

Industrial Tools



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HONG BING PNEUMATIC INDUSTRY CO., LTD.



Established in Shan-Kang Dist., Taichung City in 1974, originally named "Hong-Bing Iron Works Company", focus on OEM for hand tool accessory. Start manufacturing air tool in 1979. Hong Bing Pneumatic Industry Co., Ltd was founded in 1987 as professional air tools manufacture factory.

HONG BING has been approved by ISO 9001(SGS) and CE (TUV). HONG BING has gathered many years experience of R&D and Q.C., while engaging in innovative and stabilizing quality. On production facility, we use automatic and semi-automatic CNC, and strictly manufacturing key spare parts. It will increase the good rate and accurate.

HONG BING is your best choice for industrial applications of pneumatic tools.

1974年始創於台中市神岡區，原名「宏斌鐵工廠」初期專精於手工具零件代工製造。1979年投入氣動工具製造，於1987年創立「宏斌氣動工業股份有限公司」專業生產氣動工具。

宏斌已通過 ISO 9001(SGS)、CE (TUV) 認證。在研發設計與品管作業，累積多年來的經驗，積極創新產品與穩定產品品質。在生產設備方面，採用全自動與半自動化設備加工，嚴格製造關鍵性零組件，有效提升產品良率及精準度。

宏斌對於氣動力學的工具與工業設備都會是您在工業應用領域中最佳的選擇。

CONVERSION CHART / 單位換算表

• LENGTH / 長度

1in=0.02554 m
1ft=12 in

1 m = $\begin{cases} 39.3701 \text{ in} \\ 3.28084 \text{ ft} \end{cases}$

• WEIGHT / 重量

1lb=0.453592 kg
1kg=2.20462 ft

• TORQUE / 扭力

1kgm=9.80665 Nm
1lbf=1.35582 Nm
1ft-lbs=0.138 kg-m

1Nm = $\begin{cases} 0.101972 \text{ kgm} \\ 0.7375562 \text{ lbf x ft} \end{cases}$

• PRESSURE / 壓力

1bar=100 kPa
1kg/cm²(at)=98.0665 kPa
1psi=6.89476 kPa

1kPa = $\begin{cases} 0.01\text{bar} \\ 0.0101972 \text{ kg/cm}^2 \text{ (at)} \\ 0.145038 \text{ psi} \end{cases}$

• POWER / 功率

1kpm/s=9.80665 w
1kcal/s=4.1868 kw
1kcal/h=1.163 w
1hk=735.499 w
1hp=745.7 w

1kw = $\begin{cases} 101.972 \text{ kpm/cm}^2 \text{ (at)} \\ 0.238846 \text{ kcal/s} \\ 859.845 \text{ kcal/h} \\ 1.35962 \text{ hk} \\ 1.34102 \text{ hp} \end{cases}$

• FLOW / 流率

1m³/min=16.6667 L/s=35.335 cfm
1cfm=0.471947 L/s=0.0283 m³/min 1L/s=201189cfm
1m³/min=0.277778 L/s

Air Screwdriver and Air Wrench Selection Guide

氣動螺絲起子與
氣動扳手選用建議

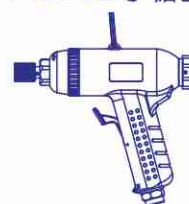
ANGLE 彎頭型



STRAIGHT 直柄型



PISTOL 手槍型



IMPACT SCREWDRIVER 衝擊型螺絲起子

MODEL 型 號					301L90	301A1	310LHA	100A1
					305	301AH	311LHA	308W
					320	808A1	306	308DA1
					403LN	602A	309	310DA
						301LA1	310F	100LA1
						601A	809A1	406LW
						407LN	306SL	411LN
						601L	309L	310LDA
							310LF	409WA1
							406LN	605DA

CLUTCH TYPE SCREWDRIVER 離合型螺絲起子

MODEL 型 號					304L90	302L90	103G	
					103	5CLA15	301LCG	
					304A1	302	2C8425	
					304B1	306G		
					314A1	5C1419		
					5C1108	5C1515		
					5C1218	405LN		
					301LC	5C5124		
					404LN	5C5415		

TORQUE CONTROL SCREWDRIVER 扭力控制型螺絲起子

MODEL 型 號	106A	106B		2S2110	5SLA15	5SLA08	2S4304	
				5S1515C	2S3215	5S5108A		
				5S5115C	5S1508B	5S1508A		
					5S1515B	2S3208		
					5S5108B	2S4307		
					5S5115B			
SCREW SIZE 螺絲尺寸	2mm	2.5mm	3mm	3.5mm	4mm	5mm	6mm	8mm

IMPACT WRENCH 衝擊型扳手

MODEL 型 號	301LB90	301B3	310LH3	100LH	100B	130LH4	130B	603D	936D2	912D2	913D2	914D2
	808LH3	301LB3	311LH3	308DW	308B	906D4	131LB	908D			915DA	
		403LB3	306B	310DB4	814	100LB		909D				
			309B	310LD4	308LB			909B				
			310B3	409WHA	408LB							
			809B1	310LB3								
			602B	406LB								
			306SL1	605D4								
			309LB									
			407LB									
			601B									
BOLT SIZE 螺栓尺寸	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30
NUT SIZE 螺帽尺寸	10mm	13mm	17mm	19mm	22mm	24mm	27mm	30mm	32mm	36mm	41mm	46mm



Air Screwdriver Two Hammer Type

氣動螺絲起子:雙鎚式

F Type: 

Q Type: 

■ High impact frequency.

■ Low Counteraction

APPLICATION :

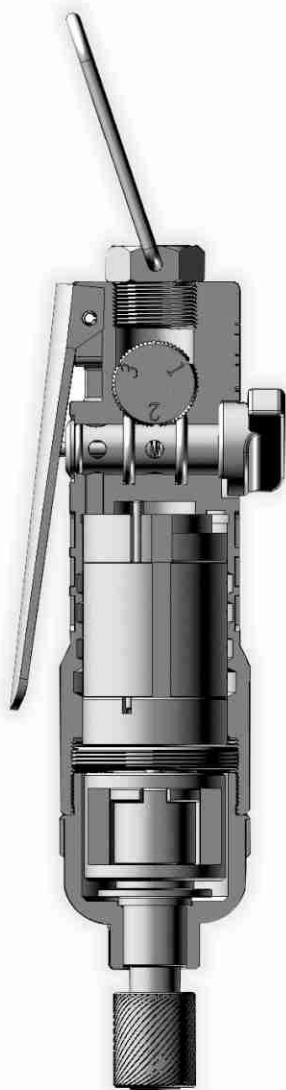
■ Especially in heavy-productive industries (rattan, carpentry, electric, motor, aluminum, and hardware).

■ 沖擊頻率高

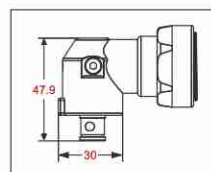
■ 反作用力小

用 途 :

■ 高量產工業尤佳(藤器、木器、馬達、鋁製品、五金工業等)



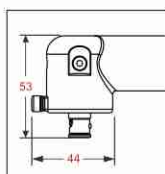
OP-301L90 F
Rear exhaust
後排氣



UNIT : (mm)



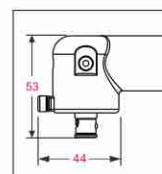
OP-310LHA F
Side exhaust
側排氣



UNIT : (mm)



OP-311LHA F
Rear exhaust
後排氣



UNIT : (mm)

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Screw Size Capacity 螺絲 攻拆尺寸 mm	Working Torque 工作扭力 Nm ft-lb	MAX. Torque 最大扭力 Nm ft-lb	Free Speed 無負荷轉速 rpm	Air Consumption 耗 氣 量 l/min cfm	Overall Length 全 長 mm inch	Air Inlet 入氣接頭 P.T	Net Weight 重 量 kg lb	Sound Level 噪音值 dB(A)
OP-301L90	4	15 11	40 30	9000	141 5	240 9.45	1/4	1.22 2.69	83
OP-310LHA	5~6	40 29	130 96	7000	198 7	240 9.45	1/4	1.6 3.53	92
OP-311LHA	5~6	40 29	90 66	8500	240 8.5	265 10.43	1/4	1.56 3.44	90



Air Screwdriver Two Hammer Type

氣動螺絲起子:雙鎚式

F Type:  9.5

Q Type:  13



OP-320 Q
Push to start type
Rear exhaust
觸壓啟動式
後排氣



OP-305 Q
Side exhaust
側排氣



OP-808A1 OP-808 Q
Rear exhaust with muffler
後排氣低噪音



OP-301A1 OP-301 Q
Side exhaust
側排氣



OP-301AH OP-301H Q
Rear exhaust
後排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸	Working Torque 工作扭力		MAX. Torque 最大扭力		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-320	4	15	11	30	22	9000	127	4.5	195	7.68	1/4	0.67	1.48	80
OP-305	4	20	14	30	22	12500	141	5	170	6.69	1/4	0.57	1.26	89
OP-808	4~5	20	15	35	26	10000	127	4.5	190	7.48	1/4	0.76	1.68	71
OP-808A1	4~5	20	15	35	26	10000	127	4.5	200	7.87	1/4	0.76	1.68	71
OP-301	4~5	25	18	35	26	12000	127	4.5	178	7	1/4	0.7	1.54	89
OP-301A1	4~5	25	18	35	26	12000	127	4.5	185	7.28	1/4	0.7	1.54	89
OP-301H	4~5	25	18	40	30	9000	141	5	190	7.48	1/4	0.79	1.74	85
OP-301AH	4~5	25	18	40	30	9000	141	5	200	7.87	1/4	0.79	1.74	85



Air Screwdriver Two Hammer Type

氣動螺絲起子:雙鎚式

F Type: 

Q Type: 



OP-306 Q
OP-306F F

Rear exhaust
後排氣



OP-809A1 Q

Rear exhaust with muffler
後排氣低噪音



OP-309Q Q
OP-309 F

Side exhaust
側排氣



OP-310Q Q
OP-310F F

2 Step pushstart trigger
Side exhaust
二段式扳機啟動
側排氣



OP-100A1 Q

2 Step pushstart trigger
Rear exhaust
二段式扳機啟動
後排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸	Working Torque 工作扭力		MAX. Torque 最大扭力		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-306	6	45	33	200	148	8000	212	7.5	225	8.85	1/4	1.06	2.34	90
OP-809A1	6	45	33	130	96	8000	184	6.5	230	9.06	1/4	1.2	2.65	79
OP-309	6	45	33	200	148	8300	212	7.5	205	8.07	1/4	1	2.2	94
OP-310F	6~8	60	44	240	177	8000	254	9	200	7.87	1/4	1.06	2.38	97
OP-100A1	8	75	55	280	207	5500	240	8.5	265	10.43	1/4	1.7	3.75	85



