

**Air
Boss®**
Lighter Better



Product Catalog

AW SERIES

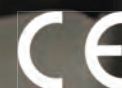
AW Magnesium Alloy Lightweight
& Patented Product Series



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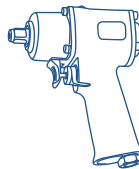
WEBSITE



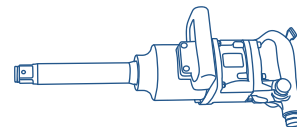
The torque chart is made based on the measurement of our standard, and the actual fastening power can be different. Please use this chart as a reference when selecting the model.



LEVER-START
STRAIGHT TYPE



PISTOL TYPE



STRAIGHT TYPE

AW-SCREWDRIVER SERIES

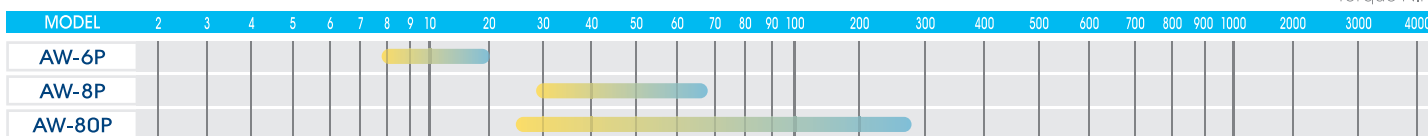
LEVER-START STRAIGHT TYPE

Torque N.M



PISTOL TYPE

Torque N.M



AW-WRENCH SERIES

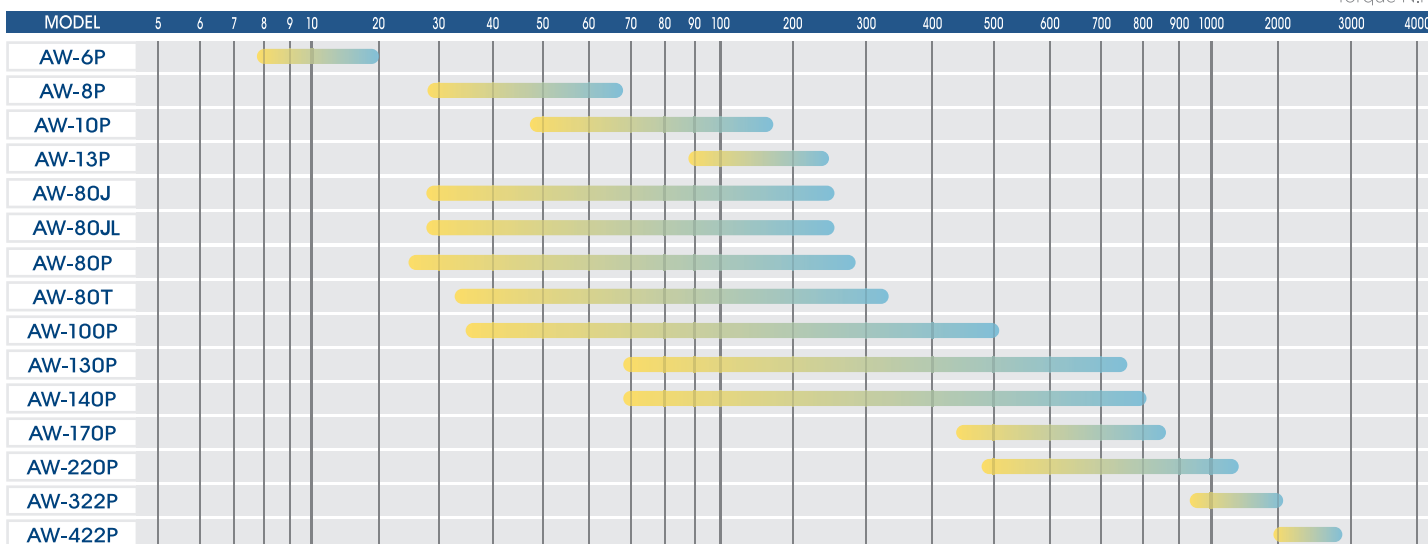
LEVER-START STRAIGHT TYPE

Torque N.M



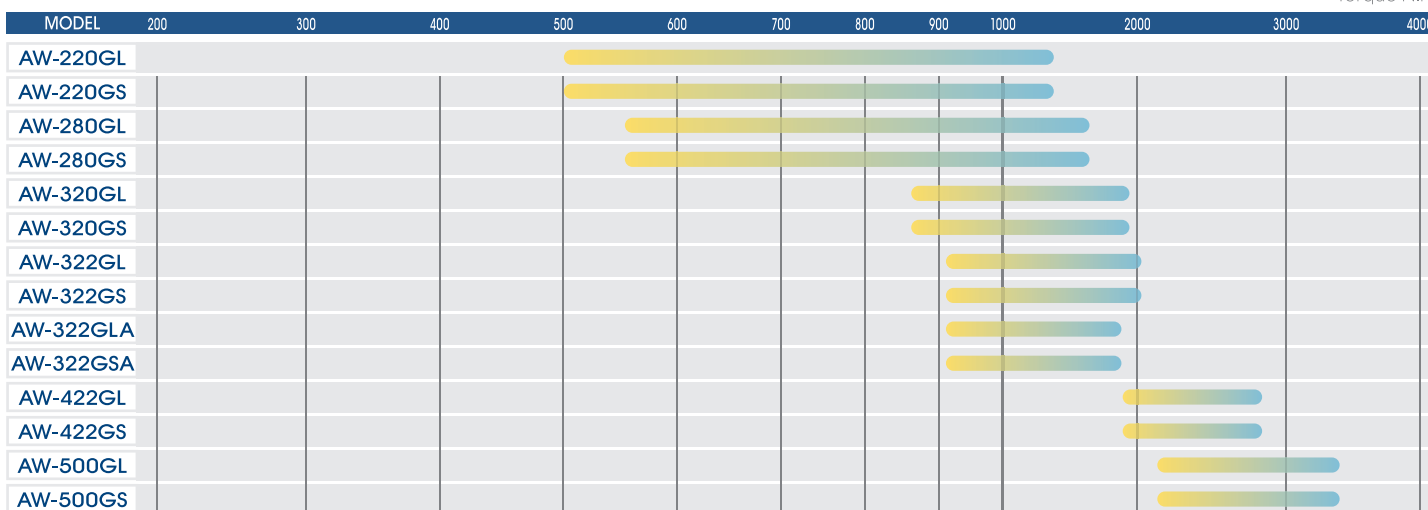
PISTOL TYPE

Torque N.M



STRAIGHT TYPE

Torque N.M



AW-80JL

Right Angle Impact Wrench

30-40% Higher Torque
Max Torque of 550N.M (406 ft-lb)
High Efficiency Tool for Tightening Bolt
Reduce 60% of Vibration with Gearless Transmission Design



**PERFECT IN
LIMITED SPACE**

INFORMATION

Model AW-80JL	Bolt Capacity	Clutch Type	Free Speed	SuitableTorque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m³/min	PT(in.)	mm	kg/cm²
3/8"	13-15	Jumbo Hammer	9000	21-190	29-260	375	510	84	2.93	1.33	0.3	1/4"	6.4	6.3
1/2"	15	Jumbo Hammer	9000	25-225	34-306	406	550	87	2.95	1.34	0.3	1/4"	6.4	6.3

