	Bit Size Inch(mm)	Torque Range FT-LB(Nm)	Free Speed R.P.M	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg		Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
RA-101	1/4"(6.35)	3.7-8.9(5-12)	9000	6.0(170)	90(6.3)	6-1/2"(166)	1.32	0.6	3/8"	85.7	2.2
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)	2.20	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)	2.20	1.0	3/8"	96.7	4.9
RA-1232	1/4"(6.35)	11~22 (15-30)	9000	4.5(127)	90(6.3)	7-11/16"(195)	1.47	0.67	3/8"	80.0	3.2
RA-1242	1/4"(6.35)	14~22 (19~30)	12500	5.0(141)	90(6.3)	6-11/16"(170)	1.25	0.57	3/8"	89.0	3.9
RA-1272	1/4"(6.35)	44-177(60-240)	8000	9.0(254)	90(6.3)	7-27/32"(200)	2.30	1.06	3/8"	97.0	5.1
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-2242	1/4"(6.35)	18~26(24.4-35.2)	13000	7.0(198)	90(6.3)	5-15/16"(150)	2.0	0.9	3/8"	88.0	2.7
RA-2272	1/4"(6.35)	44~177(59-240)	7700	8.5(240)	90(6.3)	7-11/16"(195)	3.0	1.38	3/8"	93.0	4.9

AIR SCREWDRIVER

Clutch Type Series

external adjustment



RA-1132

AIR Screwdriver Adjustable Clutch

Screw Capacity : M4

Air inlet : 1/4"

10 pieces in one carton



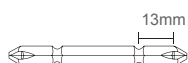
RA-1142

AIR Screwdriver Adjustable Clutch

Screw Capacity : M4

Air inlet : 1/4"

10 pieces in one carton



RA-1162

AIR Screwdriver Adjustable Clutch

Screw Capacity : M6

Air inlet : 1/4"

10 pieces in one carton

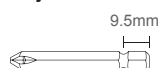


RA-301

AIR Screwdriver
Adjustable Clutch

Screw Capacity : M4

Air inlet : 1/4"



10 pieces in one carton

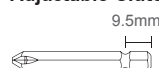


RA-302

AIR Screwdriver
Adjustable Clutch

Screw Capacity : M6

Air inlet : 1/4"



10 pieces in one carton

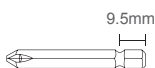




RA-801

**AIR Screwdriver
Adjustable Clutch**

Screw Capacity : M4
Air inlet : 1/4"



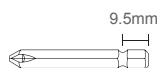
10 pieces in one carton



RA-802

**AIR Screwdriver
Adjustable Clutch**

Screw Capacity : M6
Air inlet : 1/4"



10 pieces in one carton

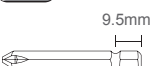
Positive Clutch Type



RA-402

**AIR Screwdriver
(Positive Clutch Type)**

Screw Capacity : M6
Air inlet : 1/4"



10 pieces in one carton



RA-811

**AIR Screwdriver
(Positive Clutch Type)**

Screw Capacity : M6
Air inlet : 1/4"



10 pieces in one carton

	Bit 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-1132	1/4"(6.35)	0.7~2.2(1-3)	2200	6.0(170)	90(6.3)	9-7/32"(235)	1.7	0.8	3/8"	80.0	2.3
RA-1142	1/4"(6.35)	0.7~2.2(1-3)	1700	5.0(141)	90(6.3)	9-7/32"(235)	1.34	0.61	3/8"	80.0	2.0
RA-1162	1/4"(6.35)	1.5~5.9(2-8)	600	6.0(170)	90(6.3)	10-7/16"(265)	2.1	0.95	3/8"	90.0	2.2
RA-301	1/4"(6.35)	3.8-10(5-13.5)	1800	6.0(170)	90(6.3)	7-1/2"(190)	2.40	1.1	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)	2.80	1.3	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)	2.70	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)	2.80	1.30	3/8"	83.0	4.2
RA-402	1/4"(6.35)	5-14(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)	7"(178)	2.50	1.13	3/8"	83.0	3.7

AIR SCREWDRIVER



Torque Control or Shut-off



9.5mm

RA-31/RA-41 RA-51 SERIES

Shut-off Screwdriver
Air inlet : 1/4"



ZT-31

Digital Torque Tester
Torque Range 0~14.7Nm



9.5mm

RA-30/RA-40/RA-50 SERIES Shut-off Screwdriver

Air inlet : 1/4"

- Proved by the life-time tester, these items can be operated continuously up to 1.5 million times.
- Industrial grade, excellent for long continous operation on various mass production lines..
- Low noise and vibration rate, high adjustable accuracy up to + - 5%.



20 pieces in one carton

	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/s²
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
RA-3111	7/64"(2.6)	9.7-18.5(1.1-2.1)	1100	7.0(198)	90(6.3)	6-11/16"(170)	1.57 0.71	1/4"	82.0	0.73
RA-3117	1/4"(6.35)	6.2-13.2(0.7-1.5)	1700	7.0(198)	90(6.3)	6-11/16"(170)	1.57 0.71	1/4"	84.0	1.51
RA-3123	1/4"(6.35)	3.5-8.8(0.4-1.0)	2300	7.0(198)	90(6.3)	6-11/16"(170)	1.57 0.71	1/4"	84.0	1.34
RA-4108	1/4"(6.35)	14.1-35.2(1.6-4.0)	800	10.5(297)	90(6.3)	6-15/16"(175)	1.92 0.87	1/4"	87.5	1.18
RA-4115	1/4"(6.35)	8.8-19.4(1.0-2.2)	1500	10.5(297)	90(6.3)	6-15/16"(175)	1.92 0.87	1/4"	85.5	1.59
RA-4121	1/4"(6.35)	8.8-13.2(1.0-1.7)	2100	10.5(297)	90(6.3)	6-15/16"(175)	1.92 0.87	1/4"	86.8	1.61
RA-5105	1/4"(6.35)	44-92.4(5.0-10.5)	480	17.5(496)	90(6.3)	7-4/5"(198)	2.65 1.20	1/4"	93.1	0.48
RA-5108	1/4"(6.35)	26.4-48.4(3.0-5.5)	800	17.5(496)	90(6.3)	7-4/5"(198)	2.65 1.20	1/4"	93.6	0.93
RA-5117	1/4"(6.35)	13.2-23(1.5-2.6)	1700	17.5(496)	90(6.3)	7-4/5"(198)	2.65 1.20	1/4"	93.6	1.35

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

SPRING BALANCER
30 pieces in one carton



SP-212 SP-213

Spring Balancer
30 pieces in one carton

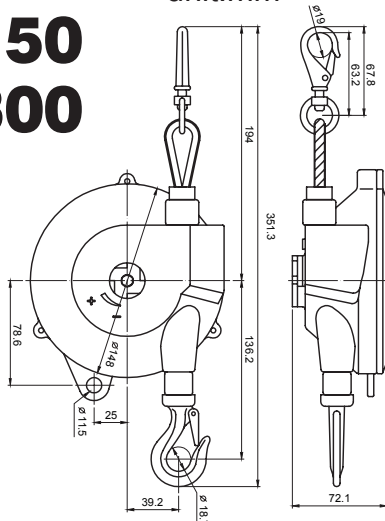


SP-3050/3070 SP-3090/3150 SP-3320/3300

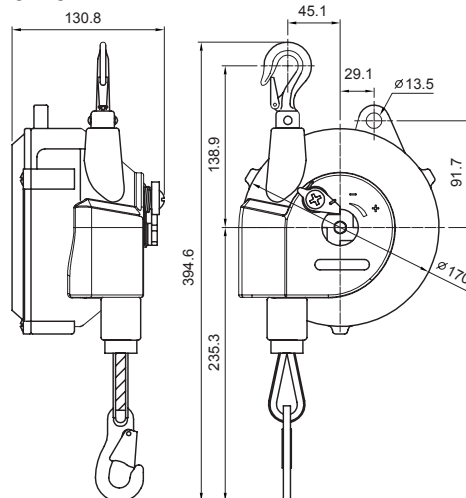
Spring Balancer
2 pieces in one carton



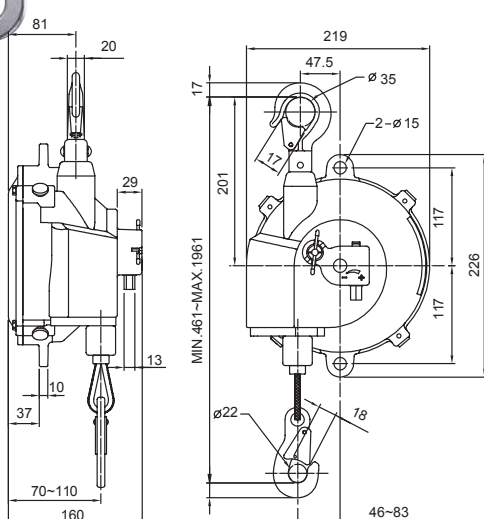
SP-3050-3070
unit:mm



SP-3090-3150
unit:mm



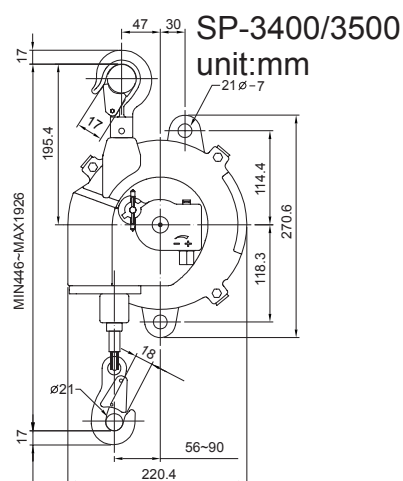
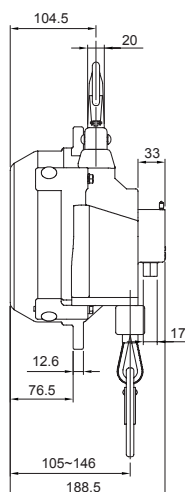
SP-3220/3300
unit:mm



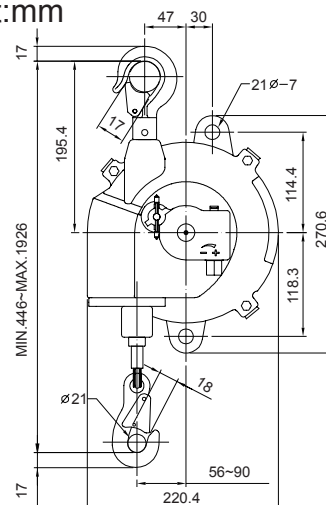
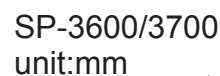
	Capacity Kg	Travel m	Rope	Rope Dia mm	Weight kg
SP-101	0.3~0.8	1.6	Cable	2.5	0.49
SP-102	0.6~1.5	1.6	Cable	2.5	0.52
SP-103	1.0~2.0	1.6	Cable	2.5	0.53
SP-104	1.5~3.0	1.5	Cable	3.2	0.76
SP-105	3.0~5.0	1.5	Cable	3.2	0.81
SP-111	0.3~0.8	1.6	Nylon	2.5	0.49
SP-112	0.6~1.5	1.6	Nylon	2.5	0.52
SP-113	1.0~2.0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

SPRING BALANCER

A black and red M7 winch is shown against a white background. The winch has a black body with a red 'M7' logo on the side. It features a large metal hook at the top for lifting and a cable with a metal hook at the bottom for pulling. The winch is mounted on a black base.



SPRING BALANCER

88 www.mighty-seven.com

AIR HAMMER



AIR HAMMER



SC-331C SC-341C

Low Vibration Air Hammer
Air Hammer Round Shank
Air Hammer Hex Shank

SC-4 chisel kit is provided along with the tool.
Air inlet : 1/4"

10 pieces in one carton



30%
Lower
Vibration

20%
Efficiency

Compare With ordinary models



- Vibration-reduced grip
- Reduce vibration by controlling air passage



SC-332C SC-342C

Air Hammer Round Shank
Air Hammer Hex Shank

SC-4 chisel kit is provided along with the tool.
Air inlet : 1/4"

10 pieces in one carton



SC-211C SC-221C

Air Hammer Round Shank
Air Hammer Hex Shank

SC-4 chisel kit is provided along with the tool.
Air inlet : 1/4"

10 pieces in one carton



SC-212C SC-222C

Air Hammer Round Shank
Air Hammer Hex Shank

SC-4 chisel kit is provided along with the tool.
Air inlet : 1/4"

10 pieces in one carton



SN-1032

Air Hammer Round Shank
Air Hammer Hex Shank

SC-4 chisel kit is provided along with the tool.
Air inlet : 1/4"



include the chisel

SC-33C/34C

Needle Scaler Adaptor for Air Hammer Tools use
Round / Hex
19pcs $\varnothing 3\text{mm} \times 180\text{mm}$

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

20 pieces in one carton



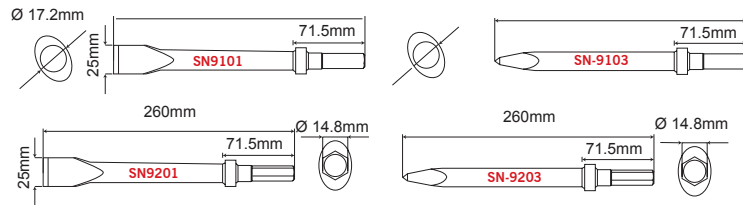
● SC-33C - / Round ● SC-34C - / Hex



SN-9101/9103

SN-9201/9203

Chisel For SN-31/SC-32 SERIES



SC-07C[SET]

- 1pc- Air Hammer (Various Selections)
- 5pcs-Chisel Kits
- 1pc- Spring Retainer

Item No.	Shank	Contents
SC-0517C	Round Shank	SC-211C
SC-0527C	Round Shank	SC-212C

Item No.	Shank	Contents
SC-0617C	Hex Shank	SC-221C
SC-0627C	Hex Shank	SC-222C

5 pieces in one carton



	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-332C	●	0.401(10.2)	92	2200	8.2(232)	90(6.3)	8-63/64"(228)	4.4 2.0	3/8"	94.0	10.6
SC-342C	●	0.393(10)	92	2200	4.0(113)	90(6.3)	8-63/64"(228)	4.4 2.0	3/8"	94.7	10.6
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

AIR HAMMER



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

AIR Chipping Hammer



include the chisel



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

AIR Chipping Hammer



include the chisel



SN-1268

Air Needle Scaler

Air inlet : 1/4"

10 pieces in one carton



SN-1288

Air Needle Scaler

Air inlet : 1/4"

10 pieces in one carton



SN-1368

Air Needle Scaler

Air inlet : 1/4"

10 pieces in one carton



- Strengthened internal parts to raise lifespan by one time
- Strengthened front casing mechanism, not tend to wear out
- Quick accessory change for needles or chisels
- Adjust spring easily and effortlessly

50%
longer
lifetime

10%
more
Powerful



SN-2124

Air Pistol Grip Needle Scaler
Air inlet : 1/4"

NEW



10 pieces in one carton



SN-2128

Air Pistol Grip Needle Scaler
Air inlet : 1/4"

NEW



10 pieces in one carton



SN-2110

Air Pistol Needle Scaler
Air inlet : 1/4"

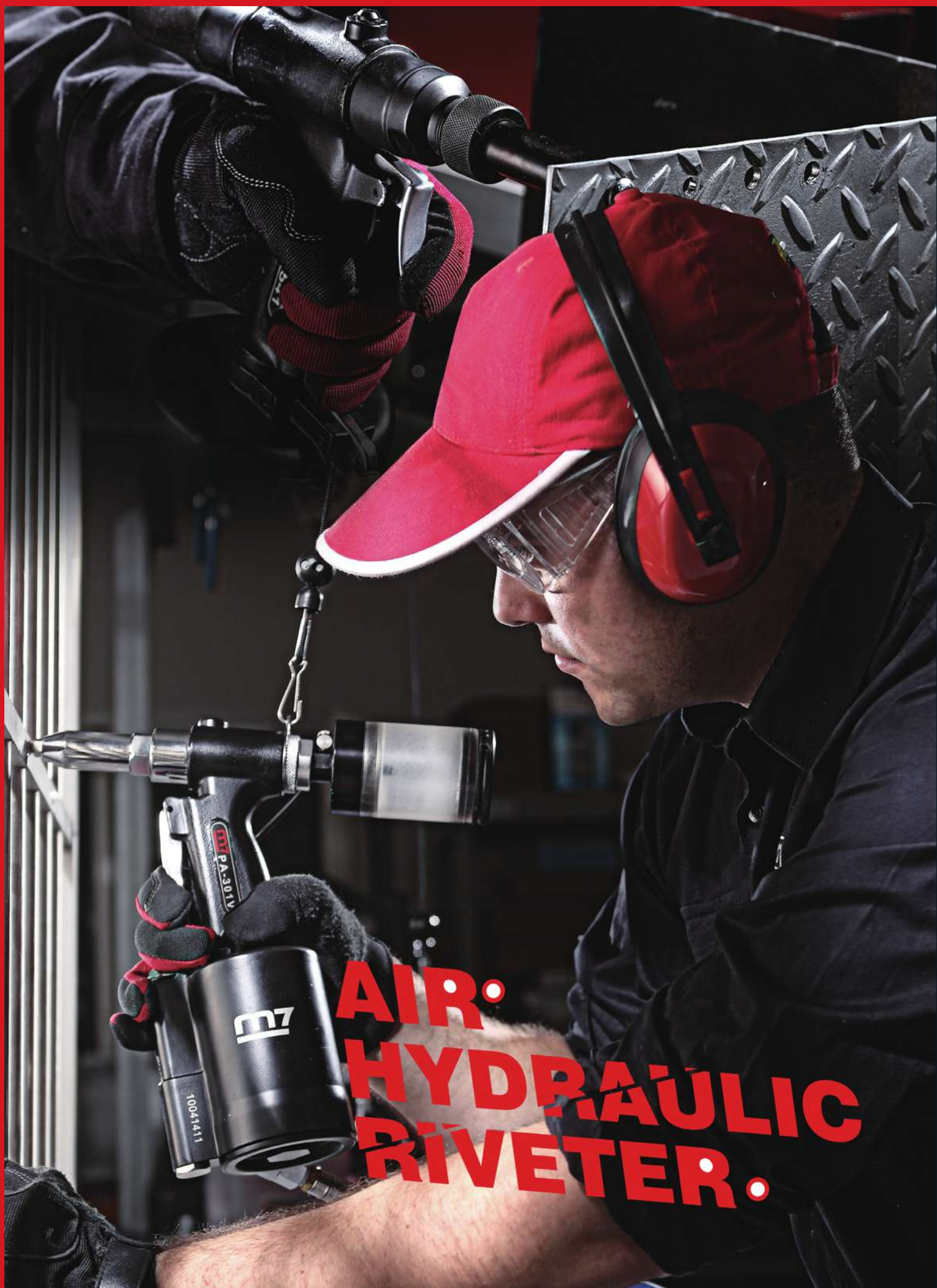


10 pieces in one carton

	Shank	Chuck Size	Stroke Length	Bolw Per Minute	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
		inch(mm)	mm	bpm	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	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	20.0(566)	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	20.0(566)	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	22.0(622.6)	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	22.0(622.6)	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	24.0(679.2)	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	24.0(679.2)	90(6.3)	17-1/2"(445)	19.4	8.8	1/2"	114.1	6.2

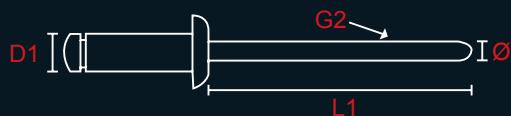
	Needle Diameter	Numbers of Needle	Stroke Length	Bolw Per Minute	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight		Air Hose	Sound Pressure	Vibration Level
	mm	inch(mm)	mm	bpm	CFM (L/min)	PSI (bar)	Inch (mm)	LBS	kg	Inch	dBA	m/s ²
		—	—	bpm								
SN-1268	3x180	19	28	4600	15(424)	90(6.3)	18-1/8"(460)	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
SN-2128	3x180	19	28	3500	7.4(198)	90(6.3)	13-9/16"(335)	6.2	2.80	3/8"	100.0	8.1
SN-2124	3x180	19	27	4000	7.4(209)	90(6.3)	13-9/16"(350)	7.9	3.60	3/8"	99.0	14.8

AIR HYDRAULIC RIVETER



**AIR
HYDRAULIC
RIVETER.**

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							
	stainless	steel							
	stainless	steel							
	stainless	stainless							
PA-211	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
PA-301	stainless	stainless							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-301V	stainless	steel							
	stainless	steel							
	stainless	steel							
	stainless	stainless							
PA-321	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
PA-202	stainless	stainless							
	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
PA-312	stainless	stainless							
	stainless	steel							
	stainless	steel							
	stainless	stainless							
PA-401V	aluminum	aluminum							
	aluminum	steel							
	steel	steel							
	stainless	steel							
PA-211TS	stainless	stainless							
	aluminum	aluminum							
	steel	steel							
	stainless	steel							



Hydramlic 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)
	6.4mm	above30mm	3.84~4.15(G2)
PA-211TS	6.4mm	above40mm	3.84~4.15(G2)
	8.0mm	above40mm	4.35~4.65(G2)

AIR HYDRAULIC RIVETER



PA-111

Air Hydraulic Riveter Air inlet : 1/4"

4 pieces in one carton



PA-201

Air Hydraulic Riveter Air inlet : 1/4"

6 pieces in one carton



PA-211

Air Hydraulic Riveter Air inlet : 1/4"

6 pieces in one carton



PA-301

Air Hydraulic Riveter Air inlet : 1/4"

4 pieces in one carton



PA-321

Air Hydraulic Riveter Air inlet : 1/4"

6 pieces in one carton



PA-201V

Air Hydraulic Riveter Air inlet : 1/4"
Vacuum Type

6 pieces in one carton





PA-301V

Air Hydraulic Riveter Air inlet : 1/4"
Vacuum Type

4 pieces in one carton



PA-401V

Air Hydraulic Riveter Air inlet : 1/4"
Vacuum Type

6 pieces in one carton



PA-202

Air Hydraulic Riveter Air inlet : 1/4"
Vacuum Type

6 pieces in one carton



PA-312

Air Hydraulic Riveter
Vacuum Type
Air inlet : 1/4"

6 pieces in one carton



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



	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-201V	3534(1603)	14	2.4-6.4	90(6.3)	2.32	3.9 1.79	3/8"	79.7	0.5
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-401V	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

AIR HYDRAULIC RIVETER



PA-211TS

Air Hydraulic Riveter
Air inlet : 1/4"

4 pieces in one carton



PB-2402

Air Hydraulic Rivet Nut Tool
Air inlet : 1/4"

6 pieces in one carton



PB-1305 PB-1308 PB-1310

Air Rivet Nut Tool
Air inlet : 1/4"

- Automatic mechanism to quickly push up and pull back rivet.
- Quick release clip design to change spindle easily.
- Two trigger design for quick forward/reverse operation.



PB-1312

Air Rivet Nut Tool
Air inlet : 1/4"



	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 LBS kg	Air Hose Inch	Sound Pressure dBA	Vibration Level m/s ²
PB-1305	-----	1200	-----	M3.M4.M5	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-1310	-----	400	-----	M10. M12	90(6.3)	7.8	2.80 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
PB-2402	3638(1650)	----	9	Steel M4~M10 Stainless M4~M8	90(6.3)	1.50	3.40 1.55	3/8"	82.0	0.8
PA-211TS	3748(1700)	----	18	6.4 & 8.0	90(6.3)	2.90	3.80 1.75	3/8"	79.7	0.8

PA-9048PT

Riveter Adaptor

PA48PB06T

Riveter Adaptor + Rivet Nut Adaptor

PB-9006PT

Rivet Nut Adaptor



Safety Note

Please note the following safety notes to avoid malfunctions, damage or physical injury:

- Please observe all safety notes of the used driving tool (drill)
- Always switch off the driving tool and pull off the power plug before maintaining the blind Riveting attachment, e.g. changing the nosepieces or when not in use.
- Only use the blind bolting attachment as indicated in this manual for setting blind Rivets. The unit is not designed for continuous, professional use.
- Always secure the work piece.
- Do not wear loose clothing or jewellery. Tie up hair or clothing cannot get into moving parts.
- Persons with limited physical, sensorial or mental abilities are not allowed to use the unit, unless they are supervised for their safety by a qualified person or are briefed by the responsible person how to use the unit.
- Only use the blind Riveting attachment with the included nosepieces.
- Should the unit become damaged do not use it and have it repaired by a professional or contact our customer support department. Do not disassemble the unit or try repairing it yourself.
- Do not continue using the unit if it was damaged or the unit was dropped down. Please contact our customer support service.

