

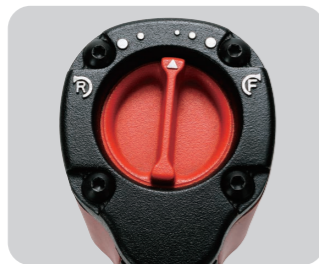
Features

Trigger Switch



Variable output torque control

Output Torque Control Lever



CW rotation : 3 position output torque control
CCW rotation : 2 position output torque control
(AI3120, AI4160, AI6300)

Output Torque Control Lever • Dial



CW rotation : 3 position output torque control
※CCW rotation : output torque is adjusted by trigger switch
(AI4161, AI4200)



Forward / Reverse Rotation Changeover Switch



Forward / Reverse changeover by one push
(AI4161)

Head Swing Mechanism (maximum angle of 10°)



High maneuverability
(AR3100S)

Siebel Inlet



Prevents the inlet rotation from twisting hose
(AI3120, AI4160, AI4161, AI6300, AR3100)

Plastic Grip



Easy to hold and insulate cold
(AR3100, AR3100S)

Comfort Grip



Easy to grip and absorbs shock
(AI3120, AI4160, AI4161, AI6300)

Purpose of Use

AIR RATCHET WRENCH

- Easy driving in confined spaces
- Efficient for consecutive tightening works

AIR IMPACT WRENCH

- Suitable for changing tires of vehicles, and maintaining heavy machine including construction machinery
- For attaching and detaching bolts / nuts in every industrial field

Specifications

Model	sq.dr	Dimensions (mm)	Weight (kg)	Rated Max Torque
AR3100S	9.5mm	w34.8xd28xh128.3	0.49	34N·m
AR3100	9.5mm	w35xd32xh182	0.6	34N·m
AI3120	9.5mm	w161xd57xh170	1.1	350N·m
AI4160	12.7mm	w167xd60xh170	1.2	470N·m
AI4161	12.7mm	w160xd60xh193	1.2	CW rotation : 510N·m CCW rotation : 570N·m
AI4200	12.7mm	w108xd60xh172	1.3	CW rotation : 610N·m CCW rotation : 700N·m
AI6300	19.0mm	w219xd84xh218	3.2	1,600N·m
AIS8330L	25.4mm	w477xd85(188)xh165 () : with side grip	7.0	2,100N·m

8 models available depending on your purpose of use

TONE
BOLTING SOLUTION COMPANY

AIR IMPACT WRENCH AIR RATCHET WRENCH

NEW PRODUCT INFORMATION

A wide range of output torque (34N·m ~ 2,100N·m) Repair & Replacement available with 8 models!!



Manufactured by
TONE CO., LTD.
OSAKA, JAPAN.



ISO 9001:2008 QMS



ISO 14001:2004 EMS

Your Distributor

web site <http://www.tonetool.co.jp>
e-mail: overseas@tonetool.co.jp

Specifications and the design are subject to change without notice.
TONE is certified to ISO9001:2008 and ISO14001:2004.

[FLKA009] 14.12.02.TC

Model	AR3100S	AR3100	AI3120	AI4160	AI4161	AI4200	AI6300	AIS8330L
Rated Max Torque	34N·m	34N·m	350N·m	470N·m	CW rotation 510N·m CCW rotation 570N·m	CW rotation 610N·m CCW rotation 700N·m	1,600N·m	2,100N·m
Weight	0.49kg	0.6kg	1.1kg	1.2kg	1.2kg	1.3kg	3.2kg	7.0kg

TONE CO., LTD.

A wide variety of TONE Wrenches meet your needs!!

AIR IMPACT WRENCH

Model **AI3120**

Rated Max Torque
350N·m

Weight **1.1kg**

Pin Clutch

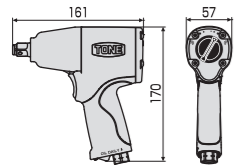
sq.dr
9.5
mm
3/8"



- Alloy magnesium hammer case
- Siebel inlet prevents the inlet rotation from twisting hose
- Output torque is adjusted by a trigger switch
- Special reinforced plastic body
- Comfort grip absorbs shock
- CW rotation : 3 position output torque control
- CCW rotation : 2 position output torque control



Output Torque Control Lever Pin Clutch



Rated Max. Torque*1	350N·m
No-load Speed	11,000min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	720ℓ/min (ntp) 107ℓ/min (op)
Air Inlet	Rc1/4 (PT1/4)
Air Hose Inner Dia.	10mm <
Adaptable Bolts	M12 (Auto Wheel Nut)
Weight	1.1kg(Main Body)