*The above data is for reference only, please refer to the actual measurement

AW-322GLA

1" Light Weight Air Impact Wrench

Patented Motor of Lower Wear Out
Weight 25% Lighter with Exclusive Patent Design
Magnesium Alloy Housing to replace traditional heavy weight product.
Vital Component Parts from Europe, U.S. and Japan
Tool Life Extended 150%



**BRAND NEW
DIAMOND SHAPE
DESIGN CLUTCH HOUSING**

INFORMATION Available in Inner/ Outer Trigger version

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-322GLA	41	Swing Hammer	5500	668-1459	906-1978	2100	2847	530	19.8	9.1	0.6	1/2"	12.7	6.3
AW-322GSA	41	Swing Hammer	5500	668-1459	906-1978	2100	2847	370	18.5	8.5	0.6	1/2"	12.7	6.3

*The above data is for reference only, please refer to the actual measurement



AW-80J

Mini Air Impact Wrench

Lighter Better
35% Shorter
100% Motor Life Extended

ONLY 84mm (3.3")

**WORLD
SHORTEST MINI
IMPACT WRENCH**

INFORMATION

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m³/min	PT(in.)	mm	kg/cm²
AW-80J 3/8"	13-15	Jumbo Hammer	9000	21-190	29-260	375	510	84	2.44	1.11	0.3	1/4"	6.4	6.3
AW-80J 1/2"	15	Jumbo Hammer	9000	25-225	34-306	406	550	87	2.46	1.12	0.3	1/4"	6.4	6.3
AW-90J 3/8"	15	Jumbo Hammer	9000	25-255	34-345	473	640	99	2.95	1.34	0.3	1/4"	6.4	6.3
AW-90J 1/2"	15	Jumbo Hammer	9000	25-268	34-363	496	670	99	2.95	1.34	0.3	1/4"	6.4	6.3