AIR HYDRAULIC RIVETER

PA-9048

4.8mm (3/16") Riveter Adaptor

PA-9064

6.35mm (1/4") Riveter Adaptor



PB-9006

M6 Rivet Nut Adaptor

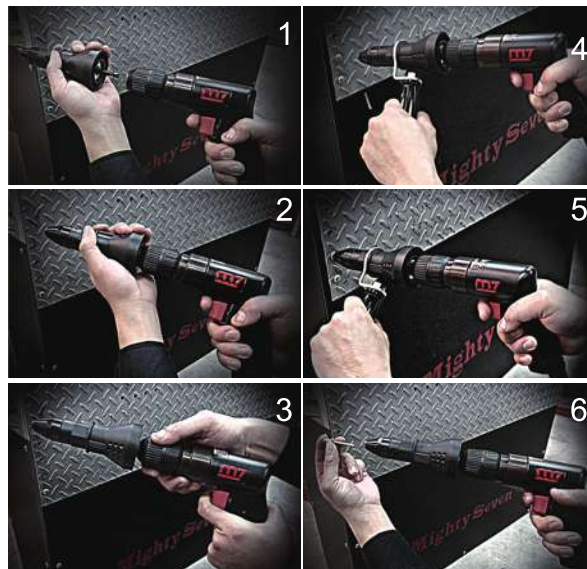
PB-9010

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-9064

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
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

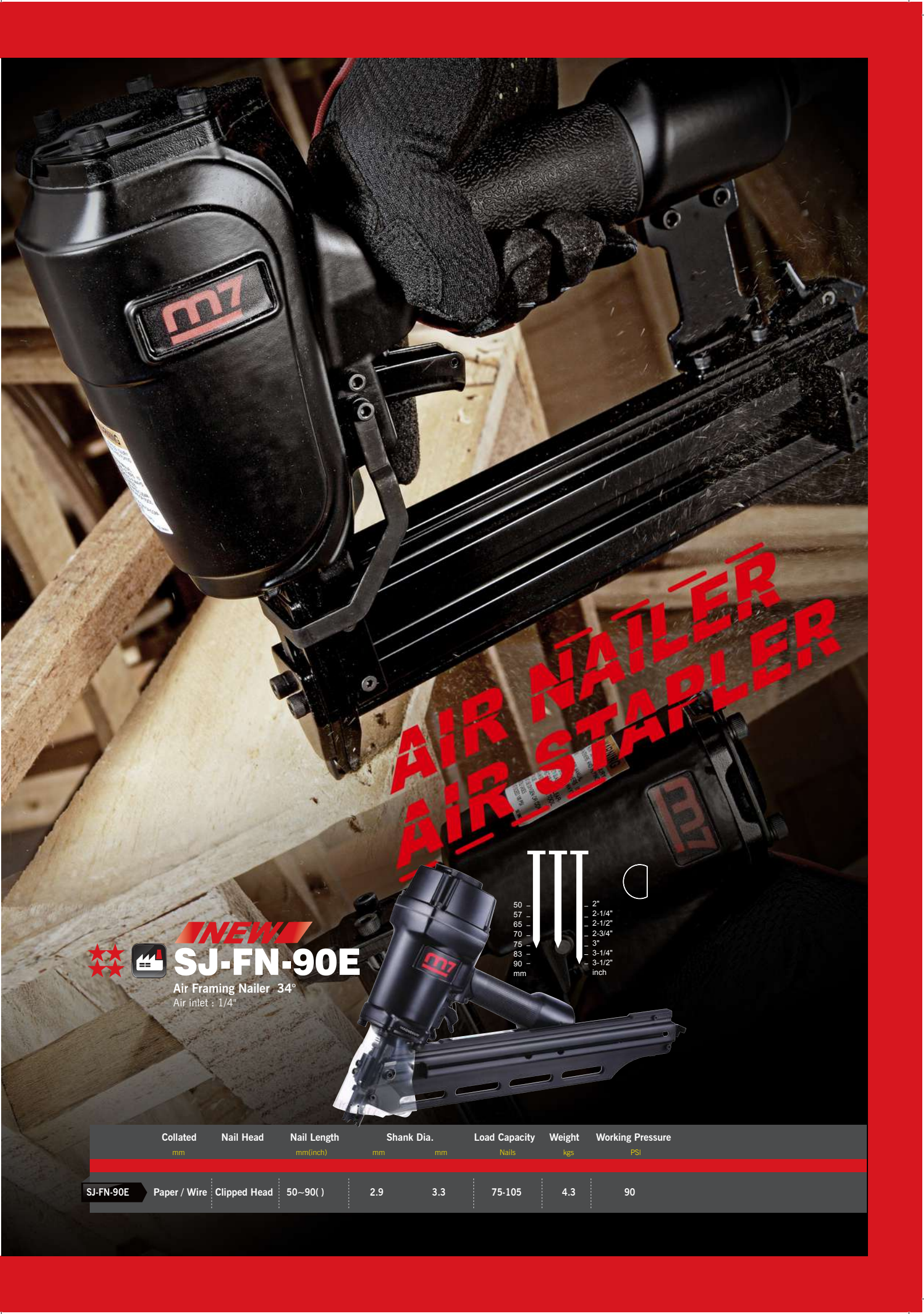
PA-9048

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

PB-9010

Dimensions	59mm x180mm(2-11/32" x 7-3/32")
Weight	350g=0.77 lbs
Nosepiece	M6 M8 M10
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



NEW

SJ-FN-90E

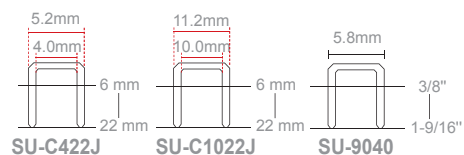
Air Framing Nailer 34°
Air inlet : 1/4"



50	-	2"
57	-	2-1/4"
65	-	2-1/2"
70	-	2-3/4"
75	-	3"
83	-	3-1/4"
90	-	3-1/2"
mm		inch

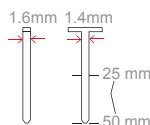
	Collated mm	Nail Head	Nail Length mm(inch)	Shank Dia. mm	Load Capacity Nails	Weight kgs	Working Pressure PSI
SJ-FN-90E	Paper / Wire	Clipped Head	50~90()	2.9 3.3	75-105	4.3	90

AIR NAILER AIR STAPLER



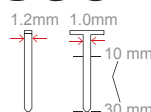
SJ-1650T

Air Nailer
Air inlet : 1/4"
Safety trigger



SJ-1830 SJ-C1830F

Air Nailer
Air inlet : 1/4"
Safety trigger



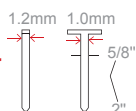
SU-C422J SU-C1022J SU-9025

Air Stapler Air inlet : 1/4"



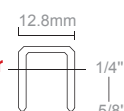
SJ-1850F

Air Nailer
Air inlet : 1/4"
Safety trigger



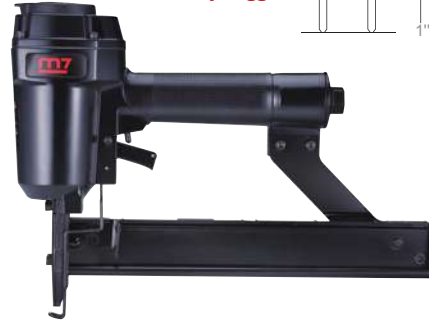
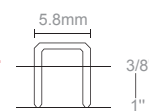
SU-8016

Air Stapler
Air inlet : 1/4"
Safety trigger



SU-9040

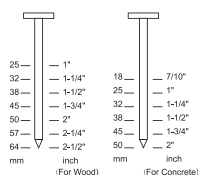
Air Stapler
Air inlet : 1/4"
Safety trigger



SJ-TN64

Air Concrete Nailer
Air inlet : 1/4"

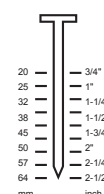
NEW



SJ-BNF-1664

Air Brad Nailer
Air inlet : 1/4"

NEW



**NEW**

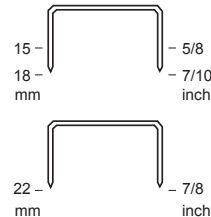
SU-H3518S
SU-H3522S
SU-H3218S
SU-H3222S

Hand Carton Stapler

**NEW**

SU-A3518S
SU-A3522S
SU-A3218S
SU-A3222S

Air Carton Stapler



	Dimensions mm	Nail Length mm(inch)	Crown mm	Shank (Thickness/Width) mm mm	Load Capacity Nails	Weight kgs	Working Pressure PS
SU-A3518S	200*102*400	15&18	32.1	0.9 / 1.9	100	2.49	90
SU-A3522S	200*102*400	22	34.8	0.9 / 2.2	100	2.49	90
SU-A3218S	200*102*400	15&18	32.1	0.9 / 1.9	100	2.49	90
SU-A3222S	200*102*400	22	32.1	0.9 / 1.9	100	2.49	90
SU-H3518S	310*102*460	15&18	34.8	0.9 / 2.2	100	2.18	----
SU-H3522S	310*102*460	22	34.8	0.9 / 2.2	100	2.18	----
SU-H3218S	310*102*460	15&18	32.1	0.9 / 1.9	100	2.18	----
SU-H3222S	310*102*460	22	32.1	0.9 / 1.9	100	2.18	----

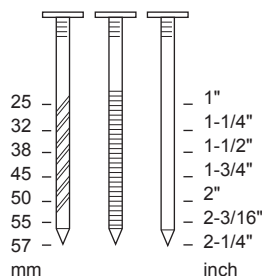
	Head Dia. mm	Gauge	Nail Length mm(inch)	Crown mm mm	Shank (Thickness/Width) mm mm	Load Capacity Nails	Weight kgs	Working Pressure PS
SJ-1650T	----	16	20-50 (3/4"-2")	----	1.4 1.60	100	2.35	90
SJ-1830F	----	18	10-30 (3/8"-1-1/6")	----	1.0 1.25	100	1.10	90
SU-C422J	----	20	10-22 (3/8"-7/8")	5.2 0.6x1.2	----	100	1.20	90
SU-C1022J	----	20	10-22 (3/8"-7/8")	11.2 0.6x1.2	----	100	1.20	90
SJ-1850F	----	18	20-50 (3/4"-2")	----	1.0 1.25	100	1.48	90
SU-8016	----	21	6-16 (1/4"-5/8")	12.9 0.65x0.95	----	160	0.90	90
SU-9025	----	18	10-25 (3/8"-1")	5.8 1.0x1.25	----	100	1.20	90
SU-9040	----	18	19-40 (3/4"-1-9/16")	5.8 1.0x1.25	----	100	2.20	90
SJ-TN64	7.5	13	(18-64)	----	2.5 2.50	80	2.35	90
SJ-BNF-1664	2.8	13	(20-64)	----	1.4 1.60	100	2.32	90

AIR NAILER AIR STAPLER



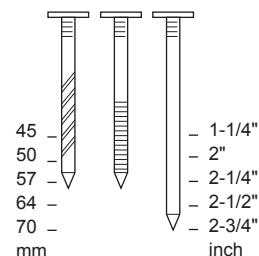
SJ-CN55

Coil Nailer
Air inlet : 1/4"



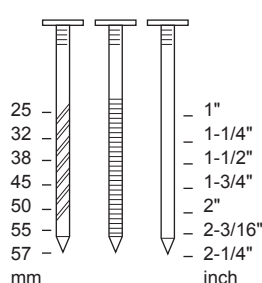
SJ-CN70

Coil Nailer
Air inlet : 1/4"



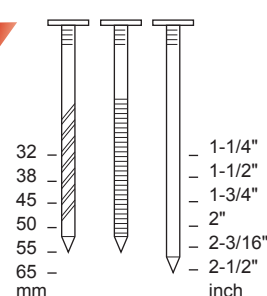
SJ-CN57

57mm Air Coil Nailer
Air inlet : 1/4"

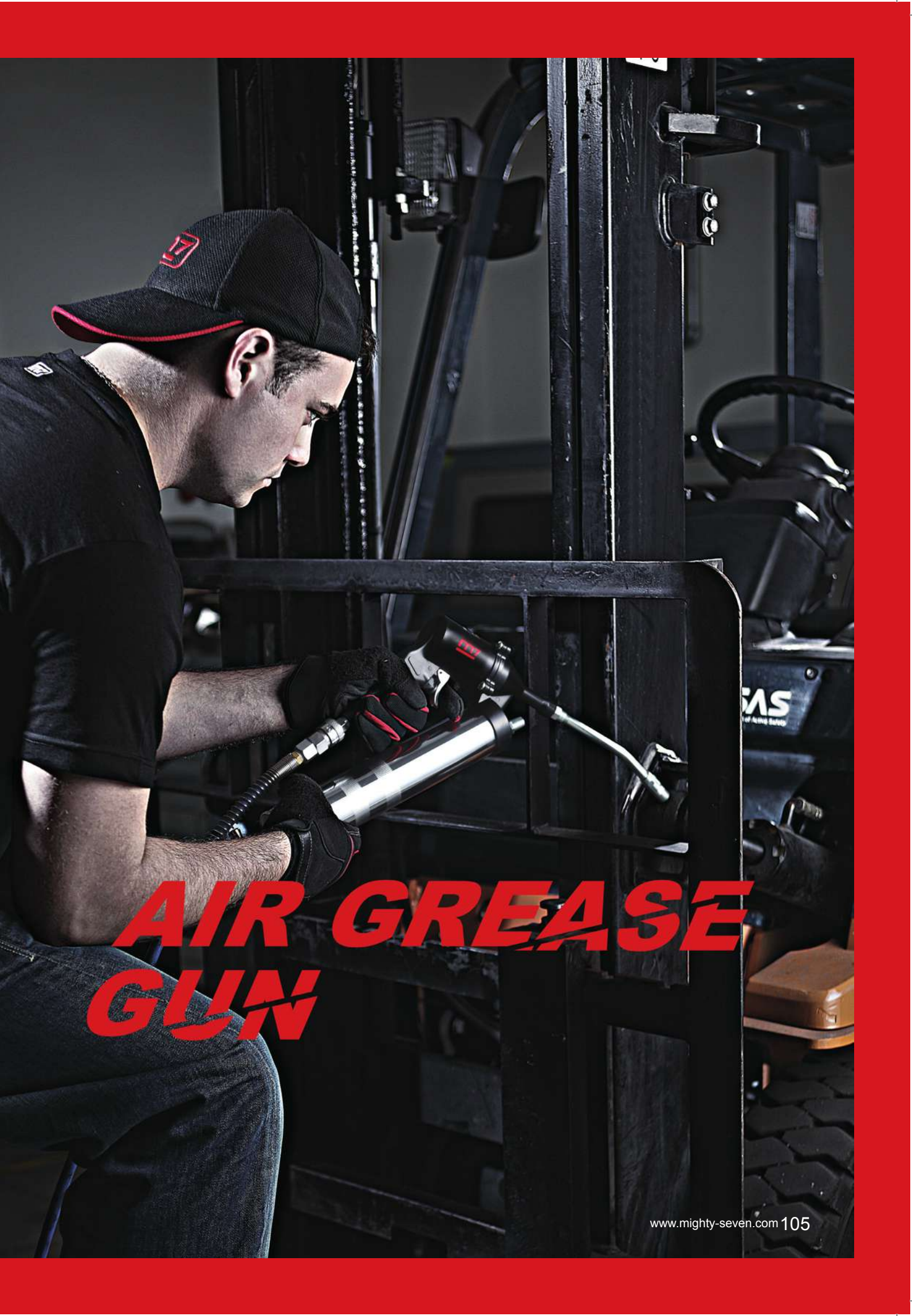


SJ-CN65

65mm Air Coil Nailer
Air inlet : 1/4"



	Shank Dia. mm	Head Dia. mm	Nail Length mm	Collated	Driving Power (ft-lb)	Load Capacity	Dimensions (H*W*L)mm	Weight kg	Working Pressure PSI
SJ-CN55	2.1-2.3	5.0-5.7	25~57	Wire	36.54	300-350	283*131*270	2.8	90
SJ-CN70	2.3-2.9	5.7-7.0	45~70	Wire	61.07	150-300	303*129*307	3.7	90
SJ-CN57	2.1-2.3	5.0-5.7	25~70	Wire / Plastic	36.40	200-300	310*130*300	2.2	90
SJ-CN65	2.3-2.5	5.0-6.0	32~65	Wire / Plastic	39.70	200-300	330*130*300	2.3	90



AIR GREASE GUN

AIR GREASE GUN



SG-400/500

Air Grease Gun

Air inlet : 1/4"

Note: SG-500 for Australia



10 pieces in one carton



SG-400C

Composite Air Grease Gun

Air inlet : 1/4"



10 pieces in one carton

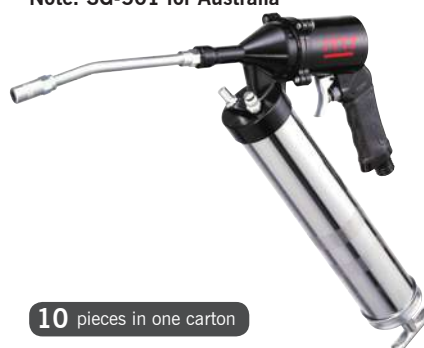


SG-401/501

Air Grease Gun / Continuous Type

Air inlet : 1/4"

Note: SG-501 for Australia



10 pieces in one carton

SG-101

Lubrication Kit



SO-10T

Lubrication Kit



SO-10

Lubrication



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

Air Blow Gun

Air inlet : 1/4"



JC-405/410/412 JC-424/435

Air Blow Gun

Air inlet : 1/4"



JC-304 / JC-405
JC-340 / JC-435

60 pieces in one carton

JC-310 / JC-410
JC-313 / JC-412
JC-320 / JC-424

50 pieces in one carton

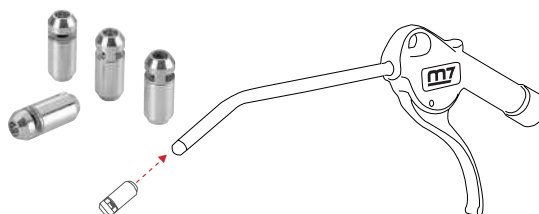


JC-491

Standard Safety Tip

Available with

JC-491 for JC-405 JC-410 JC-412 JC-424 JC-435



JC-640/641/680

Super Air Blow Gun

Air inlet : 1/4"

JC-640/JC-641 40"

JC-680 80"

30 pieces in one carton



JC-0424[SET]

Air Blow Gun

Air inlet : 1/4"

Contenes

JC-405 8PCS

JC-410 8PCS

JC-412 8PCS

4 set in one carton



JC-0415[SET]

Air Blow Gun

Air inlet : 1/4"

Contenes

JC-405 15PCS

4 set in one carton



	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-500	1/4"	2.8-8.4	10.5	500	3/8"	3.52 1.6	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
SG-501	1/4"	2.8-8.4	10.5	500	3/8"	3.74 1.7	74.0	2.0

	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-405	5"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.24 0.11	3/8"	90.0
JC-410	10"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.26 0.12	3/8"	90.0
JC-412	12"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.28 0.13	3/8"	90.0
JC-424	24"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.31 0.14	3/8"	90.0
JC-435	35"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.55 0.25	3/8"	90.0
JC-640	40"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	0.75 0.34	3/8"	90.0
JC-680	80"	75-120(5.3-8.5)	150(10.6)	13.0(368)	15.0(425)	1.41 0.64	3/8"	90.0

0.5HP SERIES



0.5HP SERIES





NE-383 NE-483














1/2" & 3/8" DRIVE AIR
RATCHET WRENCH
Air inlet : 1/4"

**TWO STEP
TRIGGER**



10 pieces in one carton

MIGHTY SEVEN®

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	ms ⁻²
												
NE-383	3/8"	10-65(13.5-88)	100 135.6	250	5.0(141)	90(6.3)	10-29/32"(277)	2.82	1.28	3/8"	85	2.0
NE-483	1/2"	10-65(13.5-88)	100 135.6	250	5.0(141)	90(6.3)	10-29/32"(277)	2.82	1.28	3/8"	85	2.0

0.5HP SERIES



NE-462T

**1/2" Drive Air Angle
Impact Ratchet**

Air inlet : 1/4" Pin Ciltch Type

10 pieces in one carton



QA-110 A/B

Air Die Grinder Air inlet : 1/4"

20 pieces in one carton



QA-116 A/B

Air Die Grinder Air inlet : 1/4"

20 pieces in one carton



QA-681 A/B

Air Die Grinder Air inlet : 1/4"

- Spindle lock design.
- Grease hole
- 0.5 hp motor



QC-213T

3" Heavy Duty Air Cut-Off Tool

Note: wheel is supplied with the tool

Available Dimension of inner hold : Ø 10mm

Air inlet : 1/4"

- Excellent for cutting rusted bolts, nuts, motor exhaust clamps or hangers, sheet metal, fiberglass etc.

20 pieces in one carton



3" Wheel



QC-234T

4" Air Corner Cut-Off Tool

Note: wheel is supplied with the tool

Available Dimension of inner hold : Ø 10mm Ø 16mm

Air inlet : 1/4"

6 pieces in one carton



4" Wheel

- Excellent for cutting rusted bolts, nuts, motor exhaust clamps or hangers, sheet metal, fiberglass etc.



QC-264

4" Air Corner Cut-Off Tool

Note: wheel is supplied with the tool

Available Dimension of inner hold : Ø 10mm Ø 16mm

Air inlet : 1/4"

10 pieces in one carton

- Excellent for cutting rusted bolts, nuts, motor exhaust clamps or hangers, sheet metal, fiberglass etc.