Air Screwdriver Two Hammer Type

氣動螺絲起子:雙鎚式

F Type: 

Q Type: 



OP-403LN Q
Handle exhaust
下排氣



OP-301L Q
Handle exhaust
下排氣



OP-301LA1 Q
Handle exhaust
下排氣



OP-601A Q
Handle exhaust
下排氣



OP-306SL Q
OP-306SLF F
Side exhaust
側排氣



OP-309LQ Q
OP-309L F
Side exhaust
側排氣



OP-406LN Q
Handle exhaust
下排氣



OP-310LQ Q
OP-310LF F
Side exhaust
側排氣



OP-100LA1 Q
Side exhaust
側排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	Working Torque 工作扭力 Nm ft-lb	MAX. Torque 最大扭力 Nm ft-lb	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量 l/min cfm	Overall Length 全長 mm inch	Air Inlet 入氣接頭 P.T	Net Weight 重量 kg lb	Sound Level 噪音值 dB(A)
OP-403LN	4	20 15	30 22	11500	170 6	155 6.1	1/4	0.9 1.98	87
OP-301L	4~5	25 18	35 26	13000	198 7	143 5.63	1/4	0.9 1.98	88
OP-301LA1	4~5	25 18	35 26	13000	198 7	150 5.9	1/4	0.9 1.98	88
OP-601A	4~5	25 18	35 26	13000	170 6	155 6.1	1/4	0.86 1.9	82
OP-306SL	6	50 37	200 148	7500	226 8	190 7.48	1/4	1.2 2.65	94
OP-309L	6	50 37	200 148	7700	198 7	195 7.68	1/4	1.3 2.87	89
OP-406LN	6	50 37	150 111	8000	212 7.5	165 6.5	1/4	1.2 2.65	87
OP-310LF	6~8	60 44	240 177	7700	240 8.5	195 7.68	1/4	1.38 3.04	93
OP-100LA1	8	95 70	300 221	4800	240 8.5	185 7	1/4	2.24 4.94	92



Air Screwdriver Twin Ring Type

氣動螺絲起子：雙環式

- High torque
- Long lasting

APPLICATION :

- Apply to heavy-productive assembly line of car and motor.

F Type:

Q Type:

- 扭力大
- 壽命長

用途：

- 適用於汽機車裝配、組立廠



OP-308DA1 Q
OP-308DAF F
Rear exhaust
後排氣



OP-310DAQ Q
OP-310DA F
Side exhaust
側排氣



OP-310LDAQ Q
OP-310LDA F
Side exhaust
側排氣



OP-409WA1 Q
OP-409WAF F
Handle exhaust
下排氣



OP-601DA Q
OP-601DAF F
Side exhaust
側排氣



OP-605DA Q
OP-605DAF F
Handle exhaust
下排氣



OP-906DAF F
Handle exhaust
下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸	Working Torque 工作扭力		MAX. Torque 最大扭力		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-308DA1	8	60	44	230	170	8000	226	8	220	8.66	1/4	1.32	2.91	85
OP-310DA	8	68	50	300	221	8000	198	7	200	7.87	1/4	1.2	2.65	96
OP-310LDA	8	68	50	300	221	8000	198	7	185	7.28	1/4	1.52	3.35	96
OP-409WA1	8	55	41	270	200	8500	254	9	155	6.1	1/4	1.3	2.87	88
OP-601DA	8	60	44	270	200	8500	240	8.5	155	6.1	1/4	1.54	3.38	94
OP-605DA	8	60	44	270	200	9500	240	8.5	155	6.1	1/4	1.42	3.13	82
OP-906DAF	8	95	70	400	295	10000	311	11	144	5.66	1/4	1.6	3.52	92



Air Screwdriver Pin Clutch Type

氣動螺絲起子:銷擊式

- Every motor rotation causes two hammer pin impacts at the same time to keep balance, lower vibration and larger output power.

APPLICATION:

- Apply to heavy-productive assembly lines such as motor-vehicles, bicycles, and motor.

- 每一次的馬達旋轉皆帶動兩個銷擊鎚同時衝擊，因此可以保持衝擊平衡、減低震動及增加能力

用途:

- 汽機車、自行車、馬達等高度產量裝配維修廠

F Type: 

Q Type: 



OP-308W Q

Rear exhaust

後排氣



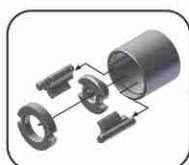
OP-406LW Q

Handle exhaust

下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	Working Torque 工作扭力 Nm ft-lb	MAX. Torque 最大扭力 Nm ft-lb	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量 l/min cfm	Overall Length 全長 mm inch	Air Inlet 入氣接頭 P.T	Net Weight 重量 kg lb	Sound Level 噪音值 dB(A)
OP-308W	8	75 55	250 184	7000	226 8	240 9.45	1/4	1.3 2.87	90
OP-406LW	8	75 55	230 170	8000	240 8.5	180 7.09	1/4	1.2 2.65	86



Air Screwdriver Pin Less Type

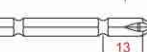
氣動螺絲起子:無銷式

- High torque and low counteraction

APPLICATION:

- Apply to wood work.

F Type: 

Q Type: 

- 扭力大、反作用力小

用途:

- 木工業適用



OP-411LN Q

OP-411LNF F

Handle exhaust

下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	Working Torque 工作扭力 Nm ft-lb	MAX. Torque 最大扭力 Nm ft-lb	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量 l/min cfm	Overall Length 全長 mm inch	Air Inlet 入氣接頭 P.T	Net Weight 重量 kg lb	Sound Level 噪音值 dB(A)
OP-411LN	8	60 44	230 170	8500	226 8	170 6.7	1/4	1.42 3.13	85

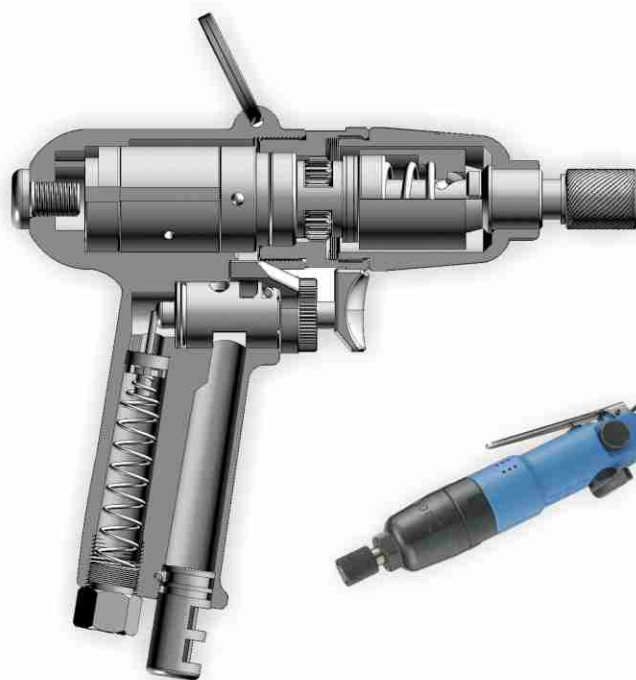


Air Screwdriver Ball Bearing Hiter Type

氣動螺絲起子:鋼珠打擊式

F Type:  9.5

Q Type:  13



- High speed
- Low vibration

APPLICATION :

- Especially in heavy-productive industries rattan, motor.

- 工作速度快
- 低震動

用 途 :

適用於汽機車、組立廠



OP-602A Q

Low rotational speed
Side exhaust
低轉速
側排氣



OP-601L Q

Low rotational speed
Handle exhaust
低轉速
下排氣



OP-407LN Q

Handle exhaust
下排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Screw Size Capacity 螺絲 攻拆尺寸	Working Torque 工作扭力		MAX. Torque 最大扭力		Free Speed 無負荷轉速	Air Consumption 耗 氣 量		Overall Length 全 長		Air Inlet 入氣接頭	Net Weight 重 量		Sound Level 噪音值
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-602A	4~5	20	15	50	37	2500	141	5	225	8.6	1/4	0.99	2.18	89
OP-601L	4~5	20	15	50	37	2700	184	6.5	185	7.28	1/4	1.13	2.49	82
OP-407LN	5~6	30	22	50	37	2400	198	7	190	7.48	1/4	1.17	2.58	88



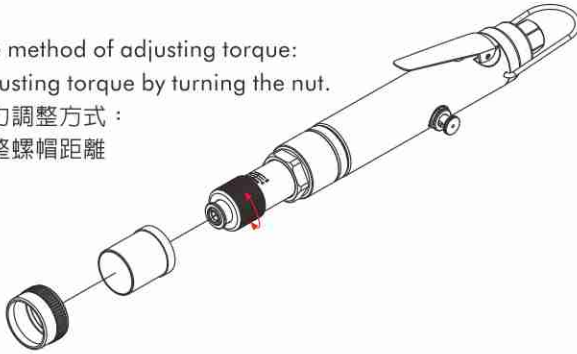
Air Screwdriver Clutch Type

氣動螺絲起子:離合式

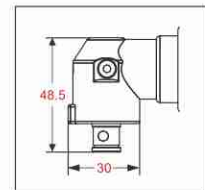
F Type: 

Q Type: 

The method of adjusting torque:
Adjusting torque by turning the nut.
扭力調整方式:
調整螺帽距離



OP-5CLA08
OP-5CLA15 F
Rear exhaust
後排氣



UNIT : (mm)



OP-5C1108 F
Rear exhaust
後排氣



OP-5C1218 F
Rear exhaust
後排氣



OP-5C1419 F
Rear exhaust
後排氣



OP-5C1508
OP-5C1515 F
Rear exhaust
後排氣



OP-5C5124 F
Handle exhaust
下排氣



OP-5C5408
OP-5C5415 F
Handle exhaust
下排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	MAX. Torque 最大扭力 Nm	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值 dB(A)
				l/min	cfm	mm	inch	P.T	kg	lb	
OP-5CLA08	4~5	5	800	170	6	334	13.15	1/4	1.25	2.76	80
OP-5CLA15	4~5	5	1450	170	6	334	13.15	1/4	1.25	2.76	80
OP-5C1108	4	3	800	127	4.5	226	8.9	1/4	0.76	1.68	80
OP-5C1218	4	4	1800	127	4.5	228	8.98	1/4	0.76	1.68	80
OP-5C1419	5	5	1900	127	4.5	229	9.01	1/4	1.01	2.23	85
OP-5C1508	5	5	800	170	6	279	10.98	1/4	0.97	2.14	80
OP-5C1515	5	5	1450	170	6	279	10.98	1/4	0.97	2.14	80
OP-5C5124	5	5	2400	212	7.5	206	8.11	1/4	1.17	2.58	85
OP-5C5408	5	5	750	212	7.5	190	7.48	1/4	1	2.2	80
OP-5C5415	5	5	1450	212	7.5	190	7.48	1/4	1	2.2	80