*The above data is for reference only, please refer to the actual measurement

AW-80T

1/2" Mini Air Impact Wrench

30% Shorter
Stronger Torque
Essential Handy Tool

ONLY 95mm (3.7")

**PATENTED
STEEL MOTOR**

INFORMATION

Model	Bolt Capacity		Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
		mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-80T	3/8"	15	Twin Hammer	9000	25-231	34-314	428	580	95	2.62	1.19	0.3	1/4"	6.4	6.3
	1/2"	15	Twin Hammer	9000	25-243	34-330	450	610	95	2.62	1.19	0.3	1/4"	6.4	6.3
AW-100T	1/2"	18	Twin Hammer	7500	25-369	34-500	598	810	106	4.00	1.80	0.3	1/4"	6.4	6.3

*The above data is for reference only, please refer to the actual measurement

1/4" Screwdriver // Straight Type & Pistol Type



AW-6



AW-6P



AW-8P



AW-80P

3/8" Air Impact Wrench // Straight Type & Pistol Type



AW-6



AW-6P



AW-8P



AW-80P

INFORMATION

Model		Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
		mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m³/min	PT(in)	mm	kg/cm²
AW-6	1/4"	6	Twin Dog	8500	5.2-13.3	7-18	-	-	202	2	0.9	0.3	1/4"	10	6.3
	3/8"								202						
AW-6P	1/4"	6	Twin Dog	10000	6-15	7.8-20	-	-	162	2.2	1	0.35	1/4"	10	6.3
	3/8"								155						
AW-8P	1/4"	8	Twin Dog	7400	21-50	28-68	-	-	162	2.9	1.3	0.4	1/4"	10	6.3
	3/8"								155						
AW-80P	1/4"	14	Twin Hammer	7800	18-207	25-280	221	300	141	2.6	1.2	0.3	1/4"	6.4	6.3
	3/8"								140						

*The above data is for reference only, please refer to the actual measurement

1/2" Air Impact Wrench Pistol Type



AW-8P



AW-10P



AW-13P



AW-80P



AW-100P



AW-130P



AW-140P

INFORMATION

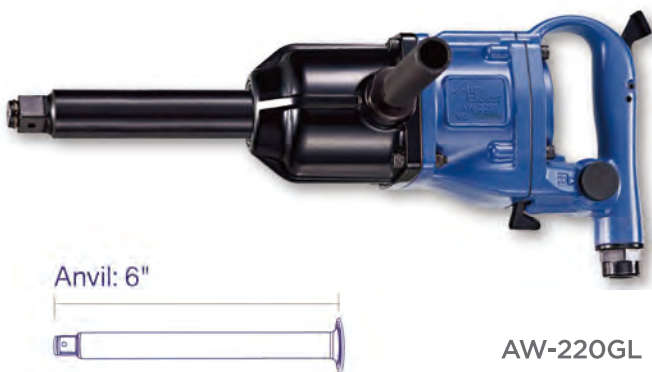
Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-8P	8	Twin Dog	7400	21 - 50	28 - 68	-	-	155	2.9	1.5	0.4	1/4"	10	6.3
AW-10P	10-12	Twin Dog	5500	35 - 130	47 - 175	-	-	175	4.8	2.2	0.45	1/4"	10	6.3
AW-13P	13	Twin Dog	5200	65 - 178	88 - 240	-	-	198	5.3	2.4	0.55	1/4"	10	6.3
AW-80P	14	Twin Hammer	7800	18 - 207	25-280	221	300	140	2.6	1.2	0.3	1/4"	6.4	6.3
AW-100P	18	Twin Hammer	7500	25 - 369	34-500	598	810	160	3.9	1.8	0.3	1/4"	6.4	6.3
AW-100PL	18	Twin Hammer	7500	25 - 369	34-500	598	810	202	4.2	1.9	0.3	1/4"	6.4	6.3
AW-130P	19	Twin Hammer	6200	50 - 552	68 - 746	780	1054	164	4.82	2.19	0.68	1/4"	6.4	6.3
AW-130PL	19	Twin Hammer	6200	50 - 552	68 - 746	780	1054	206	4.95	2.23	0.68	1/4"	6.4	6.3
AW-140P	19	Twin Hammer	6700	50-596	68-808	1372	1860	166	5.1	2.3	0.68	1/4"	6.4	6.3
AW-140PL	19	Twin Hammer	6700	50-596	68-808	1372	1860	208	5.17	2.35	0.68	1/4"	6.4	6.3