4" Wheel



QK-111T

10 pieces in one carton

Air Knife

Air inlet : 1/4"



	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-111T	20000	5.0(141)	8-3/16" (208)	2.0(0.92)	3/8"	85	3.3

	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-213T	3"(75)	22000	5.0(141)	90(6.3)	7-7/8"(200)	0.5	1.8 0.82	3/8"	85.0	3.0
QC-234T	4"(100)	15000	5.0(141)	90(6.3)	13-9/16"(345)	0.5	3.1 1.41	3/8"	85.0	2.2
QC-264	4"(100)	15000	5.0(141)	90(6.3)	9-5/32"(232)	0.5	2.4 1.1	3/8"	85.0	2.2

	Square Drive Inch	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
NE-462T	1/2"	10-65(13.5-88)	100 135	200	5.0(141)	90(6.3)	13-13/32"(340)	4.0 1.83	3/8"	85.0	2.2

	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-110	6 & 3	1/4" & 1/8"	22000	5.0(141)	90 (6.3)	7-5/16"(186)	0.5	1.36 0.62	3/8"	85.0	1.1
QA-116	6 & 3	1/4" & 1/8"	22000	5.0(141)	90 (6.3)	13-9/16"(345)	0.5	2.53 1.15	3/8"	85.0	1.8
QA-681	6 & 3	1/4" & 1/8"	20000	5.0(141)	90 (6.3)	7-11/16" (195)	0.5	1.76 0.8	3/8"	85.0	1.8

0.5HP SERIES



QP-415

Air Angle Polisher

Air inlet : 1/4"

Spindle Size : 5/16"-24

10 pieces in one carton



QE-935

**3/8" Air Straight Drill
With Key Chuck**

Air inlet : 1/4"

20 pieces in one carton



2pcs Planet Gear



QB-802T

Air Eraser

Air inlet : 1/4"

Spindle Size : 3/8"-24

20 pieces in one carton



QE-936

**3/8" Air Straight Drill
With Key Chuck**

Air inlet : 1/4"

20 pieces in one carton



QB-812T

Air Eraser

Air inlet : 1/4"

Spindle Size : 3/8"-24

20 pieces in one carton





QT-112T

Air Tyre Buffer

Air inlet : 1/4"

20 pieces in one carton



2pcs Planet Gear



QT-203T QT-303

Air Tyre Buffer / Quick change Chuck

Air inlet : 1/4"

10 pieces in one carton



2pcs Planet Gear



	Chuck Size inch(mm)	Collet Size A inch B 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
QT-112T	----	1/4" / 6	4000	5.0 (141)	90(6.3)	8-27/32"(225)	0.5	1.72 0.78	3/8"	85.0	1.2
QT-203T	Hex.7/16"(11.1)	----	4000	5.0 (141)	90(6.3)	8-27/32"(225)	0.5	1.98 0.90	3/8"	85.0	1.6
QT-303	Hex.7/16"(11.1)	----	22000	5.0 (141)	90(6.3)	8-9/16"(217)	0.5	1.74 0.79	3/8"	85.0	1.6

	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-802T	4000	5.0 (141)	90(6.3)	8-5/32"(212)	0.5	3.08 1.40	3/8"	85.0	1.2
QB-812T	4000	5.0 (141)	90(6.3)	8-15/32"(215)	0.5	1.67 0.76	3/8"	85.0	1.2

	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-634	3/8"(10)	1900	0.5	5.0(141)	90(6.3)	8-1/4"(211)	2.35 1.07	3/8"	85.0	1.1
QE-935	3/8"(10)	4000	0.5	5.0(141)	90(6.3)	9"(230)	1.89 0.86	3/8"	85.0	1.6
QE-936	3/8"(10)	22000	0.5	5.0(141)	90(6.3)	8-9/16"(218)	1.62 0.74	3/8"	85.0	1.2

	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
QP-415	5"(127)	2500	5.0(141)	90(6.3)	8-11/32"(211)	0.5	2.5 1.14	3/8"	85.0	1.1

AUTO REPAIR TOOL



**AUTO
REPAIR TOOL**



NC-0208[SET]

1/4" Drive Air Impact Wrench 8 PCS

Twin Dog Type

Air inlet : 1/4"

10 pieces in one carton

- 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



NC-2710



	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-2710	1/4"	M8	7.4-29.5 (10-40)	29	40	11000	5.3(150)	90 (6.3)	5-3/8" (163)	1.76	0.8	3/8"	91.0	3.4



QB-0618[SET]

90° Mini Sander Polisher 18 pcs SET

Air inlet : 1/4"












CONTENTS:

- | | |
|-------------------|------------------|
| QB-625 (1pcs) | 3"#80-YL (1pcs) |
| Disc 2"PAD (1pcs) | 3"#150-RD (2pcs) |
| Disc 3"PAD (1pcs) | 3"#300-BL (2pcs) |
| Removal Sandering | 3"Stripping Dis |
| 2"#80-YL (1pcs) | Adaptor |
| 2"#150-RD (2pcs) | Spanner |
| 2"#300-BL (2pcs) | Oil |
| 2"Stripping Disc | |



QB-625



	Pad Dia / Arbor Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure	Vibration Level
	inch	R.P.M	CFM	PSI (bar)	Inch (mm)	HP	LBS(kg)	Inch	dBA	m/s²
							 			
QB-625	2" / 3"	15000	17.2	90(6.3)	7-1/8"(180)	0.6	0.611.3	3/8"	75	2.5

AUTO REPAIR TOOL



NC-2210N[SET]

1/4" Drive Air Impact Wrench
Twin Dog Type Air inlet : 1/4"

1 carton / 5 set

20 pieces in one carton

Contents:

- + 1 pc D.R1/4" Impact Socket 8 mm
 - + 1 pc D.R1/4" Impact Socket 9 mm
 - + 1 pc D.R1/4" Impact Socket 10 mm
 - + 1 pc D.R1/4" Impact Socket 11 mm
 - + 1 pc D.R1/4" Impact Socket 12 mm
 - + 1 pc D.R1/4" Extension Bar (L:50mm)
 - + 1 pc D.R1/4" Extension Bar (L:125mm)
- + 1 pc D.R1/4" Universal Joint
 - + 1 pc 1/4" Plug
 - + 1 pc Air Impact Wrench



NC-2210



	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-2210	1/4"	M5	4-45(6-61)	50 67.8	11000	1.8(51)	90(6.3)	6-17/32"(166)	1.4 0.65	3/8"	77.0	1.8



QA-651N [SET]

Air Die Grinder
Air inlet : 1/4"

Contents:

- + 1 pc Air Die Grinder
- + 1 pc Collet : 3mm (or1/8")
- + 5 pcs Grinder Stones 3mm
- + 5 pcs Grinder Stones 6mm
- + 1 pc 1/4"Plug
- + 1 pc Oil Box
- + 2 pcs Spanner Wrench

1 carton / 5 set

20 pieces in one carton



QA-651



	Collet Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Hose Length	Net Weight	Air Hose	Sound Pressure	Vibration Level	Motor
	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	mm	LBS(kg)	Inch	dBA	m/s²	HP
QA-651	1/4" (6)	18000	2.7(76)	90(6.3)	5" (127)	----	1.10 0.5	3/8"	74.0	0.3	0.3



QP-212N[SET]

Air High Speed Sander

Air inlet : 1/4"

Contents:

- + 1 pc Air High Speed Sander
- + 1 pc 2"Rubber PAD(1/4"-20)
- + 1 pc 2" Pad Die#80
- + 1 pc 2"Stripping Disc #80-YL(Coarse)
- + 1 pc 2" Stripping Disc #150-RD(Med)
- + 1 pc 3" Rubber PAD(1/4"-20)
- + 1 pc 3" Pad Die#80
- + 1 pc 3"Stripping Disc #80-YL(Coarse)
- + 1 pc 3" Stripping Disc #150-RD(Med)
- + 1 pc 1/4"Plug
- + 1 pc Oil Box
- + 1 pc Spanner Wrench



QP-212

1 carton / 5 set

20 pieces in one carton



QP-213N[SET]

Air Orbit Sander

Air inlet : 1/4"

Contents:

- + 1 pc Air Sander
- + 1 pc 2"PAD(5/16"-24)
- + 1 pc 3"PAD (5/16"-24)
- + 10 pcs 2"Sandpaper#180
- + 10 pcs 2"Sandpaper#220
- + 10 pcs 2"Sandpaper#320
- + 10 pcs 3"Sandpaper#180
- + 10 pcs 3"Sandpaper#220
- + 10 pcs 3"Sandpaper#320
- + 1 pc 1/4"Plug
- + 1 pc Oil Box
- + 2 pcs Spanner Wrench



QP-213

1 carton / 5 set

20 pieces in one carton



	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure	Vibration Level	Spindle Size
	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	HP	LBS(kg)	Inch	dBA	m/s ²	
QP-212	2" or 3"	18000	2.1(59)	90(6.3)	4-1/4"(107)	0.3	1.1 0.50	3/8"	73.0	0.9	1/4"-20
QP-213	3"(76)	18000	2.1(59)	90(6.3)	4-5/8"(117)	0.3	1.1 0.50	3/8"	76.0	1.2	5/16"-24

AUTO REPAIR TOOL



QP-223N[SET]

Air Mini Polisher
Air inlet : 1/4"

- Contents:**
- + 1 pc Air Mini Polisher
 - + 1 pc 2"PAD(5/16"-24)
 - + 1 pc 3"PAD (5/16"-24)
 - + 1 pc 1/4"Plug
 - + 1 pc Oil Box
 - + 2 pcs Spanner Wrench

1 carton / 5 set

20 pieces in one carton



QP-223



	Pad Dia	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight	Air Hose	Sound Pressure	Vibration Level	Spindle Size
	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	HP	LBS(kg)	Inch	dBA	m/s²	
QP-223	3"(76)	5500	2.2(62)	90(6.3)	5-1/8"(130)	0.3	1.3 0.50	3/8"	74.0	0.9	5/16"-24



QE-323N [SET]

1/4" Air Reversible Drill
Air inlet : 1/4"

- Contents:**
- + 1 pc 3.5mm Drill Bits
 - + 1 pc 4.0mm Drill Bits
 - + 1 pc 4.5mm Drill Bits
 - + 1 pc 5.0mm Drill Bits
 - + 1 pc 5.5mm Drill Bits
 - + 1 pc Key Wrench
 - + 1 pc 1/4"Plug
 - + 1 pc Oil Box
 - + 1 pc Air Reversible Drill

1 carton / 5 set

20 pieces in one carton



QE-323



	Chuck Size	Free Speed	Motor	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration Level
	inch/mm	R.P.M	hp	CFM (L/min)	PSI (bar)	Inch (mm)	LBS kg	Inch	dBA	m/s²
QE-323	1/4" (6.35)	1600	0.38	1.9(113)	90(6.3)	6-15/32"(164)	2.5 0.78	3/8"	74.0	1.2



RA-505N [SET]

Air Screwdriver Twin Dog Type
Screw Capacity : M5
Air inlet : 1/4"

Contents:

- + 1 pcs Air Screwdriver
- + 2 pcs Bits FD(L:50mm)
- + 2 pcs Bits PH2(L:65mm)
- + 1 pcs Bits PH2(L:100mm)
- + 1 pc 1/4" Plug
- + 1 pc Oil Box

1 carton / 5 set

20 pieces in one carton



RA-505



	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-505	1/4"(6.35)	5-45 (6-61)	11000	1.8 (51)	90(6.3)	6-5/16"(161)	1.54	0.7	3/8"	74.0	3.3



QM-1125

Pneumatic CV Joint Boots Fitting Tool

10 pieces in one carton



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



QT-102

Air Tyre Buffer

Air inlet : 1/4"

10 pieces in one carton



QT-203

QT-113

Air Tyre Buffer / Quick Change Chuck

Air inlet : 1/4"

10 pieces in one carton



	Chuck Size	Collet Size	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Motor	Net Weight		Air Hose	Sound Pressure	Vibration Level
	inch(mm)	inch(mm)	R.P.M	CFM (L/min)	PSI (bar)	Inch (mm)	hp	LBS	kg	Inch	dBA	m/s ²
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
QT-113	Hex.7/16"(11.1)	----	2500	10.6 (300)	90(6.3)	9-3/4"(250)	0.5	1.76	0.80	3/8"	75.0	0.87

AUTO REPAIR TOOL



QB-0808

Air surface-cleaning tool

Air inlet : 1/4"

- Air Surface-Cleaning Tool:1pc(QB-802)
- Eraser Wheel:1pc
- Stripping Wheel :1pc
- Wire Wheel(Coarse):1pc
- Wire Wheel:1pcs
- Allen Key 6mm:1pc
- Spanner Wrench:1pc
- 1/4" Plug:1pc
- Adapter Male UNF 5/16"-24
- Female M6×1.0:1pc

5 pieces in one carton



SK-1131

Air Caulking Gun



SB-201

Digital Tyre Inflator

Air inlet : 1/4"

20 pieces in one carton



QB-812

Air Eraser Air inlet : 1/4"



QB-802

Air surface-cleaning tool

Air inlet : 1/4"

5 pieces in one carton



SK-1010

Air Caulking Gun



SB-215

Tyre Inflator

Air inlet : 1/4"

20 pieces in one carton



SB-304

Digital Tyre Inflator
Air inlet : 1/4"

20 pieces in one carton



SB-422

Tyre Inflator
Air inlet : 1/4"

20 pieces in one carton



SB-423

Tyre Inflator
Air inlet : 1/4"

12 pieces in one carton



SB-501

Tyre Inflator
Air inlet : 1/4"

12 pieces in one carton



SE-1025

Flexible LED Light

- + Rechargeable working light 1pc
- + AC 100~240V ADAPTOR*1pc
- + High strength magnet



SE-1101

LED Work Lamp
USB Charging available



	Avg. Air Consumption CFM (L/min)	Air Pressure PSI (bar)	Overall Length Inch (mm)	Net Weight LBS kg	Air Hose Inch
SK-1010	4.0(113)	50~70(3.4~4.8)	12" (305)	2.43 1.1	3/8"
SK-1131	4.0(113)	60~90(4.1~6.2)	24-7/16" (620)	2.66 1.21	3/8"

	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-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

	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)	0.88 0.40	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

AUTO REPAIR TOOL

NEW WG-202N [SET]

Air Suction & Blow Gun Kit Air inlet : 1/4"

- + Use for cleaning or to suction dust, wood chips, metal shavings, glass, etc.
- + This 2 in 1 tool can be used either as air blow gun, or as a air vacuum gun.
- + Ergonomically designed for user's comfort.

Contents:

- 1 pc Extension Tube
- 1 pc Small Diameter Vacuum Tube
- 1 pc Flat Tube
- 1 pc Brush
- 1 pc Flexible tube
- 1 pc Deflector
- 1 pc Clamping Ring
- 1 pc Dust Bag



SQ-0217

Air Powered Brake Caliper Wind Back Tool-Set 17pcs

- Air Powered Brake Caliper Wind Back Tool : 1pc
- Disk : 16pcs

Not available in north America



NEW WG-202

Air Suction & Blow Gun Kit
Air inlet : 1/4"



SR-1101

Air Brush

- Air Brush
- Cup
- Mix Bottle
- Air Hose
- Pipette
- Air Adaptor
- Spanner
- Glass Bottle



SC-005

Ball Joint & Tie-Rod Splitter SET
CONTENTS

- AIR HAMMER ADAPTER
- 1-1/8"(28.57mm) PITMAN ARM
- STRIKING HANDLE
- 11/16"(17.46mm) TIE ROD
- 15/16"(23.81mm) BALL JOINT

10 pieces in one carton



SM-0901

Manual &
Pneumatic Fluid Extractor



SM-0902

Pneumatic Fluid Extractor



SM-0903

Manual Fluid Extractor



SM-0911



SM-0502

Pneumatic Brake Extractor &
Refilled KIT



	Air Pressure	Net Weight		Capacity
	PSI	LB	KG	L
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-0911	70 - 170	6.80	3.1	9.5
SM-0502	70 - 170	5.50	2.5	2.0

	Air Hose	Air Pressure	Avg. Air Consumption	Overall Length	Net Weight		Sound Level	Vacuum Level
	inch	PSI(bar)	CFM(L/min)	inch(mm)	LBS	Kg	dBA	m/s²
WG-202	3/8"	90	3.36	5.7"(145)	1.32	0.6	7.5	92.0

AUTO REPAIR TOOL



SX-3101

Sandblasting Gun

NEW



SX-3102

Sandblasting Gun

NEW



SX-3103

Sandblasting Gun

NEW



SX-3111

Underseal Gun

NEW



SX-3112

Underseal Gun

NEW



	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
		No				 		
SX-3101	1.0	-----	4.3 (121.8)	90(6.3)	11" (280)	1.26 0.57	3/8"	85.0
SX-3102	0.7	-----	4.0 (56.6)	90(6.3)	10-1/8" (260)	0.77 0.35	3/8"	85.0
SX-3103	-----	-----	3.5 (56.6)	90(6.3)	122" (3100)	2.31 10.5	3/8"	80.0
SX-3111	1.0	-----	3.0 (84.9)	90(6.3)	10-1/8" (260)	0.97 0.44	3/8"	85.0
SX-3112	----	-----	3.0 (56.6)	90(6.3)	10-1/8" (260)	0.48 0.22	3/8"	85.0



SX-2101

Twister Gun

Not available in north America



SX-1615

Air Cleaning Gun

NEW



SX-3201

Underseal Gun

NEW



SX-3202

Solvent / Cleaner Spray Gun

NEW



SX-3203

1L Cleaning Gun

NEW



	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
SX-1615	1.0	-----	2.0 (56.6)	90(6.3)	11-7/16" (290)	0.9 0.4	3/8"	85.0
SX-3201	1.8	-----	3.6 (101.9)	90(6.3)	15-13/16" (400)	2.16 0.98	3/8"	65.0
SX-3202	1.0	-----	1.0 (56.6)	90(6.3)	20-13/16" (530)	1.04 0.47	3/8"	65.0
SX-3203	1.0	-----	1.0 (28.3)	90(6.3)	18-1/2" (290)	1.17 0.53	3/8"	65.0

FILTER, REGULATOR, LUBRICATOR

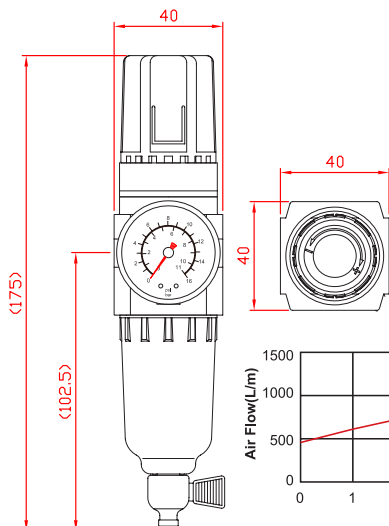


**FILTER,
REGULATOR,
LUBRICATOR**

SV-1240

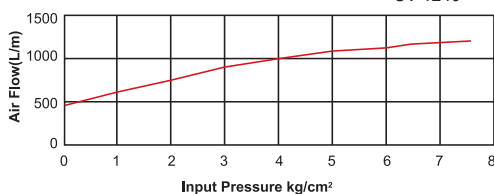
FILTER,REGULATOR,LUBRICATOR

Air inlet : 1/4"



SV-2220 Air Flow Chart

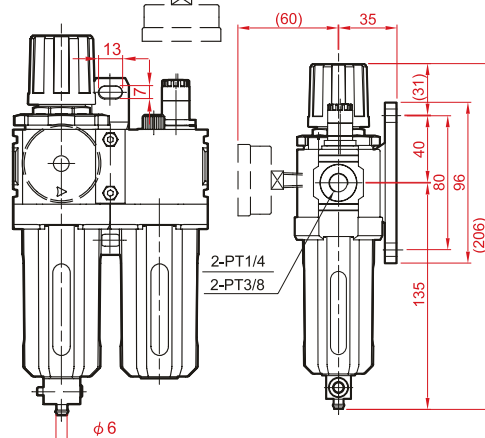
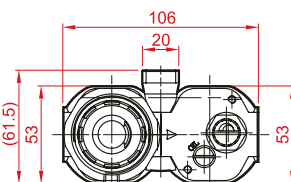
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SV-2230/2330

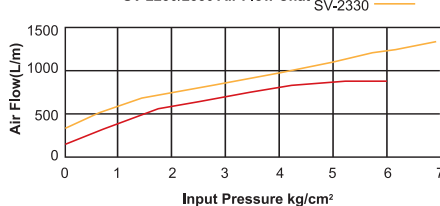
FILTER,REGULATOR,LUBRICATOR

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



SV-2230/2330 Air Flow Chart

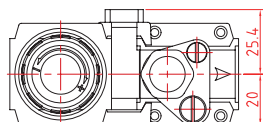
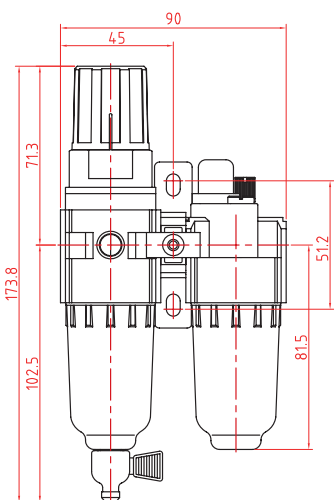
SV-2230
SV-2330



SV-2220

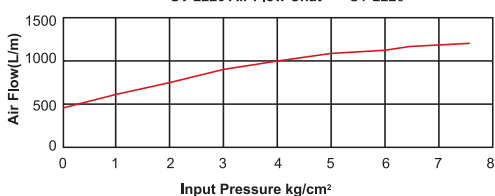
FILTER,REGULATOR,LUBRICATOR

Air inlet : 1/4"



SV-2220 Air Flow Chart

SV-2220



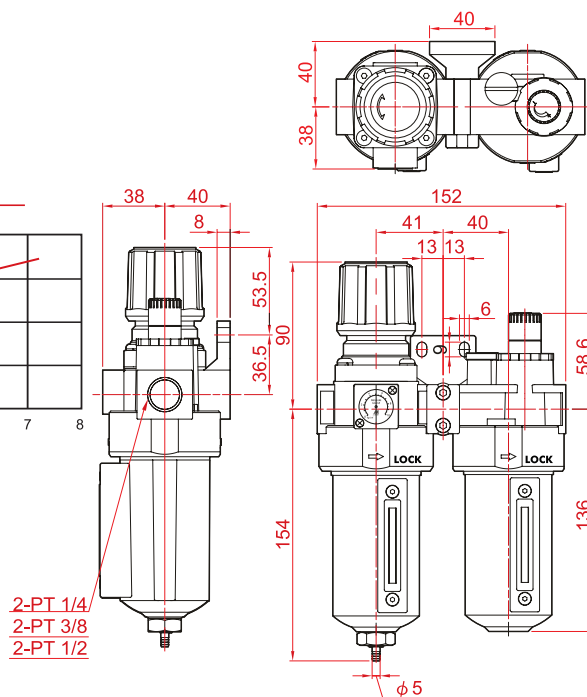
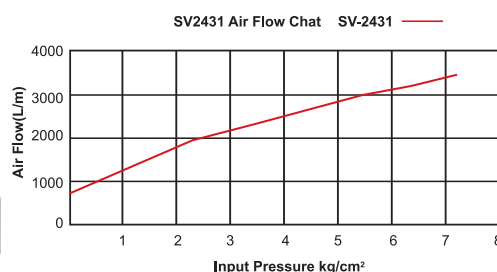
	Air in / outlet inch	Max Input Pressure PSI	Max Output Pressure PSI	Max.Flow L/min	Working Temperature °C	Drain Capacity ml	Oil Capacity ml	Filter Element μ (micro)
	—	—	—	—	Working	—	—	
SV-1240	1/4"	150	145	1100	5~60°	15	----	5μ
SV-2230	1/4"	215	70-140	1100	5~60°	30	55	5μ
SV-2330	3/8"	215	70-140	1100	5~60°	30	55	5μ
SV-2220	1/4"	150	70-140	1100	5~60°	15	30	5μ

FILTER, REGULATOR LUBRICATOR

SV-2431

FILTER,REGULATOR,LUBRICATOR

Air inlet : 1/2"



SV-1260

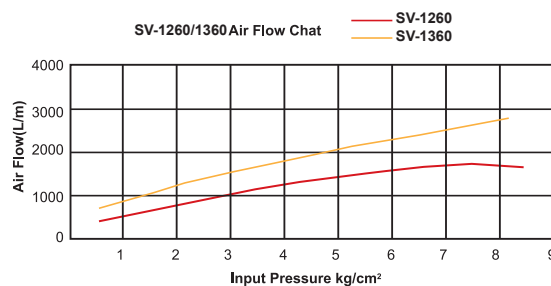
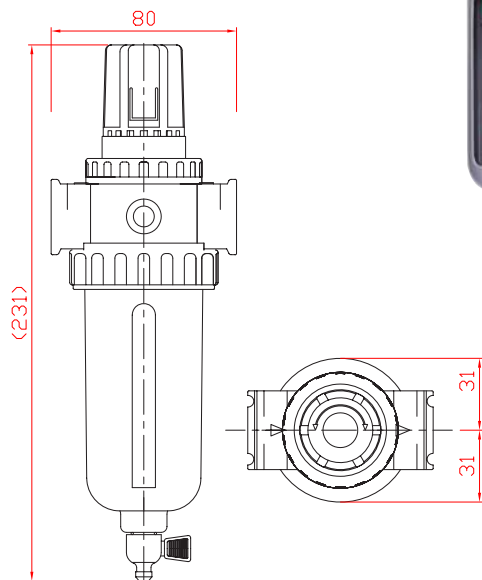
FILTER,REGULATOR,LUBRICATOR

Air inlet : 1/4"

SV-1360

FILTER,REGULATOR,LUBRICATOR

Air inlet : 3/8"