Air Screwdriver Clutch Type

氣動螺絲起子:離合式

F Type: 

Q Type: 



OP-103 Q

Side exhaust
側排氣



OP-304A1 OP-304 Q

Rear exhaust
後排氣



OP-304B1 OP-304B Q

Push to start type(Semi-automatic)
Rear exhaust
觸壓啟動型(半自動)
後排氣



OP-314A1 OP-314 Q

Rear exhaust with muffler
後排氣低噪音



OP-302 Q

Side exhaust
側排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	MAX. Torque 最大扭矩 Nm ft-lb	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量 l/min cfm	Overall Length 全長 mm inch	Air Inlet 入氣接頭 P.T	Net Weight 重量 kg lb	Sound Level 噪音值 dB(A)
OP-103	4	3 2.2	2200	170 6	235 9.25	1/4	0.8 1.76	91
OP-304A1	4	3 2.2	1700	141 5	235 9.25	1/4	0.61 1.34	80
OP-304	4	3 2.2	1700	141 5	235 9.25	1/4	0.61 1.34	80
OP-304B1	4	2 1.5	1000	141 5	230 9.1	1/4	0.58 1.28	77
OP-304B	4	2 1.5	1000	141 5	235 9.25	1/4	0.6 1.32	77
OP-314A1	4	3 2.2	1700	127 4.5	240 9.45	1/4	0.7 1.54	70
OP-314	4	3 2.2	1700	127 4.5	240 9.45	1/4	0.7 1.54	70
OP-302	5	4 3	1900	141 5	220 8.66	1/4	0.63 1.39	89



Air Screwdriver Clutch Type

氣動螺絲起子:離合式

F Type: 

Q Type: 



OP-103 Q

Side exhaust
側排氣



OP-304A1 OP-304 Q

Rear exhaust
後排氣



OP-304B1 OP-304B Q

Push to start type(Semi-automatic)
Rear exhaust
觸壓啟動型(半自動)
後排氣



OP-314A1 OP-314 Q

Rear exhaust with muffler
後排氣低噪音



OP-302 Q

Side exhaust
側排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	MAX. Torque 最大扭矩		Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值 dB(A)
		Nm	ft-lb		l/min	cfm	mm	inch		kg	lb	
OP-103	4	3	2.2	2200	170	6	235	9.25	1/4	0.8	1.76	91
OP-304A1	4	3	2.2	1700	141	5	235	9.25	1/4	0.61	1.34	80
OP-304	4	3	2.2	1700	141	5	235	9.25	1/4	0.61	1.34	80
OP-304B1	4	2	1.5	1000	141	5	230	9.1	1/4	0.58	1.28	77
OP-304B	4	2	1.5	1000	141	5	235	9.25	1/4	0.6	1.32	77
OP-314A1	4	3	2.2	1700	127	4.5	240	9.45	1/4	0.7	1.54	70
OP-314	4	3	2.2	1700	127	4.5	240	9.45	1/4	0.7	1.54	70
OP-302	5	4	3	1900	141	5	220	8.66	1/4	0.63	1.39	89



Air Screwdriver Clutch Type

氣動螺絲起子:離合式

F Type: 9.5

Q Type: 13



OP-306G Q
Rear exhaust
後排氣



OP-306GA Q
Rear exhaust with muffler
後排氣低噪音



OP-103G Q
Side exhaust
側排氣



OP-301LC Q
Handle exhaust
下排氣



OP-404LN Q
Handle exhaust
下排氣



OP-405LN Q
Handle exhaust
下排氣



OP-301LCG Q
Handle exhaust
下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

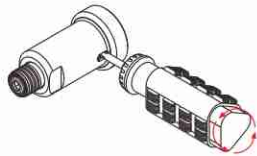
MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸	MAX. Torque 最大扭矩		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-306G	5	7	5.1	500	212	7.5	290	11.41	1/4	1.3	2.87	89
OP-306GA	5	7	5.1	500	198	7	300	11.81	1/4	1.4	3.09	77
OP-103G	6	8	5.9	600	170	6	265	10.43	1/4	0.95	2.1	90
OP-301LC	4	3	2.2	2500	212	7.5	200	7.87	1/4	1.04	2.29	88
OP-404LN	4	3	2.2	2200	184	6.5	200	7.87	1/4	1	2.2	90
OP-405LN	5	7	5.1	550	184	6.5	225	8.86	1/4	1.2	2.65	87
OP-301LCG	6	8	6	600	212	7.5	230	9.06	1/4	1.15	2.54	88



Air Screwdriver Clutch Type

氣動螺絲起子:離合式

The method of adjusting torque:
Adjusting torque by using PH1 screwdriver.
扭力調整方式:
使用PH1起子調整



OP-2C8425 F
Handle exhaust
下排氣

F Type: 

Q Type: 

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸	MAX. Torque 最大扭矩		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-2C8425	6	17	12.5	2500	283	10	212	8.34	1/4	1.08	2.38	88



Air Screwdriver Direct Driver Type

氣動螺絲起子:直接驅動式

For woodworking screws
適用於木工螺絲

F Type: 

Q Type: 



OP-3G8425 F
Handle exhaust
下排氣



OP-3G8410 F
Handle exhaust
下排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸	Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-3G8425	4	2500	283	10	155	6.1	1/4	0.9	1.98	88
OP-3G8410	5	1000	283	10	172	6.77	1/4	1.04	2.29	88



Air Screwdriver Torque Control Type

氣動螺絲起子: 扭力控制式

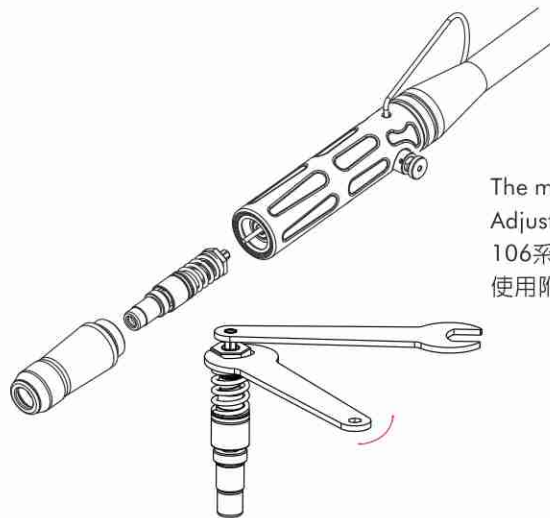
- With push-start device, all parts stop working automatically while reaching the torque.
- Low air consumption, and energy saving.

APPLICATION :

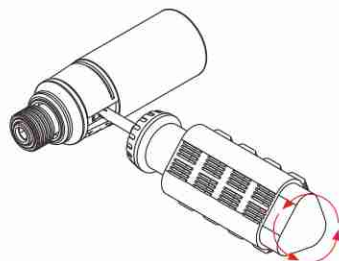
- Apply to release or fasten heavy-precise screws.
- Apply especially to industry assembly lines such as computer, instrument, and electric.
- 觸壓啟動設計，所設定之扭力到達時，全部自動停止
- 耗氣量少，節約能源

用 途：

- 高產能、高精度螺絲攻拆
- 電腦業、儀器、電器等精密工業裝配廠



The method of adjusting torque for 106 series:
Adjusting torque by using added wrench.
106系列扭力調整方式：
使用附加扳手調整



The method of adjusting torque for 2S series:
Adjusting torque by using PH1 screwdriver.
2S系列扭力調整方式：
使用PH1起子調整



Air Screwdriver Torque Control Type

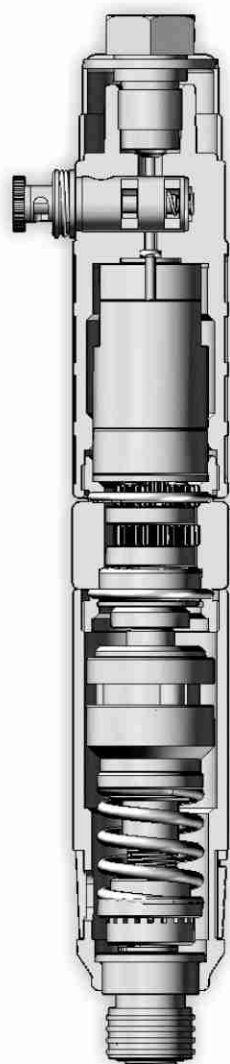
氣動螺絲起子: 扭力控制式

■ Hex size of bit: 4mm for 106 series
6.35mm for 2S series

■ 螺絲刀六角尺寸: 106系列為4mm
2S系列為6.35mm

F Type: 

Q Type: 



OP-106A

Push start 觸壓啟動
Air shut off 自動斷氣
Rear exhaust with muffler 後排氣低噪音



OP-106B

Push start 觸壓啟動
Air shut off 自動斷氣
Rear exhaust with muffler 後排氣低噪音



OP-2S2110 F

Push start 觸壓啟動
Air shut off 自動斷氣
Rear exhaust 後排氣



OP-2S3208 F OP-2S3215 F

Push start 觸壓啟動
Air shut off 自動斷氣
Rear exhaust 後排氣



OP-2S4304 F OP-2S4307 F

Push start 觸壓啟動
Air shut off 自動斷氣
Rear exhaust 後排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	MAX. Torque 最大扭矩 Nm	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值 dB(A)
				l/min	cfm	mm	inch	P.T	kg	lb	
OP-106A	2	0.2~0.35	2500	71	2.5	175	6.88	1/4	0.35	0.77	69
OP-106B	2.5	0.35~1.0	800	71	2.5	185	7.28	1/4	0.37	0.82	69
OP-2S2110	3.5	1.2~2.2	1000	127	4.5	229	9.01	1/4	0.71	1.56	75
OP-2S3215	4	1.5~3.2	1500	170	6	238	9.37	1/4	0.76	1.67	75
OP-2S3208	5	1.6~4.3	800	170	6	238	9.37	1/4	0.76	1.67	75
OP-2S4307	5~6	3.5~7	740	198	7	244	9.6	1/4	0.95	2.09	80
OP-2S4304	5~6	4~10	450	198	7	244	9.6	1/4	0.95	2.09	80



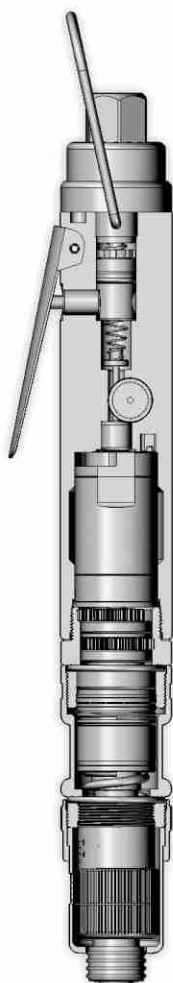
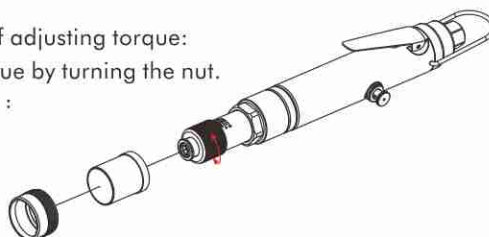
Air Screwdriver Torque Control Type