*The above data is for reference only, please refer to the actual measurement

3/4" Air Impact Wrench Pistol Type



3/4" Air Impact Wrench Straight Type



INFORMATION Above Straight Type are available in Inner/ Outer Trigger version

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m³/min	PT(in.)	mm	kg/cm²
AW-170P	23	Twin Hammer	6600	310 - 620	420 - 840	885	1200	227	7.0	3.2	0.4	3/8"	9.5	6.3
AW-170PL	23	Twin Hammer	6600	310 - 620	420 - 840	885	1200	325	8.1	3.7	0.4	3/8"	9.5	6.3
AW-220P	30	Twin Hammer	4800	349 - 929	473 - 1260	1328	1800	220	9.9	4.5	0.5	3/8"	9.5	6.3
AW-220PL	30	Twin Hammer	4800	349 - 929	473 - 1260	1328	1800	342	11.4	5.2	0.5	3/8"	9.5	6.3
AW-220GL	30	Twin Hammer	4500	369 - 959	500 - 1300	1328	1800	428	11.7	5.3	0.5	1/2"	12.7	6.3
AW-220GS	30	Twin Hammer	4500	369 - 959	500 - 1300	1328	1800	310	10.8	4.9	0.5	1/2"	12.7	6.3

*The above data is for reference only, please refer to the actual measurement

AW-280GL

1" Light Weight Air Impact Wrench

Durable Motor – 100% Motor Life Extended
Ergonomic designed, User Friendly
Only 6.5 KG lightweight for Commercial Vehicles, Vans,
SUV and Railway constructions



PATENTED STEEL MOTOR

INFORMATION Available in Inner/ Outer Trigger version

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-280GL	38	Twin Hammer	4500	405 - 1107	550 - 1500	1475	2000	508	16.1	7.3	0.5	1/2"	12.7	6.3
AW-280GS	38	Twin Hammer	4500	405 - 1107	550 - 1500	1475	2000	407	14.3	6.5	0.5	1/2"	12.7	6.3

*The above data is for reference only, please refer to the actual measurement

1" Air Impact Wrench Pistol Type



AW-220P



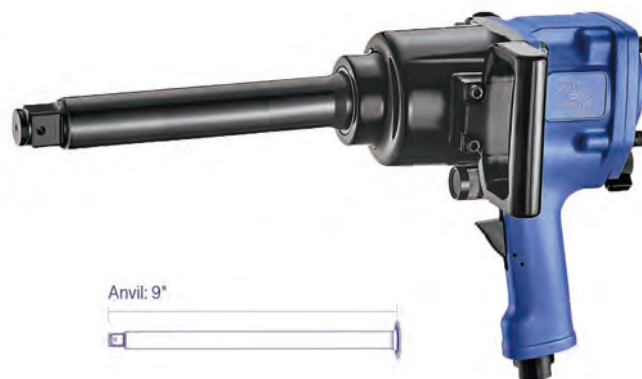
AW-322P



AW-322PL



AW-422P



AW-422PL

INFORMATION

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-220P	30	Twin Hammer	4800	349 - 929	473 - 1260	1328	1800	220	9.9	4.5	0.5	3/8"	9.5	6.3
AW-220PL	30	Twin Hammer	4800	349 - 929	473 - 1260	1328	1800	342	11.4	5.2	0.5	3/8"	9.5	6.3
AW-322P	41	Swing Hammer	4200	668 - 1459	906 - 1978	1852	2500	290	19.2	8.7	0.6	1/2"	12.7	6.3
AW-322PL	41	Swing Hammer	4200	668 - 1459	906 - 1978	1852	2500	426	22	10	0.6	1/2"	12.7	6.3
AW-422P	56	Swing Hammer	3000	1367 - 2005	1854 - 2720	2555	3450	315	26.8	12.2	0.6	1/2"	12.7	6.3
AW-422PL	56	Swing Hammer	3000	1367 - 2005	1854 - 2720	2555	3450	517	31.2	14.2	0.6	1/2"	12.7	6.3

*The above data is for reference only, please refer to the actual measurement

1" Air Impact Wrench Straight Type



INFORMATION Above all models are available in Inner/ Outer Trigger version.