SV-2260 /2280

FILTER,REGULATOR,LUBRICATOR

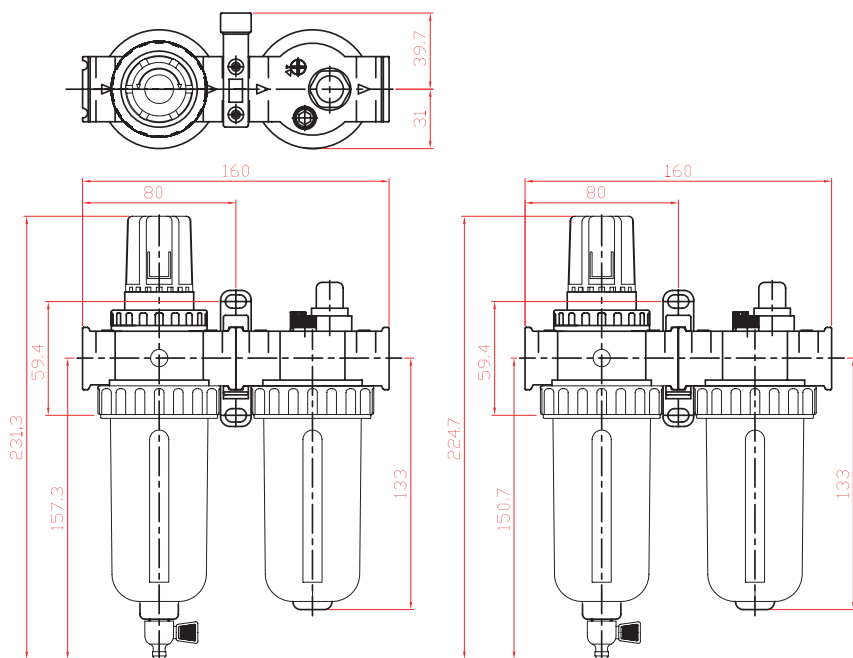
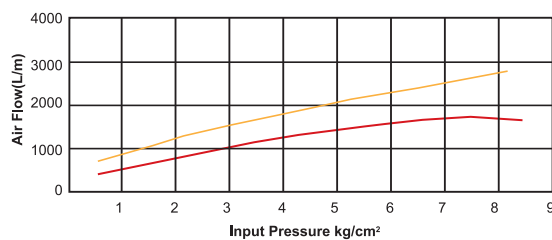
Air inlet : 1/4"


SV-2360 /2380

FILTER,REGULATOR,LUBRICATOR

Air inlet : 3/8"

SV-2260/2280 Air Flow Chart



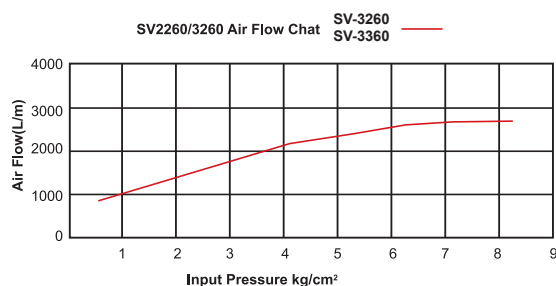
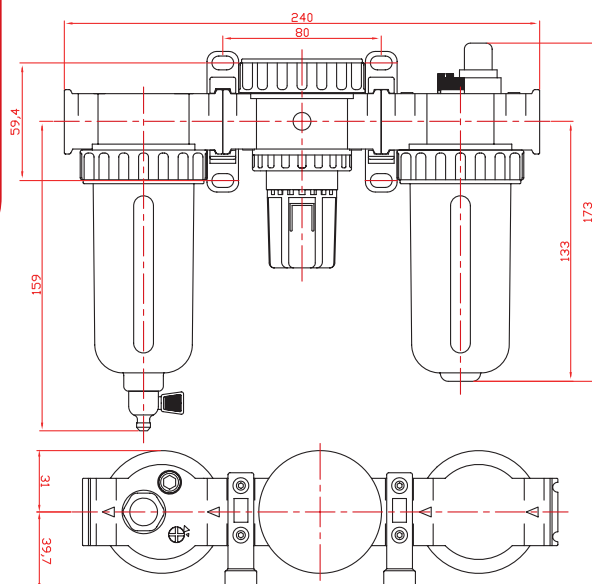
	Air in / outlet inch	Max Input Pressure PSI	Max Output Pressure PSI	Max.Flow L/min	Working Temperature °C	Drain Capacity ml	Oil Capacity ml	Filter Element μ (micro)
	—	—	—	—	Working	—	—	
SV-1260	1/4"	215	145	1750	5~60°	80	-----	5μ
SV-1360	3/8"	215	145	2500	5~60°	80	-----	5μ
SV-2431	1/2"	285	70-140	1100	5~60°	80	200	5μ
SV-2260/2360	1/4" / 3/8"	215	70-150	1750 / 2500	5~60°	80	150	5μ
SV-2280/2380	1/4" / 3/8"	250	70-140	1750 / 2500	5~60°	80	150	5μ

FILTER, REGULATOR LUBRICATOR

SV-3260 / 3360

FILTER,REGULATOR,LUBRICATOR

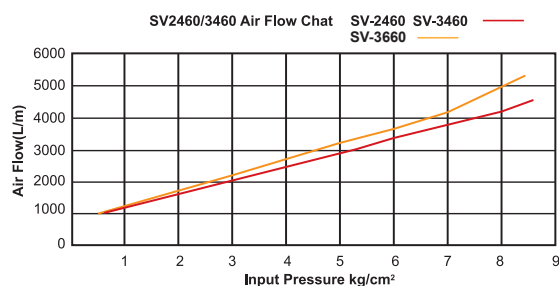
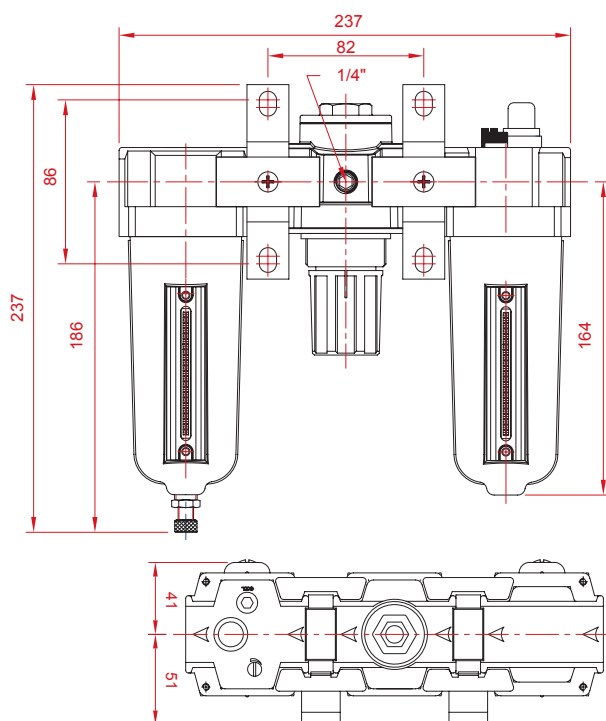
Air inlet : 1/4" , 3/8"



SV-3460

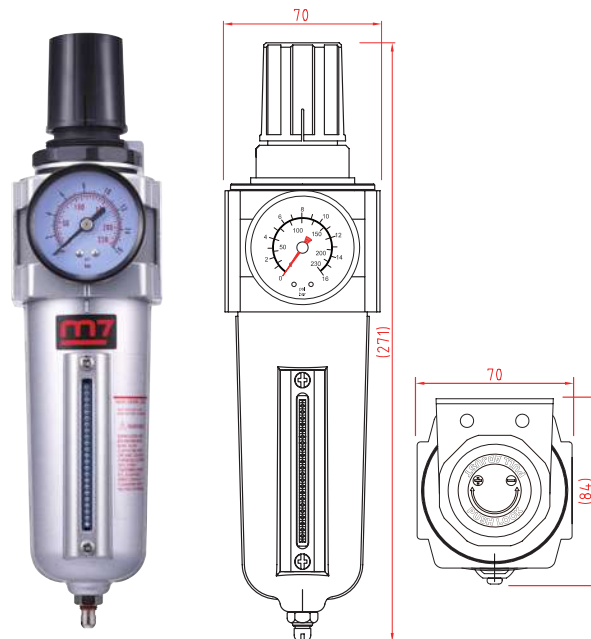
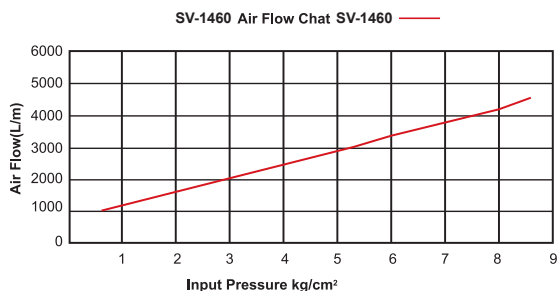
FILTER,REGULATOR,LUBRICATOR

Air inlet : 1/2"



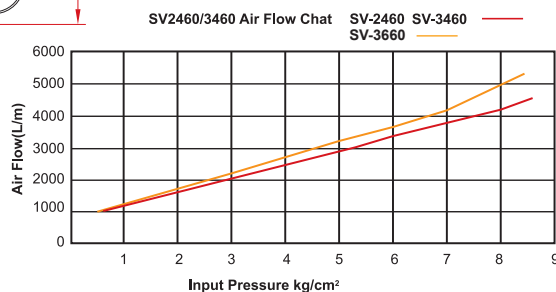
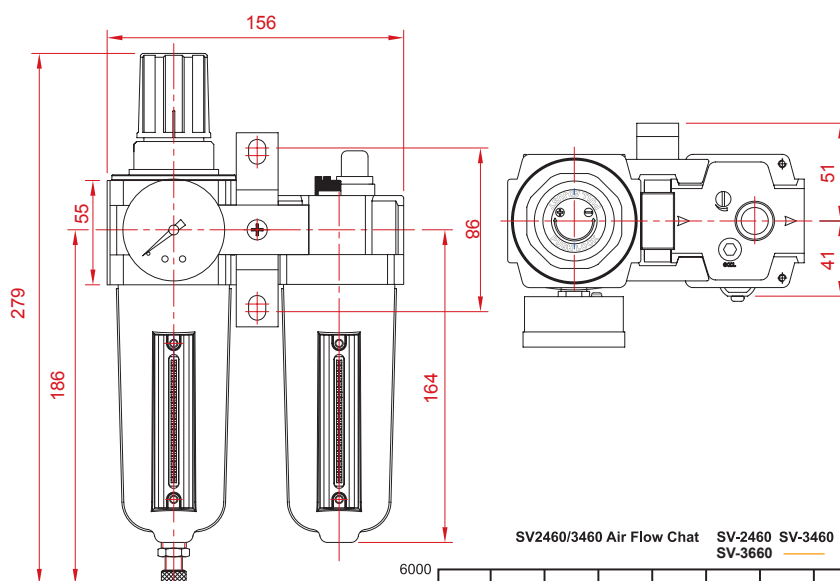
SV-1460

FILTER,REGULATOR,LUBRICATOR
Air inlet : 1/2"



SV-2460

FILTER,REGULATOR,LUBRICATOR
Air inlet : 1/2"



	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	Filter Element μ (micro)
	—	—	—	—	Working	—	—	
SV-1460	1/2"	215	145	3000	5~60°	80	-----	5μ
SV-2460	1/2"	250	7-215	4000	5~60°	80	150	5μ
SV-3260/3360	1/4" / 3/8"	215	70-150	1750 / 2500	5~60°	80	150	5μ
SV-3460	1/2"	250	7-215	4000	5~60°	80	150	5μ

FILTER, REGULATOR LUBRICATOR

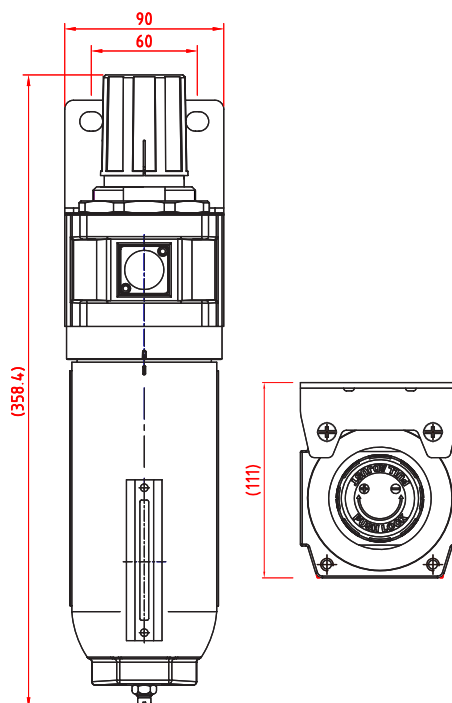
SV-1660

FILTER,REGULATOR,LUBRICATOR
Air inlet : 3/4"

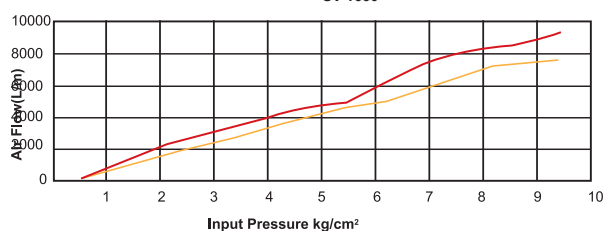


SV-1860

FILTER,REGULATOR,LUBRICATOR
Air inlet : 1"

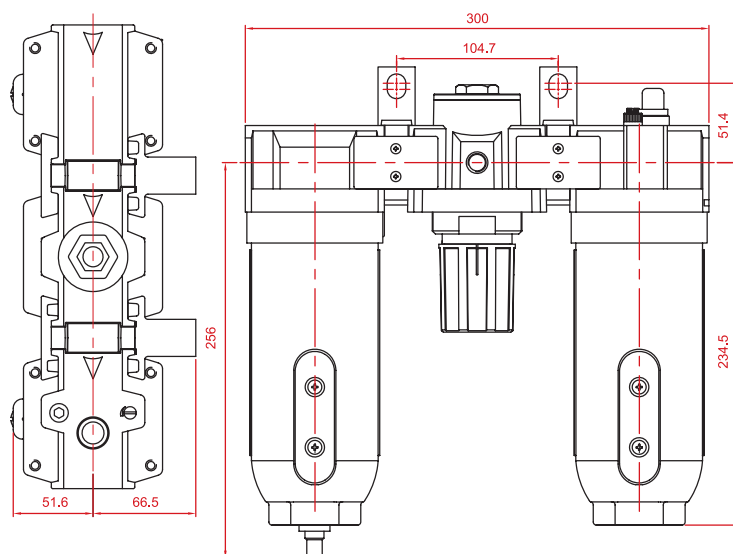


SV3660/3860 Air Flow Chart SV-1860
SV-1660

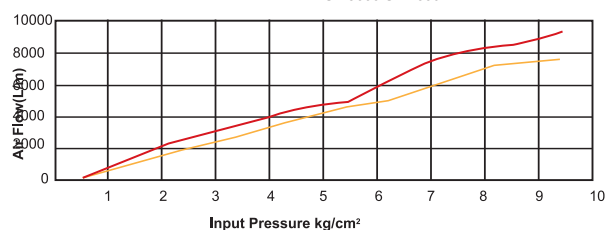


SV-3660/3860

FILTER,REGULATOR,LUBRICATOR
Air inlet : 3/4" / 1"



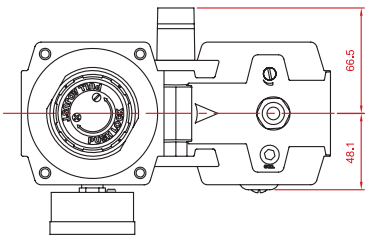
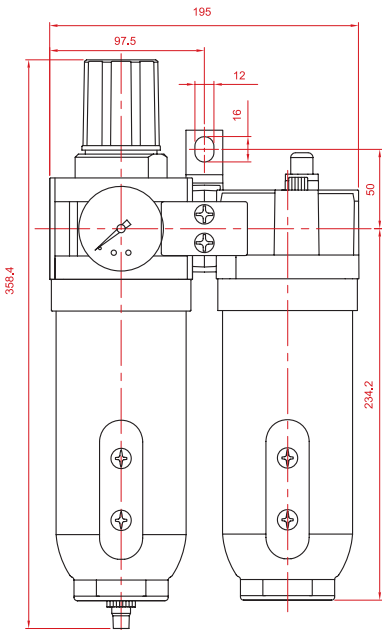
SV3660/3860 Air Flow Chart SV-3860
SV-3660 SV-2660



SV-2660/2860

FILTER,REGULATOR,LUBRICATOR

Air inlet : 3/4" / 1"




SW-12(1/4") SW-13(3/8")

Mini Lubricator

- Install in the air hose to provide automatic lubrication.
- 8c.c. Lubricating oil capacity.



	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	Filter Element μ (micro)
	—	—	—	—	Working	—	—	
SV-1660	3/4"	250	225	4600	5~60°	300	-----	5μ
SV-1860	1"	250	225	5200	5~60°	300	-----	5μ
SV-2660/2860	3/4" / 1"	250	225	4600 / 5200	5~60°	300	300	5μ
SV-3660/3860	3/4" / 1"	250	225	4600 / 5200	5~60°	300	350	5μ

HOSE REEL

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."

Case Material : Steel

Air inlet : 1/4" - Male



SA-3215 SA-3315

Air Hose Reel

Case Material : Shock-proof plastic

Air inlet : 1/4" - Male



SA-4320

Air Hose Reel

Case Material : Steel

Air inlet : 3/8" - Male



SA-4420

Air Hose Reel

Case Material : Steel

Air inlet : 1/2" - Male

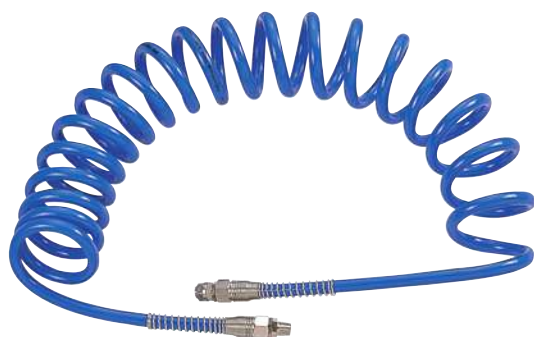


SD-23/SD-24

Polyurethane Recoil Air-Hose

- Returns automatically to the original position and keeps it out of operator's way during operation.
- Spring guards protects both ends of the hose. Both ends have male 360° swivel fittings.

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



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.



	Hose Inside Diameter mm	Hose outside Diameter mm	Hose Length M	Working Pressure PSI(bar)	Maximum Pressure PSI(bar)	Male PT Fitting inch	Weight kg
SA-2015	8.0	12.0	15	101.5 (7.0)	284.4(17.8)	1/4"	6.2
SA-3215	8.0	12.0	15	90 (6.3)	300(20.7)	1/4"	5.0
SA-3315	10.0	15.0	15	90 (6.3)	300(20.7)	1/4"	6.0
SA-4320	10.0	18.0	20	90 (6.3)	300(20.7)	3/8"	24.0
SA-4420	13.0	23.0	20	90 (6.3)	300(20.7)	1/2"	29.0
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
SD-23110	8.0	12.0	10	101.5 (7.0)	284.4(17.8)	1/4"	0.8
SD-23115	8.0	12.0	15	101.5 (7.0)	284.4(17.8)	1/4"	1.2
SD-23210	5.0	8.0	10	101.5 (7.0)	284.4(17.8)	1/4"	0.4
SD-23215	5.0	8.0	15	101.5 (7.0)	284.4(17.8)	1/4"	0.6
SD-23315	10	15.0	15	101.5 (7.0)	284.4(17.8)	3/8"	1.9
SD-24415	13	18.0	15	101.5 (7.0)	284.4(17.8)	1/2"	2.1

MOBILE CABINETS



NC-4230NE

- NC-4230 :1/2" Drive Air Impact Wrench Twin Hammer
 - NE-432 :1/2" Push Air Ratchet Wrench
 - 1/4" Air Adaptor Couplings Male Thread Type
- Mini socket set, size:13,17,19,22,24mm



QP-123QP

- Air Pistol Sander, 3" Pad Dia
- QP-113 :Air Pistol Sander, 3" Pad Dia
- QP-123 :Air Pistol Polisher, 3" Pad Dia
- 1/4" Air Adaptor Couplings Male Thread Type
- 3" Sponge (Rough) & 3" Sponge (Medium)



ST-10C521 ST-10C522S

user DIY assembled mobile working chair

- Color: red/black anti scratch paint
- Seat cushion materials: high graded artificial PVC leather with sponge
- Product sizes: long 350mm width 260mm height 240mm, excl. wheels Drawer height: 70mm
- Product feature: storage daily needed tools reduce squatting fatigue, movable willingly



ST-11B7

Cabinet With Air Hose Reel

	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	QTY
CABINET	680	460	830	
DRAWER	580	406	70	
	580	406	145	

CORDLESS TOOLS

A black and white photograph of a woman with long, straight dark hair, looking down. She is wearing a black sports bra and a plaid shirt. The Cordless Tools logo, featuring a red lightning bolt and the text 'CORDLESS TOOLS' in red, is overlaid on the lower part of the image.

**CORDLESS
TOOLS**

DW-18502 [KIT]

Cordless Impact Wrench

CONTENTS

- 2pcs 20V 5.0 Ah Lithium-ion
- 1pc Lithium-ion Battery Charger

- + Max. torque 1220 NM / 900 FT-LB
- + Quick charge-up in 50 minutes
- + 5.0 Ah battery x 2 pcs included for a longer period of usage.
- + LED lamp to light up the working area
- + Battery level LED indicator
- + Braking function not to damage the screwed object.f



DS-10202

Cordless Impact Driver

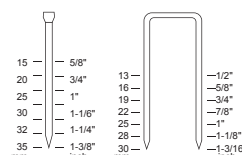
- + Max. torque 100 NM
- + Quick charge-up in 30 minutes
- + Battery x 2pcs included for a longer period of usage
- + LED lamp to light up the working area
- + Battery applicable to all m7 12V cordless models.