氣動螺絲起子: 扭力控制式

F Type: 

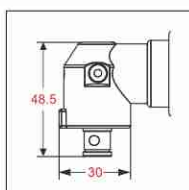
Q Type: 

The method of adjusting torque:
Adjusting torque by turning the nut.
扭力調整方式:
調整螺帽距離



OP-5SLA08
OP-5SLA15

Air shut off
Rear exhaust
自動斷氣
後排氣

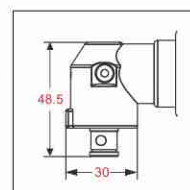


UNIT : (mm)



OP-5SLA03 F

Air shut off
Rear exhaust
自動斷氣
後排氣



UNIT : (mm)



OP-5S1508A
OP-5S1508B
OP-5S1515B
OP-5S1515C

Air shut off
Rear exhaust
自動斷氣
後排氣



OP-5S5108A
OP-5S5108B
OP-5S5115B
OP-5S5115C

Air shut off
Handle exhaust
自動斷氣
下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Screw Size Capacity 螺絲 攻拆尺寸 mm	MAX. Torque 最大扭矩 Nm	Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值 dB(A)
				l/min	cfm	mm	inch	P.T	kg	lb	
OP-5SLA15	4	1.2~2.4	1450	198	7	340	13.39	1/4	1.22	2.69	80
OP-5SLA08	5	2.2~4.3	800	198	7	340	13.39	1/4	1.22	2.69	80
OP-5SLA03	6	4~10	340	198	7	350	13.77	1/4	1.3	2.86	80
OP-5S1515C	3.5	0.9~1.6	1450	198	7	285	11.22	1/4	0.95	2.09	80
OP-5S1515B	4	1.2~2.4	1450	198	7	285	11.22	1/4	0.95	2.09	80
OP-5S1508B	4	1.6~3.1	800	198	7	285	11.22	1/4	0.95	2.09	80
OP-5S1508A	5	2.2~4.3	800	198	7	285	11.22	1/4	0.95	2.09	80
OP-5S5115C	3.5	0.9~1.6	1450	198	7	195	7.68	1/4	0.98	2.09	80
OP-5S5115B	4	1.2~2.4	1450	198	7	195	7.68	1/4	0.98	2.09	80
OP-5S5108B	4	1.6~3.1	800	198	7	195	7.68	1/4	0.98	2.09	80
OP-5S5108A	5	2.2~4.3	800	198	7	195	7.68	1/4	0.98	2.09	80



Air Wrench Clutch Type

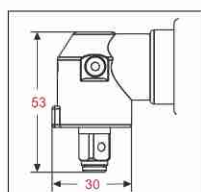
氣動扳手:離合式



OP-5CLB08 3/8"

OP-5CLB15 3/8"

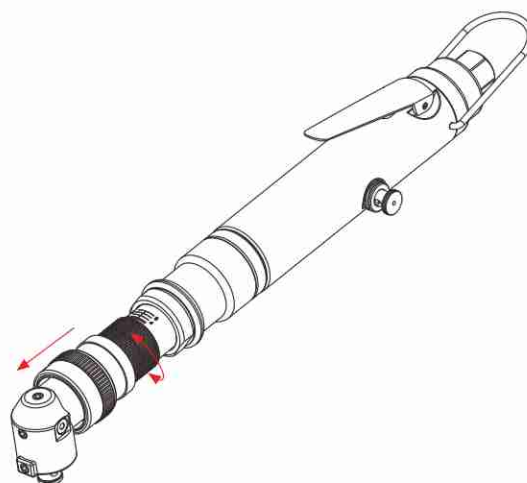
Rear exhaust
後排氣



UNIT : (mm)

The method of adjusting torque:
Adjusting torque by turning the nut.

扭力調整方式:
調整螺帽距離



Air Wrench Torque Control Type

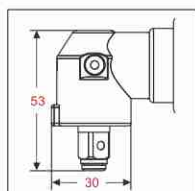
氣動扳手:扭力控制式



OP-5SLB08 3/8"

OP-5SLB15 3/8"

Air shut off
Rear exhaust
後排氣

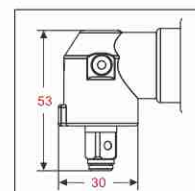


UNIT : (mm)



OP-5SLB03 3/8"

Air shut off
Rear exhaust
後排氣



UNIT : (mm)

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Bolt Size Capacity 螺栓規格	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗 氣 量		Overall Length 全 長		Air Inlet 入氣接頭	Net Weight 重 量		Sound Level 噪音值
	mm	Nm	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-5CLB08	M5	5	800	198	7	334	13.15	1/4	1.25	2.76	80
OP-5CLB15	M5	5	1450	198	7	334	13.15	1/4	1.25	2.76	80
OP-5SLB15	M4	1.2~2.4	1450	198	7	340	13.39	1/4	1.22	2.69	80
OP-5SLB08	M5	2.2~4.3	800	198	7	340	13.39	1/4	1.22	2.69	80
OP-5SLB03	M6	4~10	340	198	7	350	13.77	1/4	1.3	2.86	80



Air Wrench Two Hammer Type

氣動扳手:雙鎚式

- High impact frequency.
- Low counteraction.

APPLICATION :

- Apply to release or fasten small bolts especially in heavy-productive assembly lines such as motor-vehicles, bicycles, and motor.

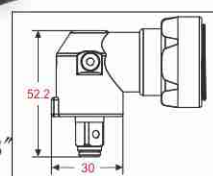
- 衝擊頻率高
- 反作用力小

用 途 :

- 小型螺帽攻拆專用如汽機車、自行車、馬達等高精度產量裝配維修廠



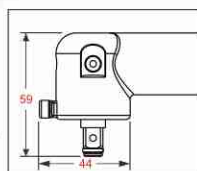
OP-301LB90 3/8"
Rear exhaust
後排氣



UNIT : (mm)



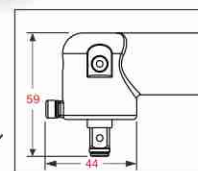
OP-311LH3 3/8"
Rear exhaust
後排氣



UNIT : (mm)



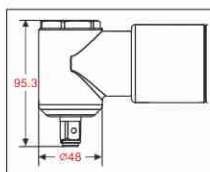
OP-310LH3 3/8"
Side exhaust
側排氣



UNIT : (mm)



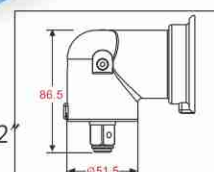
OP-100LH 1/2"
Rear exhaust
後排氣



UNIT : (mm)



OP-130LH4 1/2"
Side exhaust
側排氣



UNIT : (mm)

SPECIFICATION(air pressure at 90psi 、6.2bar 、6.3kg/cm²)

MODEL 型 號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力		MAX. Torque 最大扭力		Free Speed 無負荷轉速	Air Consumption 耗 氣 量		Overall Length 全 長		Air Inlet 入氣接頭	Net Weight 重 量		Sound Level 噪音值
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-301LB90	M6	17	13	40	30	9000	141	5	240	9.45	1/4	1.22	2.69	83
OP-311LH3	M10	50	37	90	66	8500	240	8.5	265	10.43	1/4	1.58	3.48	90
OP-310LH3	M10	60	44	130	96	7000	198	7	240	9.45	1/4	1.62	3.57	92
OP-100LH	M12	110	81	200	148	3000	240	8.5	300	11.81	1/4	2.63	5.79	87
OP-130LH4	M14~M16	220	162	270	200	4000	283	10	375	14.76	1/4	5	11.02	96



Air Wrench Two Hammer Type

氣動扳手:雙槌式



OP-301B2 1/4"
OP-301B3 3/8"
Side exhaust
側排氣



OP-306B 3/8"
Rear exhaust
後排氣



OP-809B1 3/8"
Rear exhaust with muffler
後排氣低噪音



OP-309B 3/8"
Side exhaust
側排氣



OP-310B3 3/8"
Side exhaust
側排氣



OP-100B 1/2"
Rear exhaust
後排氣



OP-130B 1/2"
Side exhaust
側排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-301B	M8	27 20	35 26	11000	127 4.5	178 7.01	1/4	0.68 1.5	89
OP-306B	M10	80 59	200 148	8000	212 7.5	225 8.86	1/4	1.07 2.36	90
OP-809B1	M10	80 59	130 96	8000	184 6.5	230 9.06	1/4	1.2 2.65	80
OP-309B	M10	80 59	200 148	8300	212 7.5	190 7.48	1/4	0.98 2.16	94
OP-310B3	M10~M12	90 66	240 177	8000	283 10	190 7.48	1/4	1.06 2.34	97
OP-100B	M12~M14	160 118	280 207	5500	240 8.5	260 10.24	1/4	1.7 3.75	85
OP-130B	M16~M18	320 236	500 369	4400	283 10	330 13	1/4	3.4 7.5	95



Air Wrench Two Hammer Type

氣動扳手:雙槌式



OP-301LB2 1/4"
OP-301LB3 3/8"
Handle exhaust
下排氣



OP-403LB2 1/4"
OP-403LB3 3/8"
Handle exhaust
下排氣



OP-306SL1 3/8"
Side exhaust
側排氣



OP-309LB 3/8"
Side exhaust
側排氣



OP-406LB 3/8"
Handle exhaust
下排氣



OP-310LB3 3/8"
Side exhaust
側排氣



OP-100LB 1/2"
Side exhaust
側排氣



OP-131LB 1/2"
Side exhaust
側排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-301LB	M8	27 20	35 26	13000	198 7	145 5.71	1/4	0.9 1.98	88
OP-403LB	M8	27 20	30 22	11500	170 6	155 6.1	1/4	0.9 1.98	87
OP-306SL1	M10	80 59	200 148	8000	226 8	183 7.2	1/4	1.2 2.65	94
OP-309LB	M10	80 59	200 148	7700	198 7	185 7.28	1/4	1.3 2.87	89
OP-406LB	M12	100 74	190 140	8000	283 10	160 6.3	1/4	1.2 2.65	87
OP-310LB3	M12	110 81	240 177	8000	283 10	185 7.28	1/4	1.34 2.89	93
OP-100LB	M16	270 199	440 325	5000	240 8.5	180 7.09	1/4	2.3 5.07	92
OP-131LB	M18	360 266	580 428	4300	283 10	210 8.27	1/4	3.1 6.83	96