Accessories: plug, oil, instruction manual

AIR IMPACT WRENCH

Model **AI4160**

Rated Max Torque
470N·m

Weight **1.2kg**

Twin Hammer

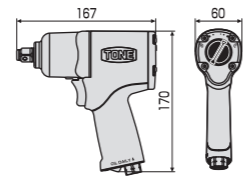
sq.dr
12.7
mm
1/2"



- Alloy magnesium hammer case
- Siebel inlet prevents the inlet rotation from twisting hose
- Output torque is adjusted by a trigger switch
- Special reinforced plastic body
- Comfort grip absorbs shock
- CW rotation : 3 position output torque control
- CCW rotation : 2 position output torque control



Output Torque Control Lever Twin Hammer



Rated Max. Torque*1	470N·m
No-load Speed	10,000min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	858ℓ/min (ntp) 128ℓ/min (op)
Air Inlet	Rc1/4 (PT1/4)
Air Hose Inner Dia.	10mm <
Adaptable Bolts	M16 (Auto Wheel Nut)
Weight	1.2kg (Main Body)

Accessories: plug, oil, instruction manual

AIR IMPACT WRENCH

Model **AI4161**

Rated Max Torque
**510N·m(CW)
570N·m(CCW)**

Weight **1.2kg**

Twin Hammer

sq.dr
12.7
mm
1/2"

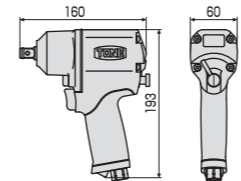


CCW rotation with more output torque enhances performance in loosening tasks
Forward / Reverse changeover by one push

- Alloy aluminum hammer case
- Siebel inlet prevents the inlet rotation from twisting hose
- Output torque is adjusted by a trigger switch
- Special reinforced plastic body
- Comfort grip absorbs shock
- CW rotation : 3 position output torque control
- *CCW rotation : output torque is adjusted by trigger switch



Output Torque Control Lever Twin Hammer



Rated Max. Torque*1	510N·m(CW) 570N·m(CCW)
No-load Speed	10,000min ⁻¹ [rpm](CW) 11,000min ⁻¹ [rpm](CCW)
Air Pressure	0.62MPa
Max Air Consumption*2	915ℓ/min (ntp) 136ℓ/min (op)
Air Inlet	Rc1/4 (PT1/4)
Air Hose Inner Dia.	10mm <
Adaptable Bolts	M16 (Auto Wheel Nut)
Weight	1.2kg (Main Body)

Accessories: plug, oil, instruction manual

AIR IMPACT WRENCH, SHORT TYPE

Model **AI4200**

Rated Max Torque
**610N·m(CW)
700N·m(CCW)**

Weight **1.3kg**

Powerful Hammer

sq.dr
12.7
mm
1/2"

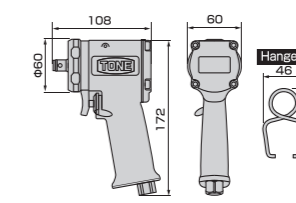
NEW Extremely compact, yet with high power!!



- Extremely short body with max output torque of 700N·m
- Alloy aluminum hammer case
- One-hand operation & Left-hand operation available
- Compact body, yet powerful by big hammer



Output Torque Adjusting Dial Rotation Changeover Lever With Hanger



Rated Max. Torque*1	610N·m(CW) 700N·m(CCW)
No-load Speed	10,000min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	845ℓ/min (ntp) 127ℓ/min (op)
Air Inlet	Rc1/4 (PT1/4)
Air Hose Inner Dia.	10mm <
Adaptable Bolts	M20 (Auto Wheel Nut)
Weight	1.3kg (Main Body)

Accessories: plug, oil, instruction manual, hanger

AIR IMPACT WRENCH

Model **AI6300**

Rated Max Torque
1,600N·m

Weight **3.2kg**

Twin Hammer

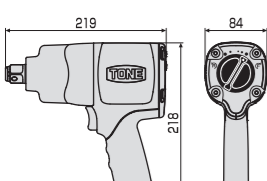
sq.dr
19.0
mm
3/4"



- Alloy magnesium hammer case
- Siebel inlet prevents the inlet rotation from twisting hose
- Output torque is adjusted by a trigger switch
- Special reinforced plastic body
- Comfort grip absorbs shock
- CW rotation : 3 position output torque control
- CCW rotation : 2 position output torque control



Output Torque Control Lever Twin Hammer



Rated Max. Torque*1	1,600N·m
No-load Speed	5,750min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	1,300ℓ/min (ntp) 193ℓ/min (op)
Air Inlet	Rc3/8 (PT3/8)
Air Hose Inner Dia.	13mm <
Adaptable Bolts	M30 (Class 8.8)
Weight	3.2kg (Main Body)