AJ-1835 NEW

Electric Nailer gun

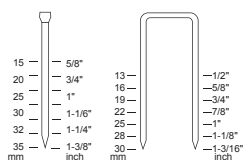
- + housing : Nylon/Glass Fiber w/soft grip
- + Trigger Switch : Two-finger w/soft padding
- + Rated Voltage : 220v-240v
- + Max Firing speed :30 shots/min



DJ-1835 NEW

Cordless Nailer gun

- + housing : Nylon/Glass Fiber w/soft grip
- + Trigger Switch : Two-finger w/soft padding
- + Rated Voltage : 110-120V / 220-240V
- + DC:18V 2.0Ah Li-ion
- + Max Firing speed :30 shots/min



	Nail Type	Crown	Shank Thickness / width	Length	Gauge	Dimensions	Load Capacity	Weight
		mm	mm	mm		(mm)(HxWxL)	(pcs)	(kg)
AJ-1835	Brad	----	1.0/1.25	15~35	18	231 x 68 x 272	100	1.9
	Staple	5.8	1.0/1.25	13~30	18			
DJ-1835	Brad	----	1.0/1.25	15~35	18	265 x 82 x 245	100	3.3
	Staple	5.8	1.0/1.25	13~30	18			

	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
DW18502	1/2" / 12.7	----	M6 ~ M24	5.0	1220	0~1900	0~2200	-----	3.2
DS10202	1/4" / 6.00	----	M4 ~ M12	2.0	100	0~2200	0~3000	-----	1.0

TORQUE WRENCH

TORQUE WRENCH



TE-442210N

1/2" Torque Wrench, 42-210Nm, Engrave Nm / ft-lb scale

Accuracy of torque +/- 4% ; Quality meets DIN ISO 6789 & ASME B107.300-2010



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

Accuracy of torque +/- 4% 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-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-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-442210N	1/2"	42-210	30.6-155	Engrave	Rotating	46.3	33	450	1.32





IMPACT SOCKET

IMPACT SOCKET

MB34012S

12PC 3/8" Drive Impact Socket Set

Contents : 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"



12 pieces in one carton

MB34013M

13PC 3/8" Drive Impact Socket Set

Contents : 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm



12 pieces in one carton

MB35012S

12PC 3/8" Drive Deep Impact Socket Set

Contents : 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"



8 pieces in one carton

MB35013M

13PC 3/8" Drive Deep Impact Socket Set

Contents : 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm



8 pieces in one carton

MB43015M

15PC 1/2" Drive Deep Impact Socket Set

Contents : 10mm 11mm 12mm 13mm 14mm 15mm 16mm 17mm 19mm 21mm 22mm 24mm 27mm 30mm 32mm



6 pieces in one carton

MB44013S

13PC 1/2" Drive Impact Socket Set

Contents : 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" 1-1/4"



6 pieces in one carton

MB44014M

14PC 1/2" Drive Impact Socket Set

Contents : 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm



8 pieces in one carton

MB45010M

10PC 1/2" Drive Deep Impact Socket Set

Contents : 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 21mm, 24mm, 27mm



6 pieces in one carton

MB64008M

14PC 3/4" Drive Impact Socket Set

Contents : 26mm, 27mm, 29mm, 30mm, 32mm, 33mm, 35mm, 36mm



4 pieces in one carton

MB45013S

13PC 1/2" Drive Deep Impact Socket Set

Contents : 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"



4 pieces in one carton

MB64008S

8PC 3/4" Drive Impact Socket Set

Contents : 1", 1-5/16", 1-1/16", 1-3/8", 1-1/8", 1-7/16", 1-1/4", 1-1/2"



4 pieces in one carton

MB45014M

14PC 1/2" Drive Deep Impact Socket Set

Contents : 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm



4 pieces in one carton

MB64008SP

8PC 3/4" Drive Impact Socket Set

Contents : 3/4", 7/8", 15/16", 1-1/16", 1-3/16", 1-1/4", 1-7/16", 1-1/2"



4 pieces in one carton

IMPACT SOCKET

MB65008S

8PC 3/4" Drive Deep Impact Socket Set

Contents : 1", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2"



2 pieces in one carton

MB65008S1

8PC 3/4" Drive Deep Impact Socket Set

Contents : 3/4", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4"



2 pieces in one carton

MB65008M

8PC 3/4" Drive Deep Impact Socket Set

Contents : 26mm, 27mm, 29mm, 30mm, 32mm, 33mm, 35mm, 36mm



4 pieces in one carton

MB44008S

8pcs 1/2" Drive SAE Impact Hex Driver SET (Length 78mm)

Contents : 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"



12 pieces in one carton

MB44008M

1/2" Drive 1/2" Drive SAE Impact Hex Driver SET

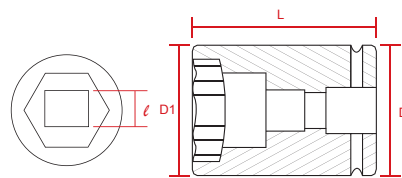
Contents : H6, H7, H8, H10, H12, H14, H17, H19



12 pieces in one carton

MA8050

5 pcs 1" Dr. Combination Budd Wheel Impact Socket SET



M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm	g	
MA812S4826	1-1/2"	57	57	13/16"	99	1.34	1/1
MA812M3517	35	52	54	17	94	1.10	1/1
MA812M3820	38	54	56	20	96	1.18	1/1
MA812M4121	41	54	58	21	99	1.19	1/1
MA831M33L	33	52	52		90	1.01	1/1
MA8050	---	---	---	---	---	6.20	1/4

MA4030

3 PCS 1/2" DR. Deep Impact Socket Set

- Contents : 17mm, 19mm, 21mm By identifying the different color coated, the operator can easily pick up the size needed.
- With the external sheath, the working object can be well protected from being rubbed, scratched, impacted...etc.
- With the 85mm extra long socket, to loosen or tighten bolt or nut in deeper hole become easier and convenient.

Note: Impact socket for aluminum rim wheel nuts, with polymeric material insets.



MA42015

15pcs 1/2" Driver Stubby Metric Size impact Socket SET



M7 NO.		D1	D2	T	L		
	mm	mm	mm	mm	mm	g	
MA401M10	10	18	25	5	28	50	15/10
MA401M11	11	18	25	5	28	50	15/10
MA401M12	12	19	25	5	28	50	15/10
MA401M13	13	20	25	5	28	52	15/10
MA401M14	14	22	25	5	28	53	15/10
MA401M15	15	23	25	5	28	55	15/10
MA401M16	16	25	25	8	28	62	15/10
MA401M17	17	26	26	8	28	67	15/10

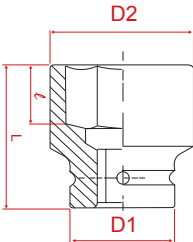
M7 NO.		D1	D2	T	L		
	mm	mm	mm	mm	mm	g	
MA401M18	18	28	28	8	28	82	15/10
MA401M19	19	28	28	9	28	75	15/10
MA401M20	20	30	30	9	28	90	15/10
MA401M21	21	30	30	9	28	86	15/10
MA401M22	22	32	30	9	28	94	15/10
MA401M23	23	34	30	9	28	102	15/10
MA401M24	24	34	30	9	28	98	15/10

IMPACT SOCKET

1/4"MA211M

Impact Standard Socket

- 1/4" drive standard Length
- 6 points
- Metric size

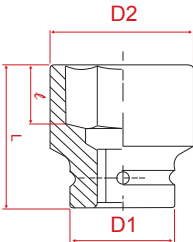


M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA211M04	4	13.0	7.5	5	23	16	10
MA211M05	5	13.0	8.7	6	23	16	10
MA211M06	6	13.0	9.9	8	23	15	10
MA211M07	7	13.0	11.1	8	23	14	10
MA211M08	8	13.0	12.3	8	23	14	10
MA211M09	9	13.0	13.8	8	23	14	10
MA211M10	10	13.0	14.5	8	23	15	10
MA211M11	11	13.0	16.0	8	23	17	10
MA211M12	12	13.0	17.0	8	23	17	10
MA211M13	13	13.0	18.8	8	23	20	10
MA211M14	14	13.0	20.0	8	23	21	10

1/4"MA211S

Impact Standard Socket

- 1/4" drive standard Length
- 6 points
- Inch size

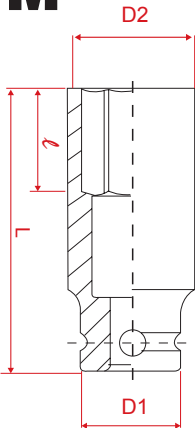


M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm	g	
MA211S06	3/16"	13.0	8.4	6	23	15	10
MA211S07	7/32"	13.0	9.4	6	23	16	10
MA211S08	1/4"	13.0	10.3	8	23	15	10
MA211S09	9/32"	13.0	11.3	8	23	15	10
MA211S10	5/16"	13.0	12.3	8	23	14	10
MA211S11	11/32"	13.0	13.8	8	23	14	10
MA211S12	3/8"	13.0	14.5	8	23	15	10
MA211S14	7/16"	13.0	16.0	8	23	16	10
MA211S16	1/2"	13.0	18.8	8	23	19	10
MA211S18	9/16"	13.0	19.8	8	23	21	10

1/4"MA231M

Impact Deep Socket

- 1/4" drive Deep Length
- 6 points
- Metric size

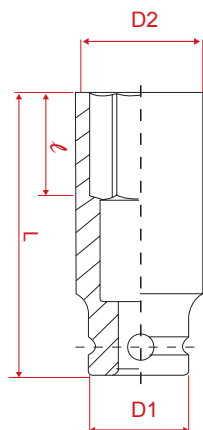





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA231M04	4	13.0	7.5	7	50	28	10
MA231M05	5	13.0	8.7	9	50	29	10
MA231M06	6	13.0	9.9	11	50	31	10
MA231M07	7	13.0	11.1	11	50	31	10
MA231M08	8	13.0	12.3	13	50	31	10
MA231M09	9	13.0	13.8	13	50	37	10
MA231M10	10	13.0	14.5	13	50	37	10
MA231M11	11	13.0	16.0	13	50	41	10
MA231M12	12	13.0	17.0	13	50	43	10
MA231M13	13	13.0	18.8	13	50	58	10
MA231M14	14	13.0	20.0	13	50	60	10

1/4"MA231S

Impact Deep Socket

- 1/4" drive Deep Length
- 6 points
- Inch size

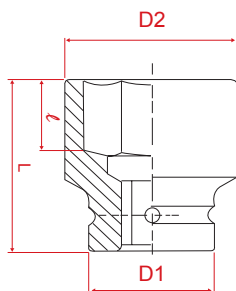





M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm	g	
MA231S06L	3/16"	13.0	8.4	9	50	29	10
MA231S07L	7/32"	13.0	9.4	9	50	30	10
MA231S08L	1/4"	13.0	10.3	11	50	31	10
MA231S09L	9/32"	13.0	11.3	11	50	32	10
MA231S10L	5/16"	13.0	12.3	13	50	32	10
MA231S11L	11/32"	13.0	13.8	13	50	37	10
MA231S12L	3/8"	13.0	14.5	13	50	41	10
MA231S14L	7/16"	13.0	16.0	13	50	41	10
MA231S16L	1/2"	13.0	18.8	13	50	56	10
MA231S18L	9/16"	13.0	19.8	13	50	61	10

3/8"MA311M

Impact Standard Socket

- 3/8" drive standard Length
- 6 points
- Metric size

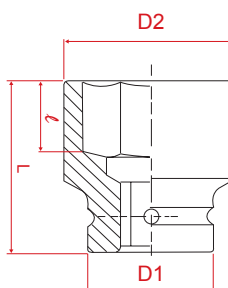





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA311M06	6	19.0	10.0	9	29.5	31	10
MA311M07	7	19.0	11.4	9	29.5	31	10
MA311M08	8	19.0	12.7	9	29.5	31	10
MA311M09	9	19.0	14.0	10	29.5	33	10
MA311M10	10	19.0	15.2	10	29.5	33	10
MA311M11	11	19.0	17.0	11	29.5	34	10
MA311M12	12	19.0	18.0	11	29.5	35	10
MA311M13	13	19.0	19.0	11	29.5	36	10
MA311M14	14	19.0	20.0	11	29.5	37	10
MA311M15	15	19.0	21.9	13	29.5	42	10
MA311M16	16	22.0	23.5	13	30.0	57	10
MA311M17	17	22.0	25.0	13	30.0	59	10
MA311M18	18	22.0	26.0	13	30.0	61	10
MA311M19	19	22.0	27.0	15	30.0	63	10
MA311M20	20	22.0	28.0	15	30.0	79	10
MA311M21	21	22.0	30.0	15	30.0	79	10
MA311M22	22	22.0	32.0	15	30.0	98	10
MA311M23	23	22.0	33.0	15	30.0	98	10
MA311M24	24	22.0	34.0	15	30.0	98	10

3/8"MA311S

Impact Standard Socket

- 3/8" drive standard Length
- 6 points
- Inch size

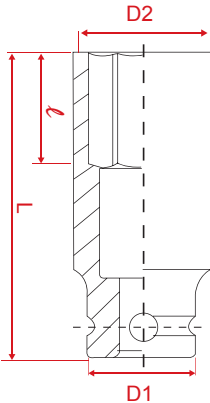


M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm	g	
MA311S10	5/16"	19.0	12.6	9.0	29.5	31	10
MA311S12	3/8"	19.0	14.6	10.0	29.5	33	10
MA311S14	7/16"	19.0	17.1	11.0	29.5	33	10
MA311S16	1/2"	19.0	19.0	11.0	29.5	37	10
MA311S18	9/16"	19.0	20.0	11.0	29.5	39	10
MA311S20	5/8"	22.0	23.5	13.0	30.0	54	10
MA311S22	11/16"	22.0	25.0	13.0	30.0	56	10
MA311S24	3/4"	22.0	27.0	15.0	30.0	63	10
MA311S26	3/16"	22.0	30.0	15.0	30.0	79	10
MA311S28	7/8"	22.0	32.0	15.0	30.0	87	10
MA311S30	15/16"	22.0	34.0	15.0	30.0	98	10
MA311S32	1"	22.0	36.0	15.0	30.0	100	10

IMPACT SOCKET

3/8"MA331M

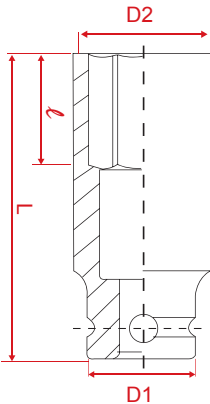
- Impact Deep Socket
- 3/8" drive Deep Length
 - Metric size
 - 6 points



M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm		g
MA331M06	6	19.0	10.1	14	63	73	10
MA331M07	7	19.0	11.4	14	63	73	10
MA331M08	8	19.0	12.7	14	63	73	10
MA331M09	9	19.0	14.0	14	63	75	10
MA331M10	10	19.0	15.2	20	63	76	10
MA331M11	11	19.0	17.0	20	63	81	10
MA331M12	12	19.0	18.0	22	63	78	10
MA331M13	13	19.0	19.0	24	63	86	10
MA331M14	14	19.0	20.0	26	63	93	10
MA331M15	15	19.0	22.2	27	63	102	10
MA331M16	16	22.0	23.5	26	63	115	10
MA331M17	17	22.0	25.0	26	63	127	10
MA331M18	18	22.0	26.0	26	63	137	10
MA331M19	19	22.0	27.0	26	63	143	10
MA331M20	20	22.0	28.0	26	63	143	10
MA331M21	21	22.0	30.0	26	63	194	10
MA331M22	22	22.0	32.0	26	63	206	10
MA331M23	23	22.0	33.0	26	63	206	10

3/8"MA331S

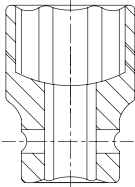
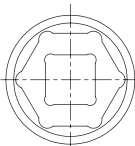
- Impact Deep Socket
- 3/8" drive Deep Length
 - Inch size
 - 6 points



M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm		g
MA331S10	5/16"	19.0	12.6	14	63	73	10
MA331S12	3/8"	19.0	14.6	20	63	76	10
MA331S14	7/16"	19.0	17.1	20	63	81	10
MA331S16	1/2"	19.0	19.0	24	63	83	10
MA331S18	9/16"	19.0	20.0	26	63	87	10
MA331S20	5/8"	22.0	23.5	26	63	111	10
MA331S22	11/16"	22.0	25.0	26	63	125	10
MA331S24	3/4"	22.0	27.0	26	63	142	10
MA331S26	13/16"	22.0	30.0	26	63	178	10
MA331S28	7/8"	22.0	32.0	26	63	188	10
MA331S30	15/16"	22.0	34.0	26	63	232	10
MA331S32	1"	22.0	36.0	26	63	249	10

MA42006M

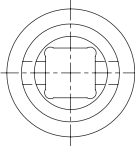
1/2"Duive Stubby Metric Size impact Socket SET



M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm		g
MA401M13	13	20	25	5	28	54	6/40
MA401M17	17	26	26	8	28	70	6/40
MA401M19	19	28	28	9	28	80	6/40
MA401M21	21	30	30	9	28	90	6/40
MA401M22	22	32	30	9	28	100	6/40
MA401M24	34	34	30	9	28	110	6/40

MA42006S

1/2"Duive Stubby Inch Size impact Socket SET

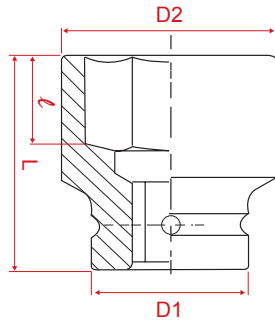





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm		g
MA401S16	1/2"	20	25	5	28	54	6/40
MA401S18	9/16"	22	25	5	28	70	6/40
MA401S20	5/8"	25	25	8	28	80	6/40
MA401S22	11/16"	26	25	8	28	90	6/40
MA401S24	3/4"	28	30	9	28	100	6/40
MA401S28	7/8"	32	30	9	28	110	6/40

1/2"MA411M

Impact Standard Socket

- 1/2" drive standard Length
- 6 points
- Metric size

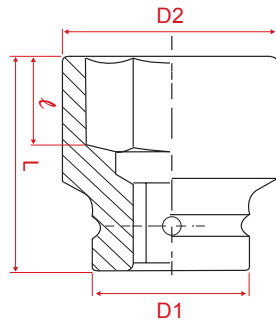





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA411M08	8	24.9	14.5	9	38	80	10
MA411M09	9	24.9	15.6	10	38	80	10
MA411M10	10	24.9	16.7	10	38	71	10
MA411M11	11	24.9	18.0	10	38	72	10
MA411M12	12	24.9	19.0	11	38	72	10
MA411M13	13	24.9	20.2	11	38	74	10
MA411M14	14	24.9	21.5	11	38	77	10
MA411M15	15	24.9	23.0	12	38	78	10
MA411M16	16	24.9	24.9	12	38	82	10
MA411M17	17	25.0	25.9	13	38	84	10
MA411M18	18	25.0	26.9	13	38	88	10
MA411M19	19	25.0	29.9	13	38	88	10
MA411M20	20	25.0	29.9	13	38	90	10
MA411M21	21	30.0	32.0	14.5	38	93	10
MA411M22	22	30.0	32.0	4.5	38	134	10
MA411M23	23	30.0	34.0	16	42	138	10
MA411M24	24	30.0	36.0	17	42	138	10
MA411M25	25	30.0	36.0	17	42	150	10
MA411M26	26	30.0	38.0	17	42	158	10
MA411M27	27	30.0	40.0	19	46	159	10
MA411M30	30	30.0	41.9	19	46	222	10
MA411M31	31	30.0	43.9	20.5	46	244	10
MA411M32	32	30.0	43.9	20.5	46	238	10
MA411M33	33	35.0	45.9	22	46	290	10
MA411M34	34	35.0	45.9	22	46	330	10
MA411M35	35	35.0	49.9	22	50	357	10
MA411M36	36	35.0	49.9	22	50	376	10
MA411M38	38	44.0	51.9	25	50	390	10

1/2"MA411S

Impact Standard Socket

- 1/2" drive standard Length
- 6 points
- Inch size



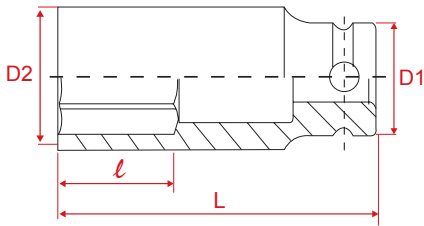
M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm	g	
MA411S08	1/4"	24.9	12.5	8	38	70	10
MA411S10	5/16"	24.9	14.5	8	38	70	10
MA411S12	3/8"	24.9	16.0	8	38	70	10
MA411S14	7/16"	24.9	18.0	9	38	72	10
MA411S16	1/2"	24.9	20.0	11	38	74	10
MA411S18	9/16"	24.9	22.0	11	38	76	10
MA411S20	5/8"	24.9	24.9	12	38	81	10
MA411S22	11/16"	25.0	26.0	12	38	83	10
MA411S24	3/4"	25.0	28.0	12	38	85	10
MA411S26	13/16"	25.0	30.0	13	38	94	10
MA411S28	7/8"	30.0	32.0	13	38	134	10
MA411S30	15/16"	30.0	34.0	15	38	135	10
MA411S32	1"	30.0	36.0	15	38	144	10
MA411S34	1-1/16"	30.0	38.0	17	40	203	10
MA411S36	1-1/8"	30.0	40.0	18.5	40	260	10
MA411S38	1-3/16"	30.0	42.0	18.5	40	280	10
MA411S40	1-1/4"	30.0	44.0	18.5	40	290	10
MA411S42	1-5/16"	35.0	46.0	21	43	301	10
MA411S44	1-3/8"	35.0	48.0	21	43	338	10
MA411S46	1-7/16"	44.0	50.0	21	43	357	10
MA411S48	1-1/2"	44.0	52.0	23.5	43	376	10




IMPACT SOCKET

1/2"MA431S

Impact Deep Socket

- 1/2" drive Deep Length
- 6 points
- Inch size

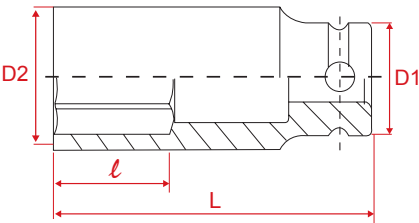





M7 NO.		D1	D2	l	L		
	inch	mm	mm	mm	mm	g	
MA431S08	1/4"	24.9	12.5	10	82	160	10
MA431S10	5/16"	24.9	14.5	13	82	160	10
MA431S12	3/8"	24.9	16.0	15	82	167	10
MA431S14	7/16"	24.9	18.0	15	82	171	10
MA431S16	1/2"	24.9	20.0	15	82	176	10
MA431S18	9/16"	24.9	22.0	17	82	181	10
MA431S20	5/8"	24.9	24.9	18	82	187	10
MA431S22	11/16"	25.0	25.9	18	82	194	10
MA431S24	3/4"	25.0	27.9	18	82	217	10
MA431S26	13/16"	25.0	29.9	26	82	227	10
MA431S28	7/8"	30.0	31.9	26	82	290	10
MA431S30	15/16"	30.0	33.9	26	82	319	10
MA431S32	1"	30.0	35.9	26	82	346	10
MA431S34	1-1/16"	30.0	37.9	26	82	450	10
MA431S36	1-1/8"	30.0	39.9	26	82	450	10
MA431S38	1-3/16"	30.0	41.9	26	82	480	10
MA431S40	1-1/4"	30.0	43.9	26	82	500	10
MA431S42	1-5/16"	35.0	45.9	34	90	565	10
MA431S44	1-3/8"	35.0	47.9	34	90	595	10
MA431S46	1-7/16"	44.0	49.9	34	90	699	10
MA431S48	1-1/2"	44.0	51.8	34	90	744	10

1/2"MA431M

Impact Deep Socket

- 1/2" drive Deep Length
- 6 points
- Metric size

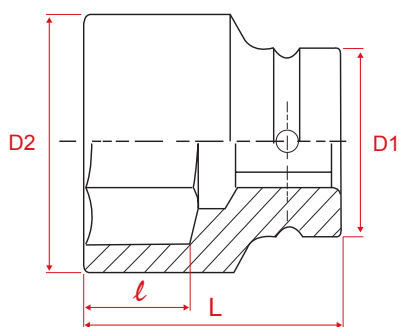


M7 NO.		D1	D2	l	L		
	mm	mm	mm	mm	mm	g	
MA431M06	6	24.9	12.0	10	82	168	10
MA431M07	7	24.9	13.0	10	82	168	10
MA431M08	8	24.9	14.5	13	82	168	10
MA431M09	9	24.9	15.6	15	82	168	10
MA431M10	10	24.9	16.7	15	82	168	10
MA431M11	11	24.9	18.0	15	82	169	10
MA431M12	12	24.9	19.0	15	82	170	10
MA431M13	13	24.9	20.2	15	82	176	10
MA431M14	14	24.9	21.5	18	82	180	10
MA431M15	15	25.0	23.0	18	82	184	10
MA431M16	16	25.0	24.9	18	82	190	10
MA431M17	17	25.0	25.9	19	82	196	10
MA431M18	18	25.0	26.9	19	82	214	10
MA431M19	19	30.0	29.9	19	82	216	10
MA431M20	20	30.0	29.9	26	82	220	10
MA431M21	21	30.0	31.9	26	82	222	10
MA431M22	22	30.0	31.9	26	82	288	10
MA431M23	23	30.0	33.9	26	82	338	10
MA431M24	24	30.0	35.9	26	82	377	10
MA431M25	25	30.0	35.9	26	82	369	10
MA431M26	26	30.0	37.9	26	82	321	10
MA431M27	27	30.0	39.9	26	82	454	10
MA431M28	28	30.0	39.9	26	82	442	10
MA431M29	29	30.0	41.9	26	82	451	10
MA431M30	30	30.0	41.9	26	82	431	10
MA431M31	31	35.0	43.9	26	90	480	10
MA431M32	32	35.0	43.9	26	90	497	10
MA431M33	33	35.0	45.9	38	90	590	10
MA431M34	34	35.0	45.9	38	90	554	10
MA431M35	35	44.0	49.9	38	93	690	10
MA431M36	36	44.0	49.9	38	93	670	10