Air Wrench Single Ring Type

氣動扳手:單環式



OP-308DW 1/2"
OP-308D 3/8"
Rear exhaust
後排氣



OP-310DB3 3/8"
OP-310DB4 1/2"
Side exhaust
側排氣



OP-310LD3 3/8"
OP-310LD4 1/2"
Side exhaust
側排氣



OP-409W 3/8"
OP-409WHA 1/2"
Handle exhaust
下排氣



OP-601DB 3/8"
OP-601D 1/2"
Side exhaust
側排氣



OP-605D4 1/2"
Handle exhaust
下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-308DW	M12	120 86	200 148	8100	240 8.5	220 8.66	1/4	1.32 2.91	85
OP-308D	M12	120 86	200 148	8100	240 8.5	220 8.66	1/4	1.32 2.91	85
OP-310DB3	M12	120 86	300 221	8000	198 7	200 7.87	1/4	1.18 2.6	96
OP-310DB4	M12	120 86	300 221	8000	198 7	200 7.87	1/4	1.18 2.6	96
OP-310LD3	M12	120 86	270 200	8000	198 7	185 7.28	1/4	1.5 3.3	96
OP-310LD4	M12	120 86	270 200	8000	198 7	185 7.28	1/4	1.5 3.3	96
OP-409W	M12	120 86	270 200	8500	254 9	155 6.1	1/4	1.32 2.91	88
OP-409WHA	M12	120 86	270 200	8500	254 9	155 6.1	1/4	1.32 2.91	88
OP-601DB	M12	120 86	270 200	8500	240 8.5	155 6.1	1/4	1.54 3.4	94
OP-601D	M12	120 86	270 200	8500	240 8.5	155 6.1	1/4	1.54 3.4	94
OP-605D4	M12	120 86	270 200	9500	240 8.5	155 6.1	1/4	1.42 3.13	82



Air Wrench Twin Ring Type

扳手系列:雙環式



- High torque
- Long lasting
- Less vibration than single ring type

APPLICATION :

- Especially in heavy-productive industries rattan, motor.

- 扭力大
- 壽命長
- 震動力較單環式小

用 途 :

- 適用於汽機車、組立廠



OP-906D4 1/2"

Handle exhaust
下排氣



OP-603D 1/2"

Side exhaust
側排氣



OP-908D 1/2"

Handle exhaust
下排氣



OP-909D 1/2"

Handle exhaust
下排氣



OP-936D2 3/4"

Handle exhaust
下排氣



OP-936D4 3/4"

Handle exhaust
下排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭矩	Free Speed 無負荷轉速	Air Consumption 耗 氣 量	Overall Length 全 長	Air Inlet 入氣接頭	Net Weight 重 量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-906D4	M16	270 200	450 332	10000	311 11	140 5.51	1/4	1.6 3.52	92
OP-603D	M18~M20	450 332	560 413	6000	325 11.5	180 7.09	1/4	2.57 5.67	95
OP-908D	M18~M20	450 332	600 443	6700	297 10.5	190 7.48	1/4	2.68 5.91	96
OP-909D	M18~M20	450 332	550 406	7300	311 11	210 8.27	1/4	2.15 4.74	90
OP-936D2	M22	820 604	950 700	5400	424 15	223 8.78	1/4	4.1 9.04	93
OP-936D4	M22	820 604	950 700	5400	424 15	268 10.55	1/4	4.25 9.37	93



Air Wrench Twin Ring Type

氣動扳手:雙環式



Outside trigger
外板機

Inside trigger
內板機



OP-912D2 3/4"

Side exhaust
側排氣

- Outside trigger : OP-912D2 with driver anvil length 1/2"
OP-912D4 with driver anvil length 2-1/4"
- 外板機 : OP-912D2輸出軸長為1/2"
OP-912D4輸出軸長為2-1/4"
- Inside trigger : OP-912DZ2 with driver anvil length 1/2"
OP-912DZ4 with driver anvil length 2-1/4"
- 內板機 : OP-912DZ2輸出軸長為1/2"
OP-912DZ4輸出軸長為2-1/4"



OP-913D2 1"

Side exhaust
Light type
側排氣
輕量型



- Outside trigger : OP-913D2 with driver anvil length 1/2"
OP-913D6 with driver anvil length 6-1/2"
OP-913D8 with driver anvil length 8-1/2"
- 外板機 : OP-913D2輸出軸長為1/2"
OP-913D6輸出軸長為6-1/2"
OP-913D8輸出軸長為8-1/2"
- Inside trigger : OP-913DZ2 with driver anvil length 1/2"
OP-913DZ6 with driver anvil length 6-1/2"
OP-913DZ8 with driver anvil length 8-1/2"
- 內板機 : OP-913DZ2輸出軸長為1/2"
OP-913DZ6輸出軸長為6-1/2"
OP-913DZ8輸出軸長為8-1/2"

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-912D2	M22~M24	900 664	1000 730 ~1300 ~950	4300	424 15	348 13.7	3/8	5.1 11.24	102
OP-912D4	M22~M24	900 664	1000 730 ~1300 ~950	4300	424 15	393 15.47	3/8	5.25 11.57	102
OP-912DZ2	M22~M24	900 664	1000 730 ~1300 ~950	4300	424 15	348 13.7	3/8	5.1 11.24	102
OP-912DZ4	M22~M24	900 664	1000 730 ~1300 ~950	4300	424 15	393 15.47	3/8	5.25 11.57	102
OP-913D2	M27	1400 1032	1800 1320 ~2000 ~1470	4000	424 15	350 13.78	3/8	6.6 14.55	102
OP-913D6	M27	1400 1032	1800 1320 ~2000 ~1470	4000	424 15	500 19.69	3/8	7.4 16.31	102
OP-913D8	M27	1400 1032	1800 1320 ~2000 ~1470	4000	424 15	550 21.65	3/8	7.8 17.2	102
OP-913DZ2	M27	1400 1032	1800 1320 ~2000 ~1470	4000	424 15	350 13.78	3/8	6.6 14.55	102
OP-913DZ6	M27	1400 1032	1800 1320 ~2000 ~1470	4000	424 15	500 19.69	3/8	7.4 16.31	102
OP-913DZ8	M27	1400 1032	1800 1320 ~2000 ~1470	4000	424 15	550 21.65	3/8	7.8 17.2	102



Air Wrench Twin Ring Type

氣動扳手:雙環式

Outside trigger
外板機

Inside trigger
內板機



OP-914D2 1"

Side exhaust
側排氣



- Outside trigger : OP-914D2 with driver anvil length 1/2"
OP-914D6 with driver anvil length 6-1/2"
OP-914D8 with driver anvil length 8-1/2"
- Inside trigger : OP-914DZ2 with driver anvil length 1/2"
OP-914DZ6 with driver anvil length 6-1/2"
OP-914DZ8 with driver anvil length 8-1/2"
- 外板機 : OP-914D2輸出軸長為1/2"
OP-914D6輸出軸長為6-1/2"
OP-914D8輸出軸長為8-1/2"
- 內板機 : OP-914DZ2輸出軸長為1/2"
OP-914DZ6輸出軸長為6-1/2"
OP-914DZ8輸出軸長為8-1/2"



OP-914DA3 1-1/2"

Side exhaust
側排氣



- Outside trigger : OP-914DA3 with driver anvil length 1/2"
OP-914DA6 with driver anvil length 6"
- Inside trigger : OP-914DAZ3 with driver anvil length 1/2"
OP-914DAZ6 with driver anvil length 6"
- 外板機 : OP-914DA3輸出軸長為1/2"
OP-914DA6輸出軸長為6"
- 內板機 : OP-914DAZ3輸出軸長為1/2"
OP-914DAZ6輸出軸長為6"

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Bolt Size Capacity 螺柱規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-914D2	M30	2000 1475	2500 1840 ~2900 ~2130	2800	452 16	393 15.47	3/8	10.3 22.71	100
OP-914D6	M30	2000 1475	2500 1840 ~2800 ~2060	2800	452 16	543 21.38	3/8	12.3 27.12	100
OP-914D8	M30	2000 1475	2500 1840 ~2800 ~2060	2800	452 16	594 23.39	3/8	13.3 29.3	100
OP-914DZ2	M30	2000 1475	2500 1840 ~2900 ~2130	2800	452 16	393 15.47	3/8	10.3 22.71	100
OP-914DZ6	M30	2000 1475	2500 1840 ~2800 ~2060	2800	452 16	543 21.38	3/8	12.3 27.12	100
OP-914DZ8	M30	2000 1475	2500 1840 ~2800 ~2060	2800	452 16	594 23.39	3/8	13.3 29.3	100
OP-914DA3	M30	2000 1475	2700 1990 ~3000 ~2210	2800	452 16	418 16.46	3/8	11.54 25.44	100
OP-914DAZ3	M30	2000 1475	2700 1990 ~3000 ~2210	2800	452 16	418 16.46	3/8	11.54 25.44	100
OP-914DA6	M30	2000 1475	2700 1990 ~3000 ~2210	2800	452 16	543 21.38	3/8	13.26 29.23	100
OP-914DAZ6	M30	2000 1475	2700 1990 ~3000 ~2210	2800	452 16	543 21.38	3/8	13.26 29.23	100



Air Wrench Twin Ring Type

氣動扳手:雙環式

Inside trigger
內板機



OP-914DZ2-#5

Side exhaust
側排氣

■ Inside trigger : OP-914DZ2-#5 with driver anvil length 1/2"
OP-914DZ6-#5 with driver anvil length 6"

■ 內板機 : OP-914DZ2-#5輸出軸長為1/2"
OP-914DZ6-#5輸出軸長為6"



OP-915D 3/4"
OP-915DA 1"

Handle exhaust
下排氣



OP-W17-D1A 1/2"
OP-W17-D1B 3/8"

Rear exhaust
後排氣



OP-W19-D1A 3/8"
OP-W19-D1B 1/2"

Handle exhaust
下排氣

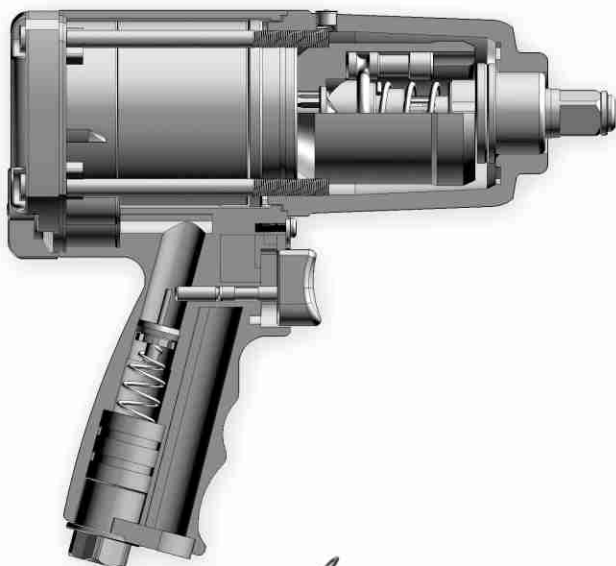
SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-914DZ2-#5	M30	2000 1475	2500 1840 ~2900 ~2130	2800	452 16	393 15.47	3/8	11.54 25.44	100
OP-914DZ6-#5	M30	2000 1475	2500 1840 ~2800 ~2060	2800	452 16	543 21.38	3/8	12.74 28.08	100
OP-915D	M24~M27	1300 958	2000 1475	3800	410 14.5	260 10.24	3/8	6.08 13.4	85
OP-915DA	M24~M27	1300 958	2000 1475	3800	410 14.5	270 10.63	3/8	6.2 13.67	85
OP-W17-D1A	M12	120 86	200 148	8100	226 8	220 8.66	1/4	1.32 2.91	85
OP-W17-D1B	M12	120 86	200 148	8100	226 8	220 8.66	1/4	1.32 2.91	85
OP-W19-D1A	M12	120 86	270 200	8500	254 9	155 6.1	1/4	1.32 2.91	88
OP-W19-D1B	M12	120 86	270 200	8500	254 9	155 6.1	1/4	1.32 2.91	88



Air Wrench Pin Clutch Type

氣動扳手:銷擊式



- Every motor rotation causes two hammer pin impacts at the same time to keep balance, lower vibration and larger output power.