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-220GL	30	Twin Hammer	4500	369 - 959	500 - 1300	1328	1800	428	11.6	5.3	0.5	1/2"	12.7	6.3
AW-220GS	30	Twin Hammer	4500	369 - 959	500 - 1300	1328	1800	310	10.8	4.9	0.5	1/2"	12.7	6.3
AW-280GL	38	Twin Hammer	4500	405 - 1107	550 - 1500	1475	2000	508	16.1	7.3	0.5	1/2"	12.7	6.3
AW-280GS	38	Twin Hammer	4500	405 - 1107	550 - 1500	1475	2000	407	14.3	6.5	0.5	1/2"	12.7	6.3

*The above data is for reference only, please refer to the actual measurement

1" Air Impact Wrench Straight Type



AW-320GL



AW-320GS



AW-322GL



AW-322GS



AW-322GLA



AW-322GSA

INFORMATION Above all models are available in Inner/ Outer Trigger version.

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m ³ /min	PT(in.)	mm	kg/cm ²
AW-320GL	40	Twin Hammer	4200	634 - 1416	860 - 1920	1771	2400	520	20.1	9.1	0.6	1/2"	12.7	6.3
AW-320GS	40	Twin Hammer	4200	634 - 1416	860 - 1920	1771	2400	380	18.9	8.6	0.6	1/2"	12.7	6.3
AW-322GL	41	Swing Hammer	5250	668 - 1459	906 - 1978	2100	2847	530	22	9.8	0.6	1/2"	12.7	6.3
AW-322GS	41	Swing Hammer	5250	668 - 1459	906 - 1978	2100	2847	370	19	8.6	0.6	1/2"	12.7	6.3
AW-322GLA	41	Swing Hammer	5500	668 - 1459	906 - 1978	2100	2847	530	19.8	9.1	0.6	1/2"	12.7	6.3
AW-322GSA	41	Swing Hammer	5500	668 - 1459	906 - 1978	2100	2847	370	18.5	8.5	0.6	1/2"	12.7	6.3

*The above data is for reference only, please refer to the actual measurement

1" Air Impact Wrench // Straight Type



AW-422GL



AW-422GS



AW-452GL

Anvil: 1 1/2"

AW-452GS

1-1/2" Air Impact Wrench // Straight Type



AW-500GS



AW-500GL

Anvil: 8"

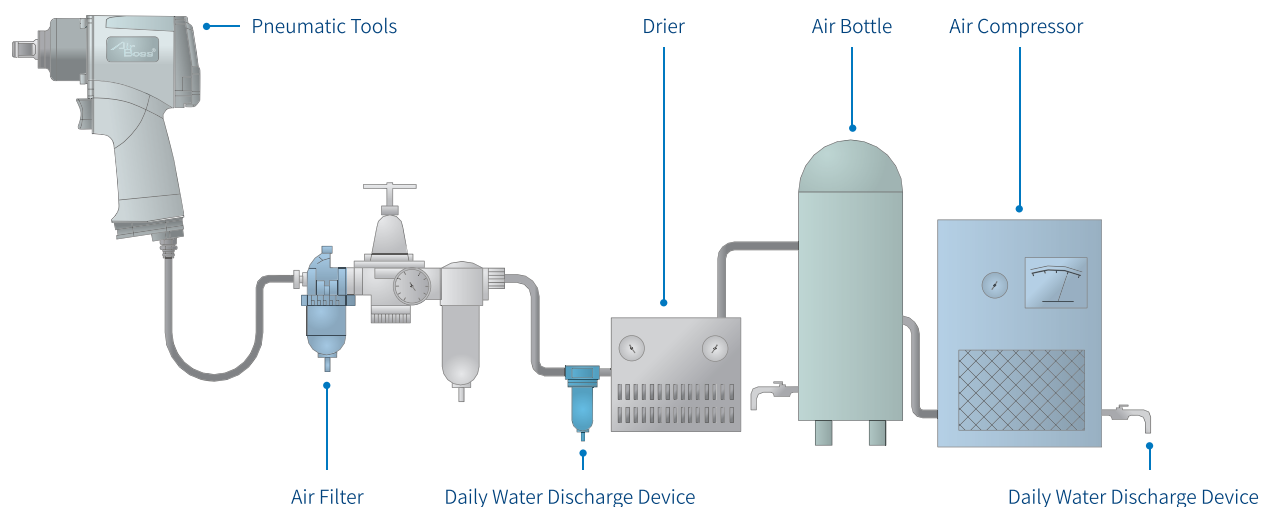
INFORMATION Above all models are available in Inner/ Outer Trigger version.