3/4"MA611S

Impact Standard Socket

- 3/4" drive standard Length
- 6 points
- Inch size



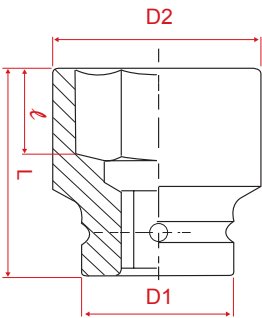
M7 NO.		D1	D2	ℓ	L		
	inch	mm	mm	mm	mm	g	
MA611S16	1/2"	38	22	16	50	207	1
MA611S18	9/16"	38	26.5	16	50	229	1
MA611S20	5/8"	38	27.5	16	50	228	1
MA611S22	11/16"	38	29	16	50	232	1
MA611S24	3/4"	38	30	16	50	226	1
MA611S26	13/16"	38	32	18	52	238	1
MA611S28	7/8"	38	34	18	52	243	1
MA611S30	15/16"	38	36	18	52	251	1
MA611S32	1"	40	40	18	52	306	1
MA611S34	1-1/16"	40	40	18	52	290	1
MA611S36	1-1/8"	42	42	18	52	320	1
MA611S38	1-3/16"	44	44	18	52	366	1
MA611S40	1-1/4"	44	44	18	52	343	1
MA611S42	1-5/16"	44	47	22	56	403	1
MA611S44	1-3/8"	44	50	22	56	444	1
MA611S46	1-7/16"	44	51	22	56	451	1
MA611S48	1-1/2"	44	53	22	56	473	1
MA611S50	1-9/16"	44	56	25	62	571	1
MA611S52	1-5/8"	44	58	25	62	608	1
MA611S54	1-11/16"	44	63.5	25	62	733	1
MA611S56	1-3/4"	44	65	25	62	762	1
MA611S58	1-13/16"	44	67	25	68	870	1
MA611S60	1-7/8"	44	68	25	68	879	1
MA611S62	1-15/16"	44	70	33	70	960	1
MA611S64	2"	54	71	33	72	1101	1
MA611S66	2-1/16"	54	74	33	72	1126	1
MA611S68	2-1/8"	54	77	33	72	1239	1
MA611S70	2-3/16"	54	77	33	74	1221	1
MA611S72	2-1/4"	54	80	33	74	1353	1
MA611S74	2-5/16"	54	82	33	75	1356	1
MA611S76	2-3/8"	54	84	33	75	1436	1
MA611S78	2-7/16"	54	85	33	75	1796	1
MA611S80	2-1/2"	54	86	33	75	1424	1
MA611S82	2-9/16"	62	89	36	78	1627	1
MA611S84	2-5/8"	62	91	38	80	1757	1
MA611S86	2-11/16"	62	93	38	80	1850	1
MA611S88	2-3/4"	62	95	40	82	2003	1
MA611S90	2-13/16"	62	98	40	82	2195	1
MA611S92	2-7/8"	62	100	40	82	2158	1
MA611S94	2-15/16"	62	102	40	85	2334	1
MA611S96	3"	62	104	40	87	2535	1




IMPACT SOCKET

3/4"MA611M

Impact Standard Socket

- 3/4" drive standard Length
- Metric size
- 6 points

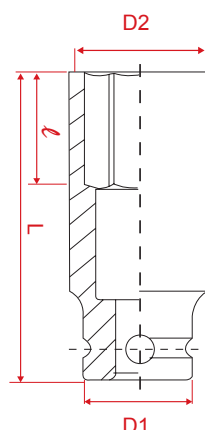





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA611M17	17	38	28	16	50	225	1
MA611M19	19	38	30	16	50	235	1
MA611M20	20	38	31	16	52	233	1
MA611M21	21	38	32	18	52	239	1
MA611M22	22	38	34	18	52	249	1
MA611M23	23	38	35	18	52	249	1
MA611M24	24	38	36	18	52	246	1
MA611M25	25	38	38	18	52	267	1
MA611M26	26	40	40	18	52	297	1
MA611M27	27	40	40	18	52	285	1
MA611M28	28	42	42	19	52	330	1
MA611M29	29	42	42	19	52	320	1
MA611M30	30	44	44	19	52	368	1
MA611M31	31	44	44	20	52	370	1
MA611M32	32	44	44	22	52	364	1
MA611M33	33	44	47	22	56	411	1
MA611M34	34	44	48	22	56	435	1
MA611M35	35	44	50	22	56	458	1
MA611M36	36	44	51	22	56	472	1
MA611M37	37	44	52	22	56	483	1
MA611M38	38	44	53	22	56	499	1
MA611M40	40	44	56	26	62	568	1
MA611M41	41	44	58	26	62	618	1
MA611M42	42	44	61	26	62	679	1
MA611M43	43	44	63	27	63	734	1
MA611M44	44	44	65	27	63	772	1
MA611M45	45	44	66	27	63	792	1
MA611M46	46	44	67	27	63	815	1
MA611M47	47	44	68	32	68	883	1
MA611M48	48	44	69	32	68	934	1
MA611M49	49	44	70	34	70	994	1
MA611M50	50	54	71	35	72	1117	1
MA611M52	52	54	74	35	72	1160	1
MA611M54	54	54	77	35	72	1236	1
MA611M55	55	54	77	35	74	1247	1
MA611M56	56	54	80	35	74	1545	1
MA611M60	60	54	84	35	75	1454	1
MA611M63	63	54	86	35	75	1521	1
MA611M65	65	54	88	35	78	1565	1

3/4"MA631M

Impact Deep Socket

- 3/4" drive Deep Length
- 6 points
- Metric size



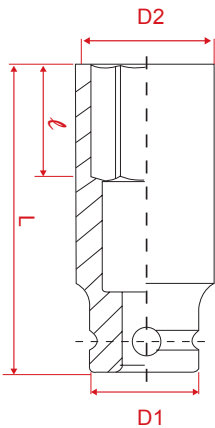
M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA631M19	19	38	30	11.5	85	360	1
MA631M20	20	38	31	12.0	85	371	1
MA631M21	21	38	32	12.0	85	378	1
MA631M22	22	38	34	12.5	85	402	1
MA631M23	23	38	35	13.0	85	415	1
MA631M24	24	38	36	14.0	85	410	1
MA631M25	25	38	38	35.0	85	429	1
MA631M26	26	40	40	35.0	85	487	1
MA631M27	27	40	40	35.0	85	470	1
MA631M28	28	42	42	35.0	85	529	1
MA631M29	29	42	42	35.0	85	458	1
MA631M30	30	44	44	35.0	85	573	1
MA631M31	31	44	44	35.0	85	552	1
MA631M32	32	44	44	35.0	85	535	1
MA631M33	33	44	47	35.0	85	614	1
MA631M34	34	44	48	35.0	85	617	1
MA631M35	35	44	50	40.0	85	576	1
MA631M36	36	44	51	40.0	85	684	1
MA631M37	37	44	52	40.0	85	699	1
MA631M38	38	44	53	40.0	85	708	1
MA631M40	40	44	56	40.0	85	763	1
MA631M41	41	44	58	45.0	85	801	1
MA631M42	42	44	61	45.0	85	889	1
MA631M43	43	44	63	55.0	95	1168	1
MA631M44	44	44	65	55.0	95	1215	1
MA631M45	45	44	66	55.0	95	1220	1
MA631M46	46	44	67	55.0	95	1259	1
MA631M47	47	44	68	55.0	95	1266	1
MA631M48	48	44	69	55.0	95	1285	1
MA631M49	49	44	70	55.0	95	1354	1
MA631M50	50	54	71	55.0	95	1388	1
MA631M52	52	54	74	55.0	95	1516	1
MA631M55	55	54	77	55.0	100	1664	1
MA631M60	60	54	84	55.0	105	1935	1
MA631M65	65	54	88	55.0	105	2214	1




IMPACT SOCKET

3/4"MA631S

Impact Deep Socket

- 3/4" drive Deep Length
- 6 points
- Inch size

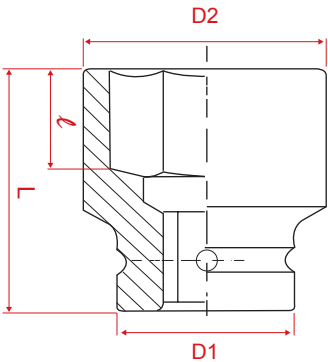





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA631S16	1/2"	38	22.0	20	85	310	1
MA631S18	9/16"	38	26.5	20	85	364	1
MA631S20	5/8"	38	27.5	20	85	361	1
MA631S22	11/16"	38	29.0	20	85	374	1
MA631S24	3/4"	38	30.0	20	85	364	1
MA631S26	13/16"	38	32.0	25	85	378	1
MA631S28	7/8"	38	34.0	25	85	402	1
MA631S30	15/16"	38	36.0	25	85	414	1
MA631S32	1"	40	40.0	35	85	500	1
MA631S34	1-1/16"	40	40.0	35	85	472	1
MA631S36	1-1/8"	42	42.0	35	85	517	1
MA631S38	1-3/16"	44	44.0	35	85	567	1
MA631S40	1-1/4"	44	44.0	35	85	537	1
MA631S42	1-5/16"	44	47.0	35	85	605	1
MA631S44	1-3/8"	44	50.0	40	85	686	1
MA631S46	1-7/16"	44	51.0	40	85	671	1
MA631S48	1-1/2"	44	53.0	40	85	697	1
MA631S50	1-9/16"	44	56.0	40	85	766	1
MA631S52	1-5/8"	44	58.0	45	85	783	1
MA631S54	1-11/16"	44	63.5	45	85	979	1
MA631S56	1-3/4"	44	65.0	45	85	1023	1
MA631S58	1-13/16"	44	67.0	45	85	1081	1
MA631S60	1-7/8"	44	68.0	45	85	1087	1
MA631S62	1-15/16"	44	70.0	45	85	1175	1
MA631S64	2"	54	71.0	45	85	1243	1
MA631S66	2-1/16"	54	74.0	55	95	1478	1
MA631S68	2-1/8"	54	77.0	55	95	1586	1
MA631S70	2-3/16"	54	77.0	55	95	1504	1
MA631S72	2-1/4"	54	80.0	55	95	1650	1
MA631S74	2-5/16"	54	82.0	55	95	1725	1
MA631S76	2-3/8"	54	84.0	55	95	1794	1
MA631S78	2-7/16"	54	85.0	55	95	1737	1
MA631S80	2-1/2"	54	86.0	55	95	1760	1
MA631S82	2-9/16"	62	89.0	46	100	2581	1
MA631S84	2-5/8"	62	91.0	50	100	2297	1
MA631S86	2-11/16"	62	93.0	56	105	2383	1
MA631S88	2-3/4"	62	95.0	56	105	2424	1
MA631S90	2-13/16"	62	98.0	67	110	2876	1
MA631S92	2-7/8"	62	100.0	67	110	2905	1
MA631S94	2-15/16"	62	102.0	80	120	3258	1
MA631S96	3"	62	104.0	80	120	3267	1

1"MA811M

Impact Standard Socket

- 1" drive standard Length
- 6 points
- Metric size



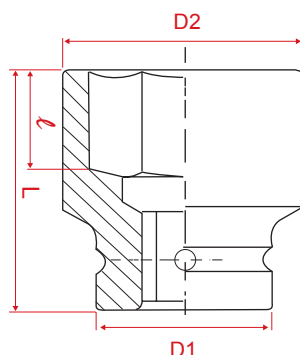
M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA811M19	19	51	36.0	19	58	490	1
MA811M21	21	51	38.0	19	58	487	1
MA811M22	22	51	39.0	19	58	50	1
MA811M23	23	51	40.0	19	58	501	1
MA811M24	24	51	40.0	19	58	508	1
MA811M25	25	51	41.0	19	58	508	1
MA811M26	26	51	42.5	19	58	508	1
MA811M27	27	51	44.0	19	58	503	1
MA811M28	28	51	45.0	19	58	513	1
MA811M29	29	51	46.0	21	60	518	1
MA811M30	30	51	48.0	21	60	541	1
MA811M32	32	51	51.0	21	60	566	1
MA811M33	33	52	53.0	23	62	626	1
MA811M34	34	52	54.0	23	62	645	1
MA811M35	35	52	54.0	23	62	655	1
MA811M36	36	52	56.0	23	62	655	1
MA811M38	38	52	58.0	23	62	674	1
MA811M40	40	52	60.0	23	62	680	1
MA811M41	41	52	61.5	23	62	726	1
MA811M42	42	52	63.0	25	64	769	1
MA811M43	43	52	65.0	25	64	801	1
MA811M44	44	58	66.0	25	64	950	1
MA811M45	45	58	67.0	25	64	958	1
MA811M46	46	58	68.0	25	64	976	1
MA811M50	50	58	73.0	31	70	1139	1
MA811M52	52	58	75.0	31	70	1156	1
MA811M54	54	58	78.0	31	70	1232	1
MA811M55	55	62	79.0	33	72	1329	1
MA811M56	56	62	80.0	35	74	1389	1
MA811M58	58	62	85.0	36	75	1590	1
MA811M60	60	62	87.0	37	78	1722	1
MA811M65	65	62	93.0	38	80	1852	1
MA811M70	70	62	98.0	42	85	2171	1




IMPACT SOCKET

1"MA811S

Impact Standard Socket

- 1" drive standard Length
- 6 points
- Inch size

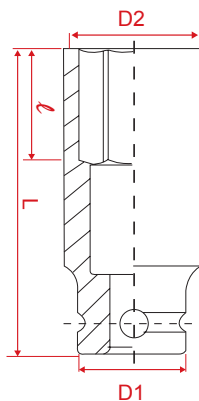





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA811S24	3/4"	50.9	36	18	58	475	1
MA811S26	13/16"	50.9	38	18	58	486	1
MA811S28	7/8"	50.9	39	18	58	495	1
MA811S30	15/16"	50.9	40	18	58	481	1
MA811S32	1"	50.9	42	18	58	497	1
MA811S34	1-1/16"	50.9	44	18	58	506	1
MA811S36	1-1/8"	50.9	46	18	58	512	1
MA811S38	1-3/16"	50.9	48	20	60	545	1
MA811S40	1-1/4"	50.9	50.9	20	60	566	1
MA811S42	1-5/16"	52.0	52.9	22	62	631	1
MA811S44	1-3/8"	52.0	53.9	22	62	634	1
MA811S46	1-7/16"	52.0	55.9	22	62	645	1
MA811S48	1-1/2"	52.0	58.0	22	62	667	1
MA811S50	1-9/16"	52.0	60.0	22	62	697	1
MA811S52	1-5/8"	52.0	61.5	22	62	717	1
MA811S54	1-11/16"	52.0	65.0	24	64	791	1
MA811S56	1-3/4"	58.0	66.0	24	64	944	1
MA811S58	1-13/16"	58.0	68.0	24	64	976	1
MA811S60	1-7/8"	58.0	70.0	26	66	1036	1
MA811S62	1-15/16"	58.0	72.0	28	68	1037	1
MA811S64	2"	58.0	74.0	30	70	1157	1
MA811S66	2-1/16"	58.0	75.0	30	70	1158	1
MA811S68	2-1/8"	58.0	78.0	30	70	1212	1
MA811S70	2-3/16"	62.0	80.0	33	72	1350	1
MA811S72	2-1/4"	62.0	84.0	35	75	1595	1
MA811S74	2-5/16"	62.0	86.0	35	75	1594	1
MA811S76	2-3/8"	62.0	87.0	36	78	1686	1
MA811S78	2-7/16"	62.0	89.0	36	78	1750	1
MA811S80	2-1/2"	62.0	91.0	37	80	1826	1
MA811S82	2-9/16"	62.0	93.0	37	80	1879	1
MA811S84	2-5/8"	62.0	95.0	39	82	2013	1
MA811S86	2-11/16"	62.0	97.0	39	82	1987	1
MA811S88	2-3/4"	62.0	98.0	41	85	2111	1
MA811S90	2-13/16"	62.0	100.0	41	87	2212	1
MA811S92	2-7/8"	62.0	102.0	41	87	2314	1
MA811S94	2-15/16"	86.0	104.0	50	95	2571	1
MA811S96	3"	86.0	106.0	52	98	3361	1
MA811S100	3-1/8"	86.0	109.0	52	100	3515	1
MA811S104	3-1/4"	86.0	113.0	52	100	3696	1
MA811S108	3-3/8"	86.0	115.0	52	100	3633	1
MA811S112	3-1/2"	86.0	119.0	52	105	4075	1
MA811S116	3-5/8"	86.0	127.0	52	110	5023	1
MA811S120	3-3/4"	86.0	130.0	52	110	4937	1
MA811S124	3-7/8"	95.0	136.0	52	110	5740	1
MA811S128	4"	95.0	140.0	62	120	6816	1
MA811S132	4-1/8"	95.0	143.0	62	120	6725	1
MA811S136	4-1/4"	95.0	146.0	62	120	6861	1
MA811S144	4-1/2"	95.0	152.0	62	120	7068	1

1"MA831S

Impact Deep Socket

- 1" drive Deep Length
- 6 points
- Inch size



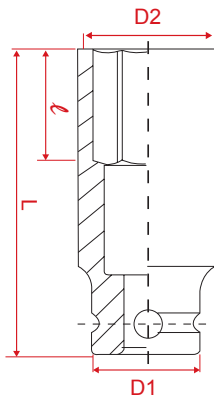
M7 NO.		D1	D2	l	L		
	mm	mm	mm	mm	mm		g
							1
MA831S26	13/16"	51	38	27	90	745	1
							1
MA831S30	15/16"	51	40	27	90	731	1
							1
MA831S34	1-1/16"	51	44	32	90	765	1
							1
MA831S38	1-3/16"	51	48	37	90	807	1
							1
MA831S42	1-5/16"	52	53	37	90	923	1
							1
MA831S46	1-7/16"	52	56	42	90	942	1
							1
MA831S50	1-9/16"	52	60	42	92	1058	1
							1
MA831S54	1-11/16"	52	65	42	92	1208	1
							1
MA831S58	1-13/16"	58	68	42	92	1356	1
							1
MA831S62	1-15/16"	58	72	42	92	1468	1
							1
MA831S66	2-1/16"	58	75	52	95	1556	1
							1
MA831S70	2-3/16"	62	80	52	100	1898	1
							1
MA831S74	2-5/16"	62	86	57	105	2360	1
							1
MA831S78	2-7/16"	62	89	62	110	2521	1
							1
MA831S82	2-9/16"	62	93	72	120	2983	1
							1
MA831S86	2-11/16"	62	97	77	124	3077	1
							1
MA831S90	2-13/16"	62	100	82	128	3315	1
							1
MA831S94	2-15/16"	86	104	87	135	4429	1
							1
MA831S100	3-1/8"	86	109	87	135	4689	1
							1
MA831S108	3-3/8"	86	115	87	135	5010	1
							1
MA831S116	3-5/8"	86	127	90	140	6194	1
							1
MA831S124	3-7/8"	95	136	90	140	6921	1
							1
MA831S132	4-1/8"	95	143	105	155	8469	1
							1
MA831S144	4-1/2"	95	152	105	155	8950	1




IMPACT SOCKET

1"MA831M

Impact Deep Socket

- 1" drive Deep Length
- 6 points
- Metric size

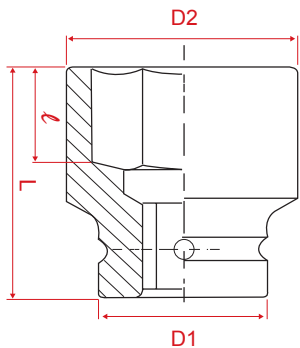





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA831M19	19	51	36	25	58	708	1
MA831M21	21	51	38	25	58	731	1
MA831M22	22	51	39	25	58	745	1
MA831M23	23	51	40	25	58	750	1
MA831M24	24	51	40	25	58	729	1
MA831M25	25	51	41	30	58	746	1
MA831M26	26	51	42.5	30	58	742	1
MA831M27	27	51	44	30	58	772	1
MA831M28	28	51	45	30	58	764	1
MA831M29	29	51	46	30	60	785	1
MA831M30	30	51	48	35	60	810	1
MA831M32	32	51	51	35	60	861	1
MA831M33	33	52	53	35	62	928	1
MA831M34	34	52	54	40	62	939	1
MA831M35	35	52	54	40	62	912	1
MA831M36	36	52	56	40	62	980	1
MA831M38	38	52	58	40	62	1015	1
MA831M40	40	52	60	40	62	1039	1
MA831M41	41	52	61.5	40	62	1087	1
MA831M42	42	52	63	40	64	1115	1
MA831M43	43	52	65	40	64	1200	1
MA831M44	44	58	66	40	64	1330	1
MA831M45	45	58	67	40	64	1345	1
MA831M46	46	58	68	40	64	1317	1
MA831M50	50	58	73	45	70	1531	1
MA831M52	52	58	75	45	70	1522	1
MA831M54	54	58	78	45	70	1685	1
MA831M55	55	62	79	50	72	1848	1
MA831M56	56	62	80	50	74	1859	1
MA831M58	58	62	85	55	75	2226	1
MA831M60	60	62	87	55	78	2332	1
MA831M65	65	62	93	70	80	2912	1
MA831M70	70	62	98	75	85	3183	1

1-1/2"MA911M

Impact Standard Socket

- 1-1/2" drive Standard Length
- 6 points
- Metric size

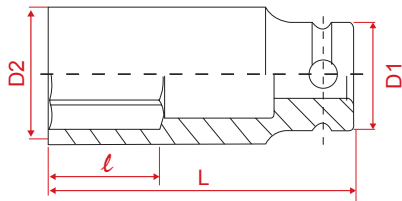





M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA911M35	35	86	62	23	78	2200	1
MA911M41	41	86	70	26	80	2320	1
MA911M46	46	86	76	27	84	2460	1
MA911M50	50	86	80	29	87	2590	1
MA911M51	51	86	82	29	87	2610	1
MA911M52	52	86	83	30	87	2590	1
MA911M54	54	86	86	36	90	2740	1
MA911M55	55	86	86	36	90	3160	1
MA911M58	58	86	93	38	90	2870	1
MA911M60	60	86	93	38	90	2790	1
MA911M65	65	86	98	40	95	2180	1
MA911M70	70	86	106	43	95	3240	1
MA911M75	75	86	108	45	103	3430	1
MA911M80	80	86	118	50	110	4190	1
MA911M85	85	86	125	50	110	4450	1
MA911M90	90	86	128	55	118	4820	1
MA911M95	95	95	134	55	118	5830	1
MA911M100	100	95	138	58	125	5920	1
MA911M105	105	95	142	58	125	6140	1
MA911M110	110	95	148	66	135	6120	1
MA911M115	115	95	158	66	135	7520	1
MA911M120	120	95	165	66	135	8360	1
MA911M130	130	127	178	72	140	9040	1

1-1/2"MA931M

Impact Deep Socket

- 1-1/2" drive Deep Length
- 6 points
- Metric size



M7 NO.		D1	D2	ℓ	L		
	mm	mm	mm	mm	mm	g	
MA931M41	41	86	70	32	115	3070	1
MA931M51	51	86	82	38	135	3940	1
MA931M54	54	86	86	36	140	4310	1
MA931M55	55	86	86	36	140	4670	1
MA931M58	58	86	93	43	150	4950	1
MA931M60	60	86	93	45	150	4900	1
MA931M65	65	86	98	47	150	5070	1
MA931M70	70	86	106	49	160	6050	1
MA931M75	75	86	108	53	170	6270	1
MA931M80	80	86	118	53	170	7310	1
MA931M85	85	86	125	58	170	7900	1
MA931M90	90	86	128	62	170	7790	1
MA931M95	95	95	134	65	180	9070	1
MA931M100	100	95	138	68	190	9770	1
MA931M110	110	95	148	75	190	10390	1
MA931M115	115	95	158	80	210	12930	1
MA931M120	120	95	165	80	210	15160	1
MA931M125	125	95	168	80	210	13150	1

IMPACT SOCKET

1/4"ME221

1/4" Drive Extension Bar



M7 NO.	Total Length			
	inch	mm		
ME221-02	2"	50	26	10
ME221-04	4"	100	46	10
ME221-06	6"	150	67	10

3/8"ME321

3/8" Drive Extension Bar



M7 NO.	Total Length			
	inch	mm		
ME321-03	3"	75	79	10
ME321-05	5"	125	124	10
ME321-06	6"	150	140	10
ME321-10	10"	250	242	10
ME321-12	12"	300	288	10
ME321-15	15"	375	354	10

1/2"ME421

1/2" Drive Extension Bar



M7 NO.	Total Length			
	inch	mm		
ME421-03	3"	75	142	10
ME421-05	5"	125	228	10
ME421-10	10"	250	653	10
ME421-15	15"	375	1041	10