APPLICATION :

- Apply to heavy-productive assembly lines such as motor- vehicles, bicycles, and motor.

- 每一次的馬達旋轉皆帶動兩個銷擊鎚同時衝擊，因此可以保持衝擊平衡、減低震動及增加能力

用 途：

- 汽機車、自行車、馬達等高度產量
裝配維修廠



OP-308A 3/8"
OP-308B 1/2"
Rear exhaust
後排氣



OP-813 3/8"
OP-814 1/2"
Rear exhaust with muffler
後排氣低噪音



OP-308LA 3/8"
OP-308LB 1/2"
Side exhaust
側排氣



OP-408LA 3/8"
OP-408LB 1/2"
Handle exhaust
下排氣



OP-909B 1/2"
Handle exhaust
下排氣

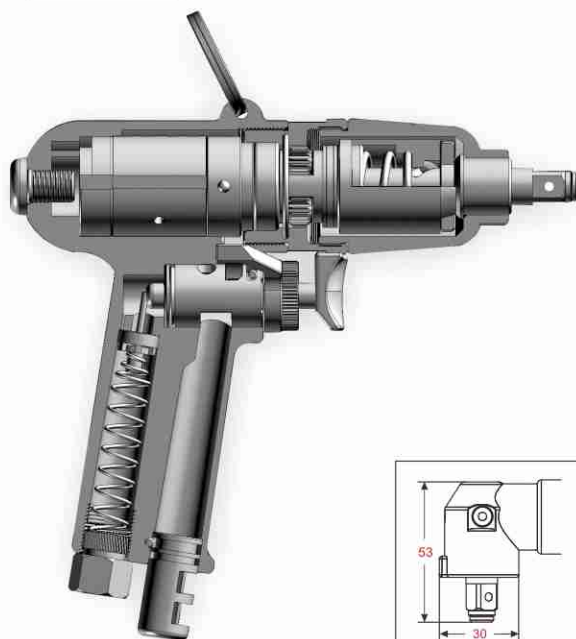
SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗 氣 量	Overall Length 全 長	Air Inlet 入氣接頭	Net Weight 重 量	Sound Lever 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-308A	M14	140 103	290 214	7500	240 8.5	230 9.06	1/4	1.3 2.87	90
OP-308B	M14	160 118	290 214	7500	240 8.5	230 9.06	1/4	1.3 2.87	90
OP-813	M14	140 103	210 155	7300	184 6.5	230 9.06	1/4	1.4 3.09	80
OP-814	M14	160 118	210 155	7300	184 6.5	230 9.06	1/4	1.4 3.09	80
OP-308LA	M14	140 103	290 214	7000	226 8	190 7.48	1/4	1.4 3.09	94
OP-308LB	M14	160 118	290 214	7000	226 8	190 7.48	1/4	1.4 3.09	94
OP-408LA	M14	140 103	300 221	8000	226 8	165 6.5	1/4	1.4 3.09	85
OP-408LB	M14	160 118	300 221	8000	226 8	165 6.5	1/4	1.4 3.09	85
OP-909B	M20	480 354	500 369	6500	339 12	210 8.27	1/4	2.2 4.85	90



Air Wrench Ball Bearing Hitter Type

氣動扳手：鋼珠打擊式



- High speed
- Low vibration

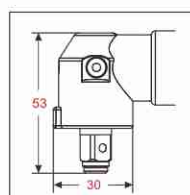
APPLICATION :

- Especially in heavy-productive industries rattan, motor.

- 工作速度快
- 低震動

用途：

適用於汽機車、組立廠



UNIT : (mm)



OP-808LH3 3/8"

Rear exhaust with muffler
後排氣低噪音



OP-602B 3/8"

Side exhaust
Low Rotational Speed
側排氣
低轉速



OP-407LB 3/8"

Handle exhaust
下排氣



OP-601B 3/8"

Handle exhaust
Low Rotational Speed
下排氣
低轉速

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

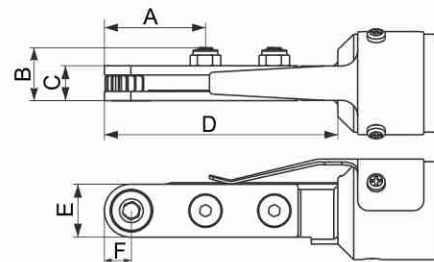
MODEL 型號	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Lever 噪音值
	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-808LH3	M6	10 7	25 18.5	2200	127 4.5	560 22	1/4	2.3 5.07	73
OP-602B	M10	45 33	50 37	2500	141 5	220 8.66	1/4	0.99 2.18	89
OP-407LB	M10	45 33	50 37	2400	212 7.5	185 7.28	1/4	1.17 2.58	88
OP-601B	M10	45 33	50 37	2700	170 6	185 7.28	1/4	1.13 2.49	82

Air Ratchet Wrench

氣動棘輪扳手

- The ratchet wrench can be used in narrow working spaces and can fasten bolts and nuts easily. This special tool can be reached tight place that other air tools can not.
- Remove: First, loosen nut by wrench then take nut out with air ratchet.
- Fasten: Push trigger to position the nut then lock it with torque wrench.

- 棘輪扳手主要功能，是解決其他氣動工具，無法深入極小空間裡、鎖緊螺絲或螺帽之特殊工具。
- 拆卸：應先以扳手鬆開螺帽後，再觸壓板機。
- 上緊：觸壓板機將螺帽定位後，再以扭力扳手上緊。



MODEL 型號	A mm	B mm	C mm	D mm	E mm	F mm
OP-808LS	38.2	20	13.2	88.2	20	10.2
OP-814LS	44.4	26	18	109	25.2	12.2
OP-819LS	51	26	18	115	33.2	16.6



OP-808LS
Rear exhaust
後排氣



OP-814LS
Rear exhaust
後排氣



OP-819LS
Rear exhaust
後排氣

Air Ratchet Wrench Order Code Reference

Model 型號	OP-808LS	OP-814LS	OP-819LS
Hex Size 六角尺寸	Order Code 訂貨號		
6mm	OP-808LS-6		
7mm	OP-808LS-7		
8mm	OP-808LS-8		
9mm	OP-808LS-9		
10mm	OP-808LS-10	OP-814LS-10	OP-819LS-10
11mm	OP-808LS-11	OP-814LS-11	OP-819LS-11
12mm	OP-808LS-12	OP-814LS-12	OP-819LS-12
13mm		OP-814LS-13	OP-819LS-13
14mm		OP-814LS-14	OP-819LS-14
15mm			OP-819LS-15
16mm			OP-819LS-16
17mm			OP-819LS-17
18mm			OP-819LS-18
19mm			OP-819LS-19
1/4"	OP-808LS-1/4"		
3/8"	OP-808LS-3/8"		
1/2"		OP-814LS-1/2"	
9/16"		OP-814LS-9/16"	
11/16"			OP-819LS-11/16"

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Hex Size 六角尺寸	Working Torque 工作扭力		MAX. Torque 最大扭力		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Sound Level 噪音值
	mm	Nm	ft-lb	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb	dB(A)
OP-808LS	6,7,8,10,11,12, (1/4", 3/8")	10	7	10	7	180	127	4.5	300	11.81	1/4	1.3	2.87	86
OP-814LS	10,11,12,13,14, (1/2", 9/16")	15	11	25	18	250	212	7.5	332	13.07	1/4	1.92	4.23	87
OP-819LS	10, 11, 12, 13, 14, 15, 16, 17, 18, 19 (11/16")	80	59	90	66	150	353	12.5	390	15.35	1/4	2.42	5.33	92



OP-RW1016
Rear exhaust
後排氣



OP-RW10172 1/4"
OP-RW10173 3/8"
Rear exhaust
後排氣



OP-RW11474 1/2"
Rear exhaust
後排氣



OP-RW10223 3/8"
OP-RW10224 1/2"
Rear exhaust
後排氣



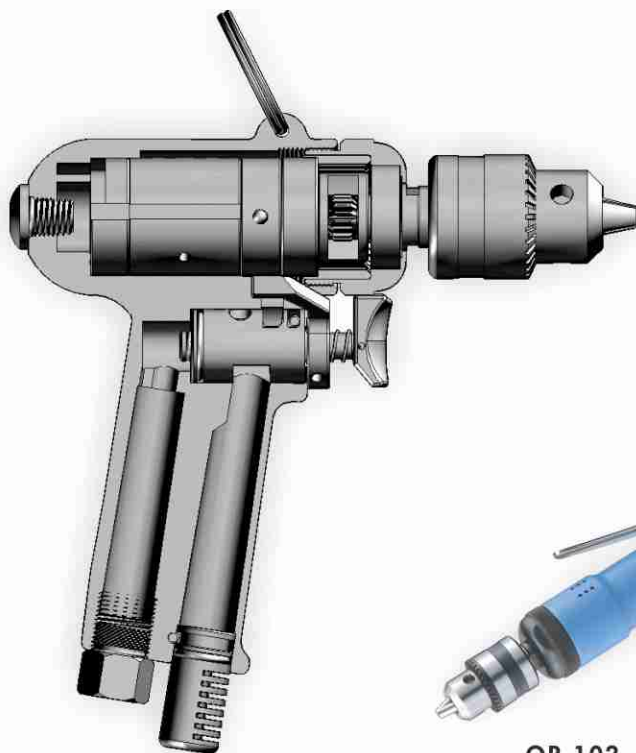
OP-121 1/2"
Front exhaust
前排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Hex Size 六角尺寸	Bolt Size Capacity 螺栓規格	Working Torque 工作扭力	MAX. Torque 最大扭力	Free Speed 無負荷轉速	Air Consumption 耗氣量	Overall Length 全長	Air Inlet 入氣接頭	Net Weight 重量	Sound Level 噪音值
	mm	mm	Nm ft-lb	Nm ft-lb	rpm	l/min cfm	mm inch	P.T	kg lb	dB(A)
OP-RW1016	8,10,12,13,14		10 7	41 30	450	141 5	188 7.4	1/4	0.55 1.21	77
OP-RW10172		M6	10 7	34 25	250	141 5	181 7.13	1/4	0.55 1.21	85
OP-RW10173		M6	10 7	34 25	250	141 5	181 7.13	1/4	0.55 1.21	85
OP-RW10223		M10	50 37	95 70	180	170 6	266 10.47	1/4	1.2 2.65	85
OP-RW10224		M10	50 37	95 70	180	170 6	266 10.47	1/4	1.2 2.65	85
OP-RW11474		M10	80 59	100 74	140	310 11	275 10.82	1/4	1.45 3.19	85
OP-121		M10	43 32	100 74	150	339 12	360 14.17	1/4	2.06 4.54	92