Accessories: plug, oil, instruction manual

AIR IMPACT WRENCH, STRAIGHT TYPE

Model **AI8330L**

Rated Max Torque
2,100N·m

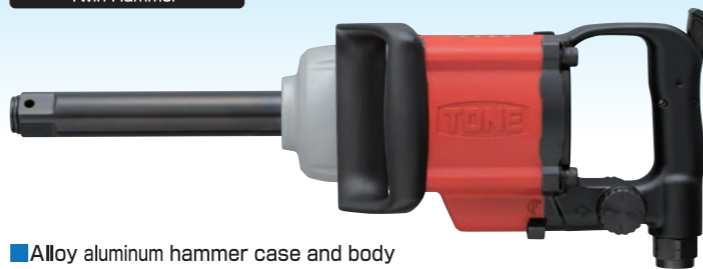
Weight **7.0kg**

Twin Hammer

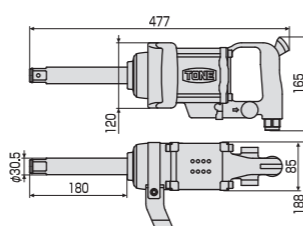
sq.dr
25.4
mm
1"



1 Forward / Reverse Rotation Changeover Switch
2 Output Torque Control Dial Twin Hammer



- Alloy aluminum hammer case and body
- Side grip enhances stability
- Output torque is adjusted by a trigger switch
- CW rotation : 4 position output torque control
- CCW rotation : 4 position output torque control
- Long anvil can reach to deep places



Rated Max. Torque*1	2,100N·m
No-load Speed	4,500min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	1,510ℓ/min (ntp) 224ℓ/min (op)
Air Inlet	Rc1/2 (PT1/2)
Air Hose Inner Dia.	19mm <
Adaptable Bolts	M33 (Class 8.8)
Weight	7.0kg (Main Body)

Accessories: plug, oil, side grip set, hex key wrench, instruction manual

STUBBY AIR RATCHET WRENCH

Model **AR3100S**

Rated Max Torque
34N·m

Weight **0.49kg**

sq.dr
9.5
mm
3/8"

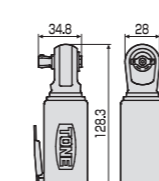
Compact size (128.3 mm in length) & fit in your hand

Swing Mechanism

- Swing mechanism achieves high workability in confined spaces
- Output torque is adjusted by a trigger switch
- Plastic grip cover for easy grip
- Changeover switch equipped
- Ball socket attachment



Changeover Switch Swing Mechanism



Rated Max. Torque*1	34N·m
No-load Speed	300min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	510ℓ/min (ntp) 75.4ℓ/min (op)
Air Inlet	Rc1/4 (PT1/4)
Air Hose Inner Dia.	10mm <
Adaptable Bolts	M10 (Class 4.6)
Weight	0.49kg (Main Body)

Accessories: plug, oil, instruction manual

AIR RATCHET WRENCH

Model **AR3100**

Rated Max Torque
34N·m

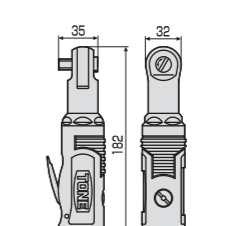
Weight **0.6kg**

sq.dr
9.5
mm
3/8"

- Siebel inlet prevents the inlet rotation from twisting hose
- Output torque is adjusted by a trigger switch
- Double molding grip prevents slipping (elastomer)
- Changeover switch equipped
- Ball socket attachment



Changeover Switch



Rated Max. Torque*1	34N·m
No-load Speed	280min ⁻¹ [rpm]
Air Pressure	0.62MPa
Max Air Consumption*2	490ℓ/min (ntp) 72.2ℓ/min (op)
Air Inlet	Rc1/4 (PT1/4)
Air Hose Inner Dia.	10mm <
Adaptable Bolts	M10 (Class 4.6)
Weight	0.6kg (Main Body)

Accessories: plug, oil, instruction manual

*1 Max tightening torque will vary according to working conditions.

*2 Max air consumption (ntp) is converted figures of air consumption in the standard reference atmosphere as being 0°C and 0.1 MPa. Max air consumption (op) is measured under standard operation conditions as being 20°C and 0.62 MPa.

*Use compressor with holding air tank. Motor output of air compressor is recommended to be more than 0.75kW (1PS).

*Please refer to instruction manual about tightening torque. If tightening torque designated, pre-tighten at low torque and fasten at recommended torque value in a correct order. Extensive tightening of bolts/ nuts may result in crack or breakage.