3/4" ME621

3/4" Drive Extension Bar



M7 NO.	Total Length			
	inch	mm		
ME621-04	4-1/4"	100	609	10
ME621-06	6"	150	813	10
ME621-07	7"	175	911	10
ME621-08	8"	200	929	10
ME621-10	10"	250	1200	10
ME621-13	13"	330	1480	10

1"ME821

1" Drive Extension Bar



M7 NO.	Total Length			
	inch	mm		
ME821-03	3"	75	727	10
ME821-06	6"	150	1330	10
ME821-07	7"	175	1520	10
ME821-08	8"	200	1705	10
ME821-10	10"	250	2050	10
ME821-12	12"	300	2382	10
ME821-13	13"	330	2550	10

ME422

1/2" Drive Torque
Extension Bar



M7 NO.	Color	Total Length	d	Torque		
		mm		Ft / Nm		
ME422-090	Yellow	194	9	65/90	236	10
ME422-110	Blue	194	11	80/110	231	10
ME422-122	Gray	194	12.2	100/135	258	10
ME422-137	White	194	13.7	120/160	300	10
ME422-151	Sky nature	194	15.1	140/190	306	10
ME422-103	Black	194	10.3	75/100	224	10
ME422-114	Beige	194	11.4	90/120	242	10
ME422-128	Orange	194	12.8	110/150	269	10

1/2"ME471S

1/2" Drive SAE Impact Hex Driver



M7 NO.		Total Length			
		inch	mm		
ME471S08L	1/4"	78	69	10	
ME471S10L	5/16"	78	94	10	
ME471S12L	3/8"	78	105	10	
ME471S14L	7/16"	78	119	10	
ME471S16L	1/2"	78	134	10	
ME471S18L	9/16"	78	151	10	
ME471S20L	5/8"	78	173	10	
ME471S22L	11/16"	78	194	10	
ME471S24L	3/4"	78	215	10	
ME471S26L	13/16"	78	229	10	

Drive Male Adapter



M7 NO.	Spec	d	L		
		mm	mm	g	
ME382	3/8"F x 1/4"M	22	32	12	10
ME384	3/8"F x 1/2"M	22	32	50	10
ME483	1/2"F x 3/8"M	25	38	65	10
ME486	1/2"F x 3/4"M	30	48	161	10
ME688	3/4"F x 1"M	46	68	437	10
ME684	3/4"F x 1/2"M	44	60	343	10
ME886	1"F x 3/4"M	56	80	653	10
ME889	1"F x 1-1/2"M	54	90	1078	10

Drive Universal Joint



M7 NO.	Size	d	Total Length			
		mm	inch	mm		
ME2711	1/4"	20	1-3/4"	65	42	10
ME3711	3/8"	27	2"	51	102	10
ME4711	1/2"	34	2-7/16"	61	208	10
ME6711	3/4"	49	3-1/2"	90.4	641	10
ME8711	1"	59	4-1/2"	114	1199	10
ME9711	1-1/2"	90	6-11/16"	170	1312	10

1/2"ME471M

1/2" Drive SAE Impact Hex Driver



M7 NO.		Total Length			
		inch	mm		
ME471M04L	4	78	71	10	
ME471M05L	5	78	77	10	
ME471M06L	6	78	81	10	
ME471M07L	7	78	87	10	
ME471M08L	8	78	95	10	
ME471M09L	9	78	102	10	
ME471M10L	10	78	108	10	
ME471M11L	11	78	118	10	
ME471M12L	12	78	128	10	
ME471M13L	13	78	140	10	
ME471M14L	14	78	149	10	
ME471M15L	15	78	166	10	
ME471M16L	16	78	177	10	
ME471M17L	17	78	188	10	
ME471M18L	18	78	202	10	
ME471M19L	19	78	215	10	
ME471M21L	21	78	233	10	

3/8"MB371S

3/8" Drive Bit Holder



M7 NO.		Total Length			
		inch	mm		
MB371S	3/8"	40	44(0.09)	10	

SOCKET STICKERS PACK



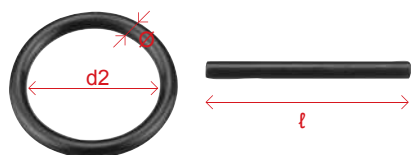
M7 NO.	drive
8702	1/4"
8703	3/8"
8704	1/2"
8706	3/4"
8708	1"

100 pieces in one carton

IMPACT SOCKET

3/8" ME903

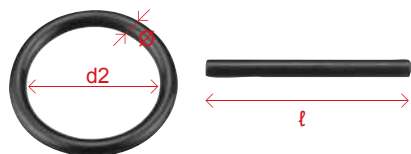
3/8" Drive Locking Ring / 3/8" Drive Locking Pin



M7 NO.	Desp.	Ø	d2	t	Applied to socket sizes
		mm	mm	mm	
ME90315	Ring	3.5	13		8~24mm (5/16"~13/16")
ME90315	Pin	2.5		15	
ME90324	Ring	2.5	16		21~32mm (7/8"~1-1/4")
ME90324	Pin	2.5		18	

3/4" ME906

3/4" Drive Locking Ring/3/4" Drive Locking Pin



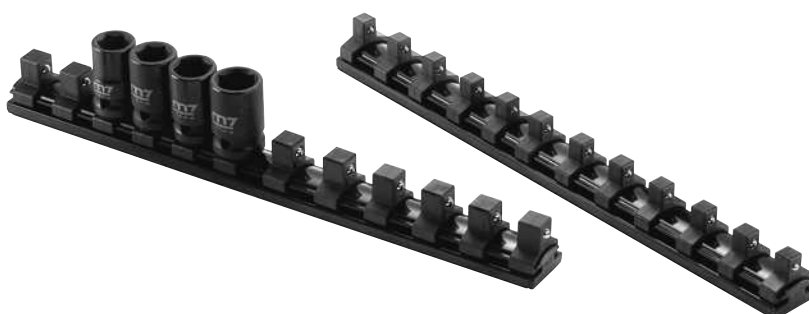
M7 NO.	Desp.	Ø	d2	t	Applied to socket sizes
		mm	mm	mm	
ME90627	Ring	4	32		17~27mm (1/2"~1-1/8")
ME90627	Pin	4		32	
ME90646	Ring	4	36		28~49mm (1-1/8"~1-5/16")
ME90646	Pin	4		35.5	
ME90650	Ring	4	46		50mm~65mm (2"~2-1/2")
ME90650	Pin	4		46	

AD-22/23/24

Magnetic aluminum rail

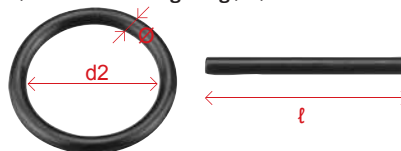
M7 NO.	Drive	Total Length			
	inch	inch	mm	g	
AD-2212	1/4"	12"	300	25	10
AD-2312	3/8"	12"	300	25	10
AD-2412	1/2"	12"	300	25	10
AD-2218	1/4"	18"	457	26	10
AD-2318	3/8"	18"	457	26	10
AD-2418	1/2"	18"	457	26	10

48 pieces in one carton



1/2" ME904

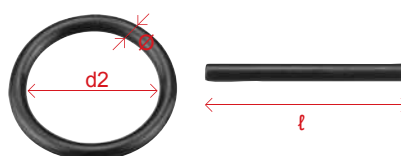
1/2" Drive Locking Ring / 1/2" Drive Locking Pin



M7 NO.	Desp.	Ø	d2	t	Applied to socket sizes
		mm	mm	mm	
ME90424	Ring	4	20		8~24mm (5/16"~13/16")
ME90424	Pin	4		18	
ME90432	Ring	4	25		21~32mm (7/8"~1-1/4")
ME90432	Pin	4		20.5	
ME90436	Ring	4	30		33~36mm (1-5/16"~1-3/8")
ME90436	Pin	4		25.5	
ME90434	Ring	4	38		37~34mm (1-7/16"~1-5/16")
ME90434	Pin	4		30.5	
ME90458	Ring	4	46		50~58mm (2"~2-1/4")
ME90458	Pin	4		39.5	

1" ME908

1" Drive Locking Ring/1" Drive Locking Pin



M7 NO.	Desp.	Ø	d2	t	Applied to socket sizes
		mm	mm	mm	
ME90836	Ring	5	48		19~70mm (3/4"~2-7/8")
ME90836	Pin	5		46	
ME90860	Ring	10	75		(2-15/16"~3-3/4")
ME90860	Pin	10		80	

AFTER MARKET SUPPORT

AD-307

Wall Type Display Stand

- Powder coating
- Attachment
- 1pc Brand Plate
- 2pcs Angled Steel Frame
- 2pcs Shelf
- 1pc Bottom Shelf
- 4pcs Steel Plate With Hole

Overall Size(mm)
Width x Depth x Height

900 x 500 x 2230

AD-351

Optional Item

AD-361

Optional Item

Overall Size(mm)
Width x Depth

280 x 910 mm

AD-306

Table Type Display Stand



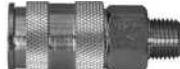












- 1 pc Transparent DM shelf
- 2 pcs support frame
- 1 pc Bottom shelf
- 3 set (AD-3521/3522/3523)

Overall Size(mm)
Width x Depth x Height

300 x 140 x 340
















AD-35

Complete set of Tool Base

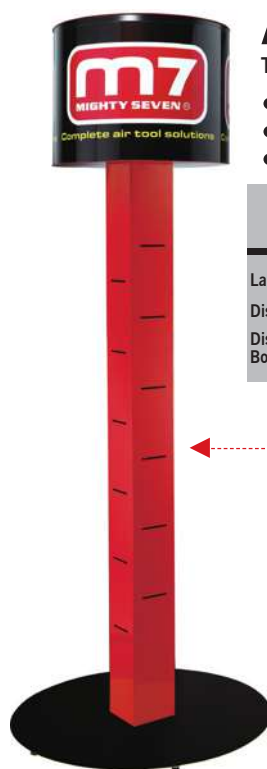
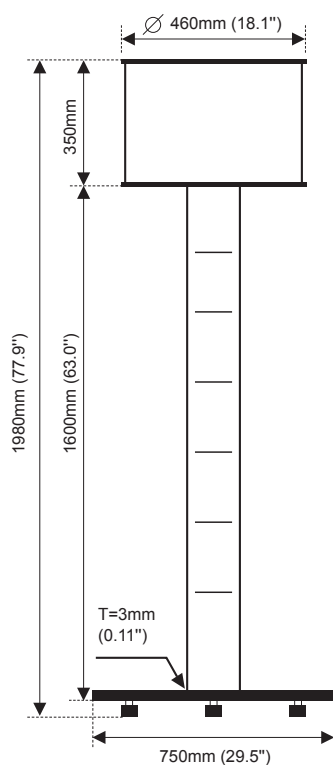
Item No.	Adaptor Type	Contents					
 AD-3501	Europe	 SY-211M	 AD-3521			AD-351	
 AD-3502	Japan	 SY-221M	 AD-3522			AD-351	
 AD-3503	U.S.A	 SY-231M	 AD-3523			AD-351	

AD-36

Complete set of Tool Base

Item No.	Adaptor Type	Contents					
 AD-3601	Europe	 SY-211M	 AD-3521			AD-305-41	
 AD-3602	Japan	 SY-221M	 AD-3522			AD-305-41	
 AD-3603	U.S.A	 SY-231M	 AD-3523			AD-305-41	

AFTER MARKET SUPPORT



AD-308

Tower Type Display Stand

- 1 pc Transparent DM shelf
- 2 pcs support frame
- 1 pc Bottom shelf

Contains	Package				
	net weight kg	gross weight kg	length mm	width mm	height mm
Lamp Case Set	4.35	5.35	530	510	101
Display Pillar	8.0	9.0	930	330	180
Display Stand Bottom Plate	10.45	11.45	810	820	70



AD-305-41

Optional Item

SF-306 / SF-604 SF-605

Spare Parts Box

- greasy-resisting
- wearproof

Overall Size(mm)
Width x Depth x Height

SF-306 303 x 106 x 253 (11.8"x4.1"x10")

SF-604 603 x 167 x 203 (23.7"x6.5"x8")

SF-605 603 x 123 x 153 (23.7"x4.8"x6")



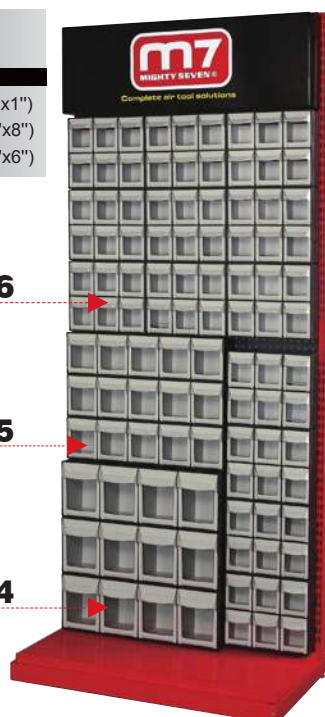
SF-306



SF-605



SF-604



AD-201

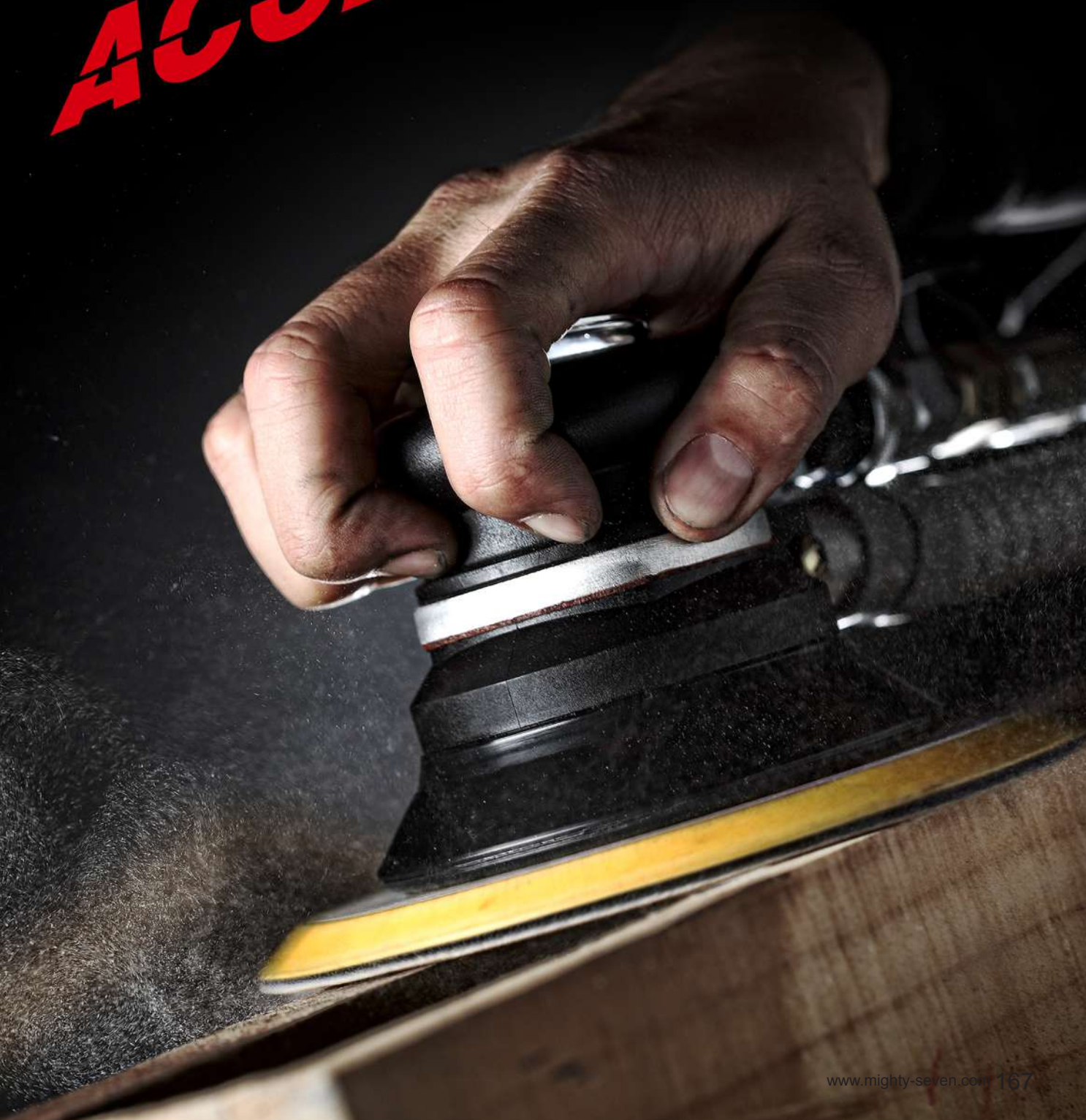
1/2" DR. Socket Shelf Set



AD-431

1/2" DR. Socket Shelf Set

SANDING ACCESSORIES



SANDING ACCESSORIES

PAD Series

backing Face : velcro are available.



ITEM NO.	SIZE	R.P.M
QB-9302	2"	15000
QB-9303	3"	15000
QB-9305	5"	12000
QB-9306	6"	12000

PAD Series

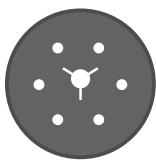
backing Face : vinyl are available.



ITEM NO.	SIZE	R.P.M
QB-9342	2"	15000
QB-9343	3"	15000
QB-9345	5"	12000
QB-9346	6"	12000

PAD Series

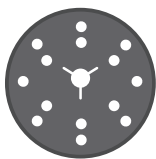
six hole
backing Face :
velcro & vinyl are available.



ITEM NO.	SIZE	R.P.M
QB-9315 (velcro)	5"	12000
QB-9355 (vinyl)	5"	12000
QB-9316 (velcro)	6"	12000
QB-9356 (vinyl)	6"	12000

PAD Series

fifteen hole
backing Face :
velcro & vinyl are available.



ITEM NO.	SIZE	R.P.M	For m7 item NO.
QB-9327 (velcro)	6"	12000	
QB-9366 (vinyl)	6"	12000	

QB-9337M QB-9337S

PAD
Available with
QP-317



ITEM NO.	SIZE	R.P.M	Thread Size
QB-9337M	7"	15,000	M14*2.0
QB-9337S	7"	15,000	5/8"*11

QB-922 / QB-923

Roll On Holder



QB-923



QB-922

ITEM NO.	SIZE	R.P.M	For m7 item NO.
QB-922	2"	30000	QP-212 QB-625
QB-923	3"	20000	

QB-9320

FOR OK-121



SANDING ACCESSORIES

PAD DIE Series

5 pcs / 1 SET



ITEM NO.	SIZE	PS.	R.P.M	For m7 item NO.
QB-9702k-24	2"	Grit:#24	30,000	QP-212 QP-212N QB-625 QB-0618
QB-9702k-40		Grit:#40		
QB-9702k-60		Grit:#60		
QB-9702k-80		Grit:#80		
QB-9702k-100		Grit:#100		
QB-9702k-120		Grit:#120		
QB-9702k-150		Grit:#150		
QB-9702k-180		Grit:#180		
QB-9702k-240		Grit:#240		
QB-9703k-24	3"	Grit:#24	25,000	
QB-9703k-40		Grit:#40		
QB-9703k-60		Grit:#60		
QB-9703k-80		Grit:#80		
QB-9703k-100		Grit:#100		
QB-9703k-120		Grit:#120		
QB-9703k-150		Grit:#150		
QB-9703k-180		Grit:#180		
QB-9703k-320		Grit:#320		

SANDING Disc

5 pcs / 1 SET



ITEM NO.	SIZE	PS.	R.P.M	For m7 item NO.
QB-9712-YL	2"	Yellow-coarse #80	30,000	QP-212 QP-212N QB-625 QB-0618
QB-9712-RD	2"	Red-Medium #150		
QB-9712-BL	2"	Blue-Fine #300		
QB-9713-YL	3"	Yellow-coarse #80		
QB-9713-RD	3"	Red-Medium #150		
QB-9713-BL	3"	Blue-Fine #300		

QB-95 SERIES

Wool Bonnet PAD
Available with



ITEM NO.	SIZE	PS.
0QB-9512	2"	Velcro
0QB-9513	3"	Velcro
0QB-9515	5"	Velcro
0QB-9517	7"	Velcro
0QB-9507	7"	Ticonband

QB-94 SERIES

Sponge
Available with QB-802



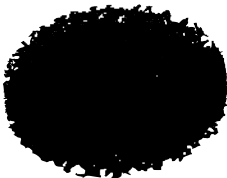
ITEM NO.	SIZE	PS.	Thickness
0QB-9402	2"	Yellow / Rough	25mm
0QB-9422	2"	White / Medium	25mm
0QB-9403	3"	Yellow / Rough	25mm
0QB-9413	3"	White / Medium	25mm
0QB-9404	4"	Yellow / Rough	25mm
0QB-9424	4"	White / Medium	25mm
0QB-9405	5"	Yellow / Rough	25mm
0QB-9425	5"	White / Medium	25mm
0QB-9406	6"	Yellow / Rough	25mm
0QB-9426	6"	White / Medium	25mm
0QB-9407	7"	Yellow / Rough	25mm
0QB-9427	7"	White / Medium	25mm

QB-9712K / QB-9713K

Stripping Disc
Available with

Itme NO.	SIZE	R.P.M
QB-9712K	2"	15,000
QB-9713K	3"	15,000

5 pcs / 1 SET



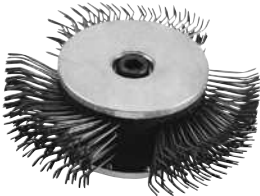
QB-9434 QB-9434U FOR USA

Eraser Wheel
Available with
QB-812T



QB-9401

Wire Wheel
Available with
QB-802 QB-812



QB-9414

Eraser Wheel
Available with
QB-802 QB-812



ACCESSORIES

SY-2002M

Air Regulator & 360°
Rotatable Adaptor
Air inlet 1/4"










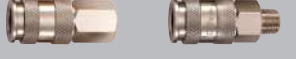



SY-2001M

360° Rotatable Adaptor
Air inlet 1/4"







SY-M SY-F Air Adaptor / Quick Couplings

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

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



Two - stage safety quick connector structure.

- The joint can be discouraged in two sections.
- The joint structure can quickly distinguish.