Air Drill Gear Type

氣動鑽：齒輪式



OP-510H 3/8"
Rear exhaust
後排氣



OP-102 3/8"
Side exhaust
側排氣



OP-D5128 1/4"
Handle exhaust
下排氣



OP-101 3/8"
Handle exhaust
下排氣



OP-401LN 3/8"
Handle exhaust
下排氣



OP-601C 3/8"
Handle exhaust
下排氣

SPECIFICATION (air pressure at 90psi · 6.2bar · 6.3kg/cm²)

MODEL 型號	Chuck Size 夾頭尺寸		Stall Torque 停止扭矩		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Reversible 正反轉	Sound Level 噪音值
	mm	inch	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb		dB(A)
OP-510H	10	3/8			1500	240	8.5	210	8.27	1/4	1.4	3.09	○	98
OP-102	10	3/8	2.1	1.5	2200	141	5	210	8.27	1/4	0.84	1.85	○	88
OP-D5128	6	1/4	1.9	1.4	2850	198	7	147	5.79	1/4	0.82	1.81	○	80
OP-101	10	3/8	2.1	1.5	2500	226	8	185	7.28	1/4	1.07	2.36	○	88
OP-401LN	10	3/8	2.1	1.5	2100	198	7	175	6.89	1/4	1.05	2.31	○	88
OP-601C	10	3/8	2.1	1.5	2600	184	6.5	170	6.69	1/4	1.02	2.25	○	82

Air Drill Gear Type

氣動鑽：齒輪式



OP-101GA 1/2"

Handle exhaust
下排氣



OP-402LN 1/2"

Handle exhaust
下排氣



OP-601CG 1/2"

Handle exhaust
下排氣



OP-D8432 3/8"

OP-D8425 3/8"
Handle exhaust
下排氣



OP-D8410 1/2"

Handle exhaust
下排氣



OP-D6116 3/8"

Handle exhaust
下排氣



OP-D95185 1/4"

OP-D9560 1/4"
OP-D9540 1/4"
OP-D9531 3/8"
Handle exhaust
下排氣



OP-D9519 3/8"

OP-D9512 1/2"
OP-D9506 1/2"
Handle exhaust
下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Chuck Size 夾頭尺寸		Stall Torque 停止扭矩		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Reversible 正反轉	Sound Level 噪音值
	mm	inch	Nm	ft-lb	rpm	l/min	cfm	mm	inch	P.T	kg	lb		dB(A)
OP-101GA	13	1/2	7.7	5.6	700	226	8	220	8.66	1/4	1.55	3.41	○	88
OP-402LN	13	1/2	7.7	5.6	650	226	8	215	8.46	1/4	1.54	3.74	○	88
OP-601CG	13	1/2	7.7	5.6	700	212	7.5	205	8.07	1/4	1.49	3.28	○	82
OP-D8432	10	3/8	4.7	3.5	3200	283	10	185	7.28	1/4	1.06	2.34	○	88
OP-D8425	10	3/8	6	4.4	2500	283	10	185	7.28	1/4	1.06	2.34	○	88
OP-D8410	13	1/2	14.9	10.9	1000	283	10	230	9.05	1/4	1.62	3.57	○	88
OP-D6116	10	3/8	6	4.4	1650	240	8.5	170	6.69	1/4	1.45	3.19	○	82
OP-D95185	6	1/4	1.4	1	18000	367	13	176	6.93	1/4	1.15	2.53	×	87
OP-D9560	6	1/4	4.4	3.2	6000	367	13	176	6.93	1/4	1.15	2.53	×	87
OP-D9540	6	1/4	6.6	4.8	4000	367	13	176	6.93	1/4	1.15	2.53	×	87
OP-D9531	10	3/8	8.4	6.2	3150	367	13	185	7.28	1/4	1.23	2.70	×	87
OP-D9519	10	3/8	13.8	10.2	1900	367	13	212	8.35	1/4	1.65	3.63	×	87
OP-D9512	13	1/2	20.9	15.4	1250	367	13	225	8.86	1/4	1.85	4.07	×	87
OP-D9506	13	1/2	39.9	29.4	650	367	13	225	8.86	1/4	1.85	4.07	×	87

Air Drill Gear Type

氣動鑽：齒輪式

Outside trigger
外板機

Inside trigger
內板機



OP-D16-G1 5/8"

OP-D19-G1 3/4"

Side exhaust
側排氣

■ Outside trigger : OP-D16-G1
OP-D19-G1

■ Inside trigger : OP-D16-G1Z
OP-D19-G1Z

■ 外板機 : OP-D16-G1
OP-D19-G1

■ 內板機 : OP-D16-G1Z
OP-D19-G1Z



OP-D165111 5/8"

Handle exhaust
下排氣

Outside trigger
外板機

Inside trigger
內板機



OP-DMT21110

Side exhaust
側排氣

■ Outside trigger : OP-DMT2110 ■ 外板機 : OP-DMT2110

■ Inside trigger : OP-DMT2110Z ■ 內板機 : OP-DMT2110Z



OP-DMT25111

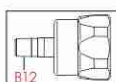
Handle exhaust
下排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Chuck Size 夾頭尺寸		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Reversible 正反轉	Sound Level 噪音值 dB(A)
	mm	inch		l/min	cfm	mm	inch		kg	lb		
OP-D16-G1	16	5/8	1000	424	15	420	16.54	3/8	6.34	13.98	○	102
OP-D16-G1Z	16	5/8	1000	424	15	420	16.54	3/8	6.34	13.98	○	102
OP-D19-G1	19	3/4	1000	424	15	437	17.2	3/8	7.04	15.52	○	102
OP-D19-G1Z	19	3/4	1000	424	15	437	17.2	3/8	7.04	15.52	○	102
OP-DMT21110	MT2		1000	424	15	445	17.5	3/8	6.12	13.5	○	102
OP-DMT21110Z	MT2		1000	424	15	445	17.5	3/8	6.12	13.5	○	102
OP-D165111	16	5/8	1100	452	16	305	12	3/8	5.86	12.92	○	87
OP-DMT25111	MT2		1100	452	16	330	13	3/8	5.6	12.34	○	87

Air Tapping

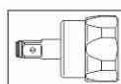
氣動攻牙機



OP-11AKH
Handle exhaust
下排氣



OP-304B2
Push to start type
Rear exhaust
觸壓啟動型
後排氣



OP-601AKI 3/8"
Handle exhaust
下排氣

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Tapping Capacity 攻牙能力		Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量 l/min cfm		Overall Length 全長 mm inch		Air Inlet 入氣接頭 P.T		Net Weight 重量 kg lb		Sound Level 噪音值 dB(A)
	Aluminum(mm)	Iron(mm)										
OP-11AKH	3~12	3~8	150	184	6.5	200	7.87	1/4	1.72	3.79	82	
OP-304B2	1~3	1~3	1000	141	5	280	11.02	1/4	0.74	1.63	77	
OP-601AKI	6~12	6~8	150	198	7	245	9.65	1/4	1.77	3.9	82	

Air Tapping

氣動攻牙機

標準配備

Auto Screwdriving Machine

- Air Tapping anvil
- Extension Arm
- Fixed Seat
- Air filter Regulator
- Torque Chuck
- Please choose one size .

Sizes:(M3, M4, M5, M6, M8, M10, M12)

- 氣動攻牙主軸
- 伸長臂
- 固定座
- 三點組合
- 扭力筒夾
- 請任選一種
(M3, M4, M5, M6, M8, M10, M12)



扭力筒夾規格表

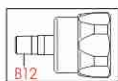
Chuck standards and size list

FOR TAP	JIS 日本標準規格			ISO 國際標準規格			DIN 371 德國標準規格			DIN 376 德國標準規格		
Thread	∅ d	□	Order Code 訂貨號	∅ d	□	Order Code 訂貨號	∅ d	□	Order Code 訂貨號	∅ d	□	Order Code 訂貨號
M2	3	2.5	TCJISM2									
M3	4	3.2	TCJISM3	3.15	2.5	TCISOM3	3.5	2.7	TCDIN371M3	2.2	-	TCDIN376M3
M4	5	4	TCJISM4	4	3.15	TCISOM4	4.5	3.4	TCDIN371M4	2.8	2.1	TCDIN376M4
M5	5.5	4.5	TCJISM5	5	4	TCISOM5	6	4.9	TCDIN371M5	3.5	2.7	TCDIN376M5
M6	6	4.5	TCJISM6	6.3	5	TCISOM6	6	4.9	TCDIN371M6	4.5	3.4	TCDIN376M6
M8	6.2	5	TCJISM8	8	6.3	TCISOM8	8	6.2	TCDIN371M8	6	4.9	TCDIN376M8
M10	7	5.5	TCJISM10	10	8	TCISOM10	10	8	TCDIN371M10	7	5.5	TCDIN376M10
M12	8.5	6.5	TCJISM12	9	7.1	TCISOM12				9	7	TCDIN376M12

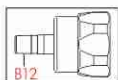
FOR TAP	ANSI 美國標準規格		
Thread	∅ d	□	Order Code 訂貨號
1/2"	9.322	6.985	TCANSI W 1/2

Air Tapping Order Code Reference

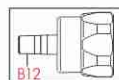
Model 型 號	OP-11AK	OP-08AK	OP-12AK	備註： 筒夾標準出貨規格為JIS，如需其 他規格筒夾，請參考扭力筒夾規 格表，並於訂單上註明筒夾規格。
Size 規格	Order Code 訂 貨 號			
M2		OP-08AK-2		NOTICE: When different sizes or standard chucks are needed, please refer to the chuck standards and size list and note on the purchase order, otherwise, the chuck will be JIS.
M3	OP-11AK-3	OP-08AK-3	OP-12AK-3	
M4	OP-11AK-4	OP-08AK-4	OP-12AK-4	
M5	OP-11AK-5	OP-08AK-5	OP-12AK-5	
M6	OP-11AK-6	OP-08AK-6	OP-12AK-6	
M8	OP-11AK-8	OP-08AK-8	OP-12AK-8	
M10	OP-11AK-10		OP-12AK-10	
M12	OP-11AK-12		OP-12AK-12	



OP-11AK
Handle exhaust
下排氣



OP-08AK
Rear exhaust
後排氣

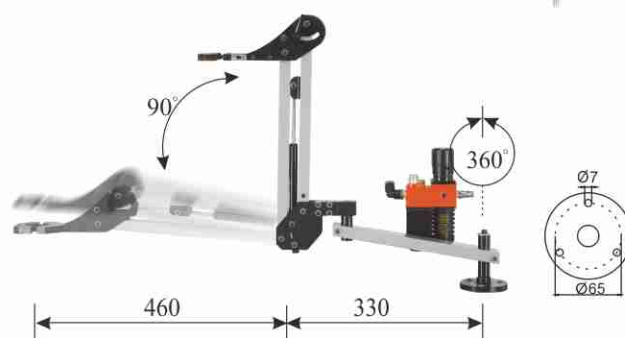


OP-12AK
Rear exhaust
後排氣

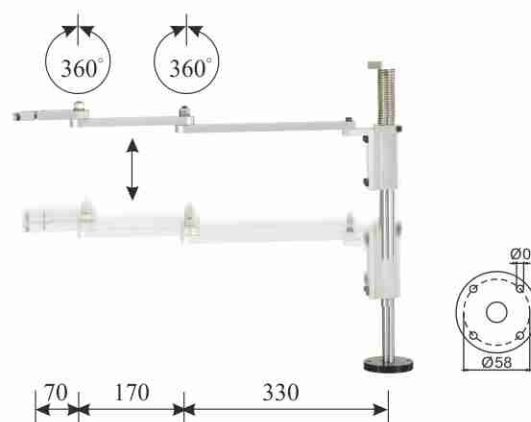
SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Tapping Capacity 攻牙能力		Free Speed 無負荷轉速 rpm	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭 P.T	Net Weight 重量		Sound Level 噪音值 dB(A)
	Aluminum鋁(mm)	Iron鐵(mm)		l/min	cfm	mm	inch		kg	lb	
OP-11AK	3~12	3~8	150	184	6.5	255	10.04	1/4	1.73	3.81	82
OP-08AK	2~8	2~4	350	226	8	290	11.42	1/4	1.68	3.7	87
OP-12AK	3~12	3~10	100	226	8	310	12.2	1/4	1.86	4.1	87

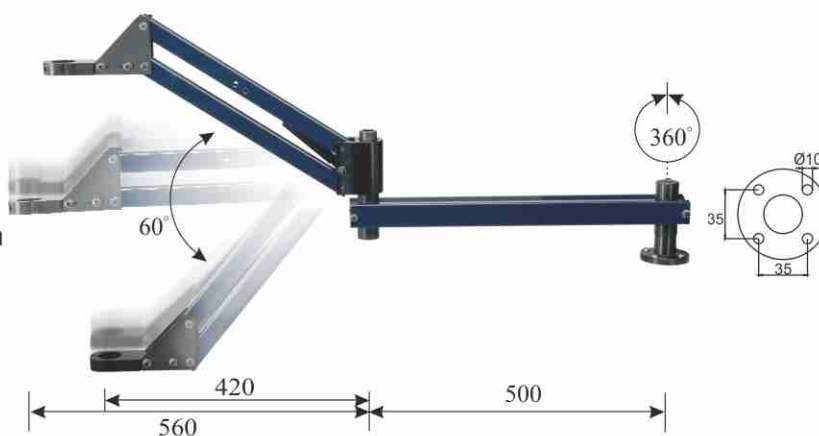
- Model / 型號 : **RB04**
- Net Weight / 重量 : 3.9kg
- Tool Diameter / 夾持直徑 : 34~40mm
- Clamping Jaw / 夾爪 : 



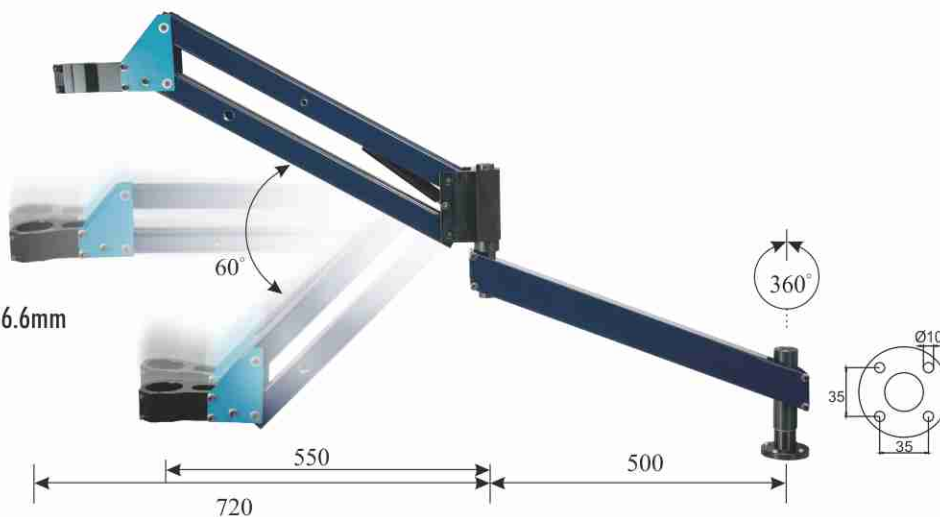
- Model / 型號 : **RB05**
- Net Weight / 重量 : 3.34kg
- Tool Diameter / 夾持直徑 : 32~40mm
- Clamping Jaw / 夾爪 : 



- Model / 型號 : **RB16**
- Net Weight / 重量 : 5.89kg
- Tool Diameter / 夾持直徑 : 38mm/44mm
- Clamping Jaw / 夾爪 : 



- Model / 型號 : **RB24**
- Net Weight / 重量 : 10.75kg
- Tool Diameter / 夾持直徑 : 56.6mm
- Clamping Jaw / 夾爪 : 



Air Angle Grinder

氣動角磨機



OP-1851 4"
Side exhaust
側排氣



OP-2850 4"
OP-2850A 5"
Front exhaust
前排氣



OP-3856 7"
Side exhaust
側排氣



OP-1851A 4"
Side exhaust
側排氣



OP-1850 4"
OP-1850A 5"
Front exhaust
前排氣



OP-3855 7"
Side exhaust
側排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Pad Size 尺寸		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Hose Size 風管尺寸		Motor Power 馬達功率	
	mm	inch		l/min	cfm	mm	inch		kg	lb	mm	inch	W	HP
OP-1851	101	4	10500	283	10	165	6.49	1/4	1	2.2	9.5	3/8	246	0.33
OP-2850	101	4	11000	452	16	235	9.25	1/4	2	4.41	9.5	3/8	470	0.63
OP-2850A	127	5	9500	452	16	235	9.25	1/4	2	4.41	9.5	3/8	470	0.63
OP-3856	177	7	7000	791	28	290	11.41	1/4	3.31	7.29	9.5	3/8	895	1.2
OP-1851A	101	4	10500	283	10	145	5.7	1/4	1	2.2	9.5	3/8	246	0.33
OP-1850	101	4	11000	452	16	245	9.65	1/4	2	4.41	9.5	3/8	470	0.63
OP-1850A	127	5	9500	452	16	245	9.65	1/4	2	4.41	9.5	3/8	470	0.63
OP-3855	177	7	7000	791	28	345	13.58	1/4	3.31	7.29	9.5	3/8	895	1.2

Air Angle Grinder

氣動角磨機

**OP-845P 4"**Rear exhaust
後排氣**OP-859P 5"**Rear exhaust
後排氣**OP-8591P 5"**Rear exhaust
後排氣**OP-CVG660B 6"**Vertical grinder
垂角型角磨機**OP-CVG945B 9"**Vertical grinder
垂直型角磨機SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Pad Size 尺寸		Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Hose Size 風管尺寸		Motor Power 馬達功率	
	mm	inch		l/min	cfm	mm	inch		kg	lb	mm	inch	W	HP
OP-845P	101	4	12000	396	14	303	11.92	1/4	1.5	3.3	9.5	3/8	746	1
OP-859P	127	5	11000	424	15	230	9.05	3/8	1.58	3.48	12.7	1/2	746	1
OP-8591P	127	5	11000	424	15	230	9.05	3/8	1.69	3.72	12.7	1/2	746	1
OP-CVG660B	150	6	5500	580	20.5	279	10.98	1/2	6.29	13.86	12.7	1/2	2835	3.8
OP-CVG945B	230	9	4500	580	20.5	279	10.98	1/2	6.05	13.33	12.7	1/2	2835	3.8

Air Die Grinder

氣動刻磨機

OP-G2120

Front exhaust
前排氣



OP-G2520

Front exhaust
Rotary type
前排氣
旋轉式



OP-G2220

Side exhaust
側排氣



OP-G2620

Side exhaust
Rotary type
側排氣
旋轉式



OP-G2320

Side exhaust
側排氣



OP-G2720

Side exhaust
Rotary type
側排氣
旋轉式



SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Chuck Size 夾頭尺寸	Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Hose Size 風管尺寸		Motor Power 馬達功率	
	mm	rpm	l/min	cfm	mm	inch	P.T	kg	lb	mm	inch	W	HP
OP-G2120	6	20000	410	14.5	170	6.69	1/4	1.16	2.55	9.5	3/8	746	1
OP-G2520	6	20000	410	14.5	175	6.88	1/4	1.06	2.33	9.5	3/8	746	1
OP-G2220	6	20000	410	14.5	320	12.59	1/4	1.63	3.59	9.5	3/8	746	1
OP-G2620	6	20000	410	14.5	325	12.79	1/4	1.52	3.35	9.5	3/8	746	1
OP-G2320	6	20000	410	14.5	595	23.42	1/4	2.87	6.32	9.5	3/8	746	1
OP-G2720	6	20000	410	14.5	600	23.62	1/4	2.75	6.06	9.5	3/8	746	1

Air Die Grinder

氣動刻磨機

**OP-GLH230**

Grinding stone: 30mm
Rear exhaust
磨石：30mm
後排氣

**OP-GLH750**

Rear exhaust
後排氣

**OP-190**

Exquisite grinder
Rear exhaust
細磨
後排氣

**OP-191K**

Coarse grinder
Rear exhaust
粗磨
後排氣

**OP-192K**

For poly
Rear exhaust
波麗專用
後排氣

**OP-1180LT**

Rear exhaust
後排氣

**OP-1281T**

Rear exhaust
後排氣

**OP-1181T**

Rear exhaust
後排氣

**OP-1082T**

Rear exhaust
後排氣

**OP-1180T**

Rear exhaust
後