Model	Bolt Capacity	Clutch Type	Free Speed	Suitable Torque		Max Torque		Overall Length	Net Weight		Air Consumption	Air Inlet	Air Hose	Air Pressure
	mm	Mechanism	r.p.m.	ft-lb	N.M.	ft-lb	N.M.	mm	lbs	kg	m³/min	PT(in.)	mm	kg/cm²
AW-422GL	56	Swing Hammer	3000	1367-2005	1854-2720	2555	3450	605	30.1	13.7	0.6	1/2"	12.7	6.3
AW-422GS	56	Swing Hammer	3000	1367-2005	1854-2720	2555	3450	453	25.8	11.7	0.6	1/2"	12.7	6.3
AW-452GL	60	Swing Hammer	3000	1581-2317	2142-3139	2878	3900	636	35.2	16	0.7	1/2"	19	6.3
AW-452GS	60	Swing Hammer	3000	1581-2317	2142-3139	2878	3900	462	31.9	14.5	0.7	1/2"	19	6.3
AW-500GL	56	Twin Hammer	3000	1367-3900	1854-5288	5000	6779	625	36.9	16.7	0.6	1/2"	19	6.3
AW-500GS	56	Twin Hammer	3000	1367-3900	1854-5288	5000	6779	490	33.1	14.9	0.6	1/2"	19	6.3

*The above data is for reference only, please refer to the actual measurement

AIR SUPPLY SYSTEM & CONVERSION TABLE

AIR SUPPLY SYSTEM



Precautions

1. To ensure the product life, we strongly recommend setting three-point combination and air drier in the air compressor pipeline.
2. Be sure to discharge the water from the air compressor and air filter.
3. Check the pneumatic tools every day. Before use, add appropriate lubricant to air inlet. No high viscose lubricant or the power of the tools may decrease.
4. Fill only little high temperature lubricant into the front clutch every week to ensure proper lubricating and resistance to abrasion.
5. The applicable air pressure is 6.3 kg/cm² (90 psi), too high or too low air pressure may influence the performance and product life.
6. Please wear safe glasses before operation.

THREAD ☐ NPT (USA) ☐ PF (Europe) ☐ BSPP/BSPT (Europe) ☐ PT (Asia)

CONVERSION TABLE

Unit to Convert	Torque									Air Pressure				
	Imperial			International System - S.I.			Metric							
	ozf - in	lbf - in	lbf - ft	mN - m	cN - m	N - m	gf - cm	kgf - cm	kgf - m	pa	Mpa	bar	psi	kg/cm
mN - m	0.142	0.009	0.0007	1	0.1	0.001	10.2	0.01	0.0001	1000.000	1	10	145	10.197
cN - m	1.416	0.088	0.007	10	1	0.01	102	0.102	0.001					
N - m	141.6	8.851	0.738	1000	100	1	10197	10.20	0.102	100.000	0.1	1	14.5	1.0197
ozf - in	1	0.0625	0.005	7.062	0.706	0.007	72	0.072	0.0007					
lbf - in	16	1	0.083	113	11.3	0.113	1152.1	1.152	0.0115	620.000	0.62	6.2	90	6.3
lbf - ft	192	12	1	1356	135.6	1.356	13826	13.83	0.138					
gf - cm	0.014	0.0009	0.00007	0.098	0.01	0.0001	1	0.001	0.00001	98.070	0.09807	0.9807	14.223	1
kgf - cm	13.89	0.868	0.072	98.07	9.807	0.098	1000	1	0.01					
kgf - m	1389	86.8	7.234	9807	980.7	9.807	100000	100	1	6.890	0.00689	0.0689	1	0.0703

Millimeters / Inches				Length			Air Consumption			Weight	
mm	Inch	mm	Inch	mm	Inch	ft	m³/min	scfm (ft³/min)	1cfm=1scfm*k	lb	kg
0.397	1/64"	6.350	1/4"	1	0.0394	0.0033	1	35.317	K=0.1404	1	0.45359
0.794	1/32"	12.70	1/2"	25.4	1	0.0833					
1.588	1/16"	19.050	3/4"				304.801	12	1	0.0283	1
3.175	1/8"	25.400	1"								