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

Safety lock ratchet structure


Three kinds of connectors can be used together. (SY-210SM-L)

Item No.	Thread Type	Thread Size	Type	Picture
SY-210SM-L	Male	1/4" PT	Europe France (Safety ratchet type)	
SY-210SF-L	Female	3/8" PT		
SY-220SM-L	Male	1/4" PT	Japan (Safety ratchet type)	
SY-220SF-L	Female	3/8" PT		

Composte Quick Coupling

Item No.	Thread Type	Thread Size	Type	Picture
SY-0213M SY-0313M SY-0413M	Male	1/4" PT 3/8 PT 1/2 PT	Europe	
SY-0223M SY-0323M SY-0423M	Male	1/4" PT 3/8 PT 1/2 PT	Japan	
SY-0233M SY-0333M SY-0433M	Male	1/4" PT 3/8 PT 1/2 PT	U.S.A France	

Item No.	Thread Type	Thread Size	Type	Picture
SY-1213F SY-1313F SY-1413F	Female	1/4" PT 3/8 PT 1/2 PT	Europe	
SY-1223F SY-1323F SY-1423F	Female	1/4" PT 3/8 PT 1/2 PT	Japan	
SY-1233F SY-1333F SY-1433F	Female	1/4" PT 3/8 PT 1/2 PT	U.S.A France	

Item No.	Thread Type	Thread Size	Type	Picture
SY-2213P SY-2313P SY-2413P	----	5X8 PU 6.5X10 PU 8X12 PU	Europe	
SY-2223P SY-2323P SY-2423P	----	5X8 PU 6.5X10 PU 8X12 PU	Japan	
SY-2233P SY-2333P SY-2433P	----	5X8 PU 6.5X10 PU 8X12 PU	U.S.A France	




Item No.	Thread Type	Thread Size	Type	Picture
SY-3113H SY-3213H SY-3313H SY-3413H	----	10SH 1/4" 20SH 5/16" 30SH 3/8" 40SH 1/2"	Europe	
SY-3123H SY-3223H SY-3323H SY-3423H	----	10SH 1/4" 20SH 5/16" 30SH 3/8" 40SH 1/2"	Japan	
SY-3133H SY-3233H SY-3333H SY-3433H	----	10SH 1/4" 20SH 5/16" 30SH 3/8" 40SH 1/2"	U.S.A France	

ACCESSORIES

QB-904 QB-905 QB-906

Grinding Wheel Materials: Aluminum Oxide





ITEM NO.	Pad Dia Arbor Size			
0QB-904	100x6x16 4"x1/4"x5/8"		25	/ 200
0QB-905	125x6x22 5"x1/4"x7/8"		25	/ 200
0QB-906	180x6x22 7"x1/4"x7/8"		25	/ 200

QB-913 QB-914

Cut-off Wheel



ITEM NO.	Arbor Hole			For m7 item NO.
0QB-913	3"x1/16"x3/8" (75x1.5x10)	25	/ 200	QC-213/ QC-213T QC-253
0QB-914	4"x1/16"x3/8" (100x1.5x10)	25	/ 200	QC-213 / QC-213T QC-253 / QC-264

QB-9211 [SET]

Grinder Stone Set
(3mm Shank)

Available with

QA-633Q QA-611 QA-632Q QA-111 QA-211 QA-231Q
QA-311 QA-313 QA-315



QB-9213 [SET]

Grinder Stone Set
(6mm Shank)

Available with

m7 ALL AIR DIE GRINDER



QB-911-08-10 QB-912-08-10

Abrasive Cloth Belt

QB-91108

QB-91110



Available with
for QB-311 / QB-321

QB-91208

QB-91210

Available with
for QB-312 / QB-322 / QB-322C



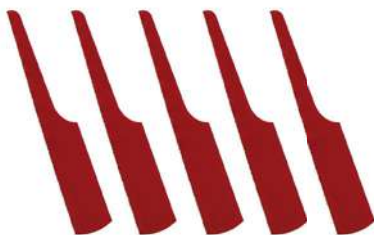
ITEM NO.	Belt Size			For m7 item NO.
QB-91108	10mm x 330mm #80	10Pcs/1 Set		QB-311 QB-321
QB-91110	10mm x 330mm #100	10Pcs/1 Set		
QB-91208	20mm x 520mm #80	10Pcs/1 Set		QB-322 QB-322C QB-312
QB-91210	20mm x 520mm #100	10Pcs/1 Set		

QD-932

32T Saw Blade
Bi-Metal Material

10 pcs / box

Available with
QD-221 QD-230 QD-291



SN-268 SN-288

Needle Set

SN-268
(19 Needle Set) 3 x180 m/m
Available with
SN-1268,SN-2110,SN-1368



SN-288
(12 Needle Set) 3 x125 m/m
Available with
SN-1368

SC-4 CHISEL SET

- Flat Chisel
- Cutting Chisel
- Tapered Punch
- Ripping Chisel
- Tail Pipe Cutter
- SC-415 - Chisel Set / 175mmL / Round
- SC-425 - Chisel Set / 175mmL / Hex

Available with
SC-331C SC-341C SC-332C SC-342C
SC-211C SC-221C SC-212C SC-222C



QM-901

Universal repairing Kit for
auto Transmission shaft boot
Available with QM-1125



SC-2A

Retainer

Available with
For SC-21/SC-22 SC-31/SC-34 SERIES



SC-2B

Quick Change Retainer

QD-924

24T Saw Blade
Bi-Metal Material 10 pcs / box

Available with
QD-221 QD-230 QD-291



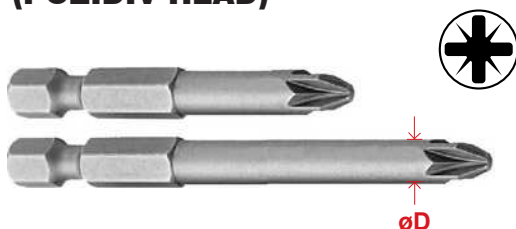
ACCESSORIES

1/4" POWER BIT (PHILLIPS HEAD)



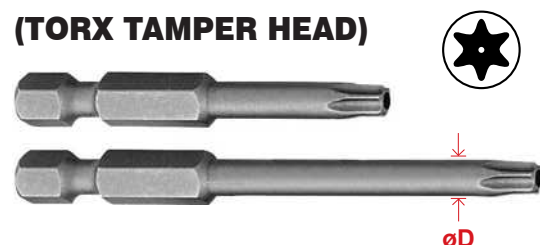
"OVERALL LENGTH(mm)"	SIZE	ITEM NO.	øD(mm)
50	0	MD10150P0A	3
	1	MD10150P1A	4.5
	2	MD10150P2A	6
	3	MD10150P3A	6
70	1	MD10170P1A	4.5
	2	MD10170P2A	6
	3	MD10170P3A	6

1/4" POWER BIT (POZIDIV HEAD)



"OVERALL LENGTH(mm)"	SIZE	ITEM NO.	øD(mm)
50	0	MD10150Z0A	3
	1	MD10150Z1A	4.5
	2	MD10150Z2A	6
	3	MD10150Z3A	6
70	1	MD10170Z1A	4.5
	2	MD10170Z2A	6
	3	MD10170Z3A	6

1/4" POWER BIT (TORX TAMPER HEAD)



"OVERALL LENGTH(mm)"	SIZE	ITEM NO.	øD(mm)
50	6	MD10150TT06A	3.2
	7	MD10150TT07A	3.2
	8	MD10150TT08A	3.2
	9	MD10150TT09A	3.2
	10	MD10150TT10A	4
	15	MD10150TT15A	4
	20	MD10150TT20A	4.8
	25	MD10150TT25A	4.8
	27	MD10150TT27A	6
	30	MD10150TT30A	6
	40	MD10150TT40F	6.3
70	6	MD10170TT06A	3.2
	7	MD10170TT07A	3.2
	8	MD10170TT08A	3.2
	9	MD10170TT09A	3.2
	10	MD10170TT10A	4
	15	MD10170TT15A	4
	20	MD10170TT20A	4.8
	25	MD10170TT25A	4.8
	27	MD10170TT27A	6
	30	MD10170TT30A	6
	40	MD10170TT40F	6.3
	45	MD10170TT45E	8
	50	MD10170TT50E	9.1

1/4" POWER BIT (DOUBLE PHILLIPS HEAD)



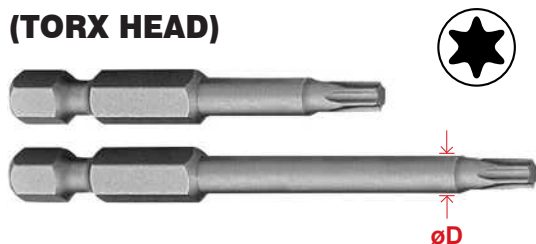
"OVERALL LENGTH(mm)"	SIZE	ITEM NO.
65	1	MD10165P1P1A
	2	MD10165P2P2A
	3	MD10165P3P3A
110	1	MD101110P1P1A
	2	MD101110P2P2A
	3	MD101110P3P3A

1/4" POWER BIT (HEX HEAD)



"OVERALL LENGTH(mm)"	A(mm)	ITEM NO.
50	1.5	MD10150H015A
	2	MD10150H020A
	2.5	MD10150H025A
	3	MD10150H030A
	4	MD10150H040A
	5	MD10150H050A
	6	MD10150H060F
	7	MD10150H070E
	8	MD10150H080E
	10	MD10150H100E
70	1.5	MD10170H015A
	2	MD10170H020A
	2.5	MD10170H025A
	3	MD10170H030A
	4	MD10170H040A
	5	MD10170H050A
	6	MD10170H060F
	7	MD10170H070E
	8	MD10170H080E
	10	MD05170H100E

1/4" POWER BIT (TORX HEAD)



"OVERALL LENGTH(mm)"	SIZE	ITEM NO.	øD(mm)
50	6	MD10150T06A	3.2
	7	MD10150T07A	3.2
	8	MD10150T08A	3.2
	9	MD10150T09A	3.2
	10	MD10150T10A	4
	15	MD10150T15A	4
	20	MD10150T20A	4.8
	25	MD10150T25A	4.8
	27	MD10150T27A	6
	30	MD10150T30A	6
	40	MD10150T40F	7
	45	MD10150T45E	8
	50	MD10150T50E	9.1
70	6	MD10170T06A	3.2
	7	MD10170T07A	3.2
	8	MD10170T08A	3.2
	9	MD10170T09A	3.2
	10	MD10170T10A	4
	15	MD10170T15A	4
	20	MD10170T20A	4.8
	25	MD10170T25A	4.8
	27	MD10170T27A	6
	30	MD10170T30A	6
	40	MD10170T40F	7
	45	MD10170T45E	8
	50	MD10170T50E	9.1

RETAILER PROMOTION

ZC-201

T-shirt



ZB-604

USB drive



ZB-9156

LED Pen light



LED x 4pcs
No. 4 battery x 3pcs included

ZB-305

Pen



ZB-306

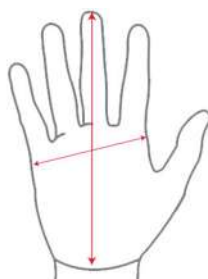


ZB-307



ZB-812

Anti-vibration Glove



Palm length :

Distance between middle finger to bottom of the palm

Palm width :

Distance between left side and right side of the palm

Item Description	length(cm)	wide(cm)
M	22	10.5
L	23.5	11
XL	25.5	11.5
XXL	26.5	12

ZB-814

Half Finger Blade Cut Resistance Glove



ZB-701

Cardcase



ZC-202-1

Baseball Cap





ZF-01

WING PROTECTOR COVER

ZF-02

WING PROTECTOR COVER

ZC-107

Bag



ZC-111

TOOL Bag
37*24*23cm



ZH-104



ZC-112

TOOL Bag
(rubber base)
40*22*30cm



ZC-303

Stickers



ZG-101

Watch



ZE-03



M7 POSTER



m7

NC-4650
1/2" AIR IMPACT WRENCH

MAX 900 Nm
TORQUE 650 FT-LB



m7

PNEUMATIC TOOLS

INDUSTRIAL
AUTOMOTIVE
NAVAL ARCHITECTURE
MOTOR BIRES
AGRICULTURE



1" DRIVE m7
NC-8382 / NC-8242
AIR IMPACT WRENCH

LIGHT & POWERFUL

MAX TORQUE **2500 ft/lb**
NET WEIGHT **11.9 kg**

LIGHT 20%
POWERFUL 38%



MAX. TORQUE 1627 Nm
MAGNESIUM ALLOY.

NC-4255Q



COMPLETE AIR TOOL SOLUTIONS m7

AIR IMPACT WRENCH

Smallest with Bigger power

vs David and Goliath

NC-4610
1/2" Drive Air Impact Wrench
Air Inlet: 1/4"

- As long as 115 mm only, which is the shortest model among all 1/2" impact wrenches available in the market.
- The maximum torque can reach up to 680 FT-LB.
- Outstanding design for easy fitting, ergonomic design for comfortable operation.

MIGHTY SEVEN INTERNATIONAL CO., LTD.
www.mighty-seven.com
e-mail: info@m7-mighty-seven.com



m7

MIGHTY SEVEN INTERNATIONAL CO., LTD.
www.mighty-seven.com
service@m7-mighty-seven.com



m7 NE-483 1/2" Drive Air Ratchet Wrench
Air inlet: 1/4" 20mm

Durable Anvil
Steel Ball

TORQUE POWER
100FT-LB
135NM

LONGER DURABILITY
New Design of strengthen planet gear

TWO STEP TRIGGER
precise control for safety & efficiency

Series	Model	Max Torque	Max Speed	Max Air Pressure	Max Air Flow	Max Weight	Max Length	Max Width	Max Height	Max Depth
1/2"	NE-483	100	135	250	5.0/3.4	10.0/6.0	18.0/12.0	2.0/1.5	3.0"	2.0"



m7 QA-110 Air Die Grinder
Air inlet: 1/4" 20mm

EFFICIENCY INSIDE
New motor 22000R.P.M

Handle
+ Anti-Shock Design
+ Ergonomic handle provides -20°C~+50°C working temperature

BOTH SIZE COLLECT INCLUDED
A: 6mm/3mm
B: 1/4"/3/8"

SAFETY TRIGGER

Collet Size	Collet Type	Free Speed	Avg. Air	Avg. Air	Overall Length	Motor	Net Weight	Air Inlet	Sound Pressure Level	Vibration Level
6 & 3	1/4" & 3/8"	22000	5.0/3.4	10.0/6.0	18.0/12.0	0.5	1.36	0.62	3.0"	1.1



m7 SHARK+ COMPOSITE

Efficiently & Well-Balanced Twin Hammer

MAX TORQUE 746 Nm 550 FT-LB

1 Finger Controls Forward & Reverse and 3 Power Setting

Quiet Silencer Lower Than 83dBA

NC-8232

CATERHAM m7 is the official Sponsor of CATERHAM



Compressed Air Systems
www.m7group.com

AIR BLOW GUN





Model	Pressure	Flow	Max. Air Flow	Max. Air Flow	Max. Air Flow	Max. Air Flow	Max. Air Flow	Max. Air Flow
	Bar	l/min	l/min	l/min	l/min	l/min	l/min	l/min
JC-424	8"	75 - 120 (3.5 - 5.5)	1000 (10)	12 (0.28)	10 (0.25)	0.26	0.11	30
JC-432	10"	75 - 120 (3.5 - 5.5)	1000 (10)	12 (0.28)	10 (0.25)	0.26	0.12	30
JC-444	12"	75 - 120 (3.5 - 5.5)	1000 (10)	12 (0.28)	10 (0.25)	0.26	0.13	30
JC-456	14"	75 - 120 (3.5 - 5.5)	1000 (10)	12 (0.28)	10 (0.25)	0.26	0.14	30
JC-468	16"	75 - 120 (3.5 - 5.5)	1000 (10)	12 (0.28)	10 (0.25)	0.26	0.15	30
JC-480	18"	75 - 120 (3.5 - 5.5)	1000 (10)	12 (0.28)	10 (0.25)	0.26	0.16	30

User's Manual of Air Impact Wrench

Working environment:

- Using these tools in any potentially explosive environment is strictly prohibited.
- It is always recommended that these types of tools must be operated when standing on a solid or firm location.
- Always use these tools in a well ventilated area.
- 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:

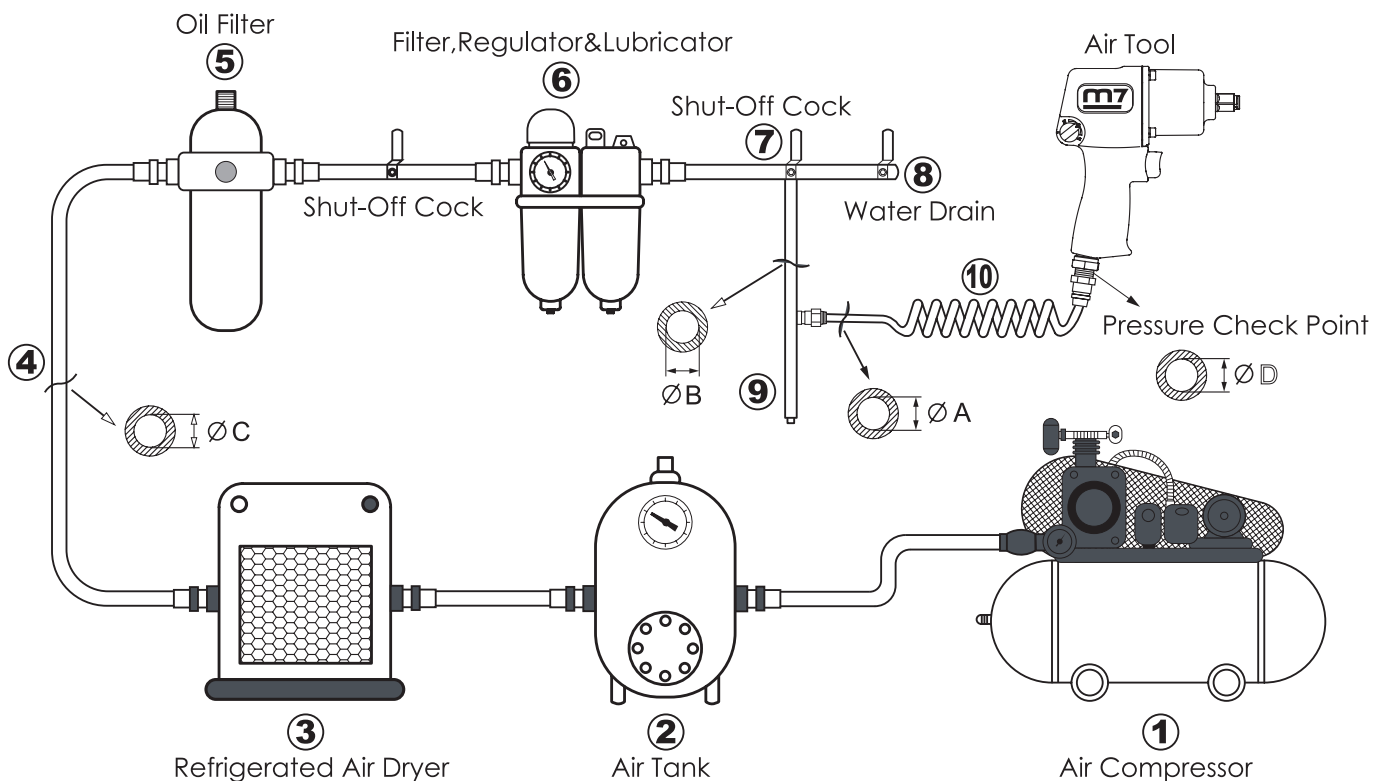
- The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.
- The compressed air should be cooled and have a water filter installed at the outlet end of the compressor. Even with a water 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.
- Always use an air compressor of the proper capacity to operate each tool.
- 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.

Air Tool Repair Kits



M7 provides specialized repairing tools for your after market need

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 ⑧) 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).

IMPACT WRENCH

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed, 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The screws may be loose. 3. The reverse button (knob) may be out off position. 4. Some component(s) in motor housing or hammer housing may be worn off. 	<ol style="list-style-type: none"> 1. Check and replace new ones, if necessary. 2. Tighten all loose screws. 3. Adjust the button. 4. Check and replace them, if necessary.
<ol style="list-style-type: none"> 1. Air leaks from hammer housing or rear cover. 	<ol style="list-style-type: none"> 1. The screws may be loose. 2. The gasket seal may be broken. 	<ol style="list-style-type: none"> 1. Tighten all loose screws. 2. Replace it.
Note: The consumable parts are the rotor blades, anvil and hammer.		

RATCHET WRENCH

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed, 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The screws may be loose. 3. The reverse button (knob) may be out off position. 4. Some component(s) in motor housing or hammer housing may be worn off. 	<ol style="list-style-type: none"> 1. Check and replace new ones, if necessary. 2. Tighten all loose screws. 3. Adjust the button. 4. Check and replace them, if necessary.
Note: The consumable parts are the rotor blades, gears and ratchet anvil.		

DIE GRINDER

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 2. Trigger may be damaged! 	<ol style="list-style-type: none"> 1. Clean to remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Push trigger and run for several seconds to get rid of the dust. 5. Inspect the trigger, correct or replace the related component when necessary.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed, 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The screws may be loose. 3. The Air Regulator may not be in correct position. 4. The Collet Nut may be loose. 	<ol style="list-style-type: none"> 1. Check and replace with new ones, if necessary. 2. Tighten all loose screws. 3. Check and correct. 4. Check and tighten.
Note: The consumable parts are the rotor blades, bearings and collet.		

AIR CUTTING OFF TOOL

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 2. Trigger may be damaged! 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Push trigger and run for several seconds to get rid of the dust. 5. Inspect the trigger, correct or replace the related component when necessary.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed. 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The screws may be loose. 3. The Air Regulator may not be in correct position. 	<ol style="list-style-type: none"> 1. Check and replace with new ones, if necessary. 2. Tighten all loose screws. 3. Check and correct.
Note: The consumable parts are the rotor blades and bearings.		

AIR ANGLE GRINDER

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 2. Trigger may be damaged! 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Push trigger and run for several seconds to get rid of the dust. 5. Inspect the trigger, correct or replace the related component when necessary.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed. 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The screws may be loose. 3. The bevel gears may not have enough grease. 4. The bevel gears may be worn off. 	<ol style="list-style-type: none"> 1. Check and replace new ones, if necessary. 2. Tighten all loose screws. 3. Apply some multiple-purpose grease. 4. Replace them.
Note: The consumable parts are the rotor blades and bearings.		

BELT SANDER

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed. 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged. 2. The screws may be loose. 3. The belt may not be seated correctly. 4. The bearings may be damaged. 	<ol style="list-style-type: none"> 1. Check and replace with new ones, if necessary. 2. Tighten all loose screws. 3. Adjust it. 4. Replace them.
Note: The consumable parts are the rotor blades and bearings.		

AIR SANDER

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 2. Trigger may be damaged! 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed. 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The pad may not be correct. 3. The screws may be loose. 	<ol style="list-style-type: none"> 1. Check and replace with new ones, if necessary. 2. Check and replace with the correct one. 3. Tighten all loose screws.
Note: The consumable parts are the rotor blades and bearings.		

AIR SHEAR

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed, 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged, 2. The cutting blades may not be sharp enough. 3. The cutting blades may not be in the correct position. 4. The lock screws for cutting blades may be loose. 	<ol style="list-style-type: none"> 1. Check and replace with new ones, if necessary. 2. Check and replace with new ones, if necessary. 3. Check and adjust them. 4. Check and tighten.
Note: The consumable parts are the rotor blades and bearings.		

AIR SAW

<ol style="list-style-type: none"> 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking. 	<ol style="list-style-type: none"> 1. Dust jam. 2. Trigger may be damaged! 	<ol style="list-style-type: none"> 1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
<ol style="list-style-type: none"> 1. Severe torque loss, but will still run at full free speed. 2. Tool will not run. 	<ol style="list-style-type: none"> 1. The rotor blades may be damaged. 	<ol style="list-style-type: none"> 1. Check and replace with new ones, if necessary.
<ol style="list-style-type: none"> 1. Severe decrease in reciprocating speed. 	<ol style="list-style-type: none"> 1. The drive motor may be dirty. 	<ol style="list-style-type: none"> 1. Cleaning required.
Note: The consumable parts are the rotor blades and bearings.		

AIR DRILL 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed. 2. Tool will not run.	1. The rotor blades may be damaged, 2. The keyless chuck may be damaged.	1. Check both possibilities and replace with new ones, if necessary.
Note: The consumable parts are the rotor blades and bearings.		
AIR SCREWDRIVER 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. Severe torque loss, but will still run at full free speed, 2. Tool will not run.	1. The rotor blades may be damaged, 2. The screws may be loose. 3. The Reverse Knob may be damaged or not in the right position. 4. The impact mechanism may be damaged.	1. Check both possibilities and replace with new ones, if necessary. 2. Tighten all the loose screws. 3. Check and adjust, or replace with a new one if necessary. 4. Check and replace with a new set, if necessary.
Note: The consumable parts are the rotor blades and bearings.		
AIR HAMMER 1. The tool runs automatically or tool will not shut off. 2. Torque decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. The tool doesn't work	1. The piston may be jammed or damaged. 2. The size of chisel may not be correct.	1. Check and replace the related component when necessary. 2. Check and replace with the correct one.
Note: The consumable parts are the throttle valve and piston.		
HYDRAULIC RIVETER 1. The tool runs automatically or tool will not shut off. 2. Power decreases slightly. 3. Sound of air leaking.	1. Dust jam.	1. Clean and remove the dust from the air inlet. 2. Clean the throttle valve. 3. Apply a few drops of recommended pneumatic oil into the air inlet. 4. Pull the trigger and run for several seconds to get rid of the dust.
1. The tool doesn't work	1. The size of rivet may not be suitable. 2. The size of rivet nose may not be correct.	1. Check and use the correct ones. 2. Check and replace with the correct one!
Note: The consumable parts are the rivet nose, jaw housing, front housing and spring.		

Note:

For more details about the above recommended solutions, please refer to the use'r Manual attached along with each product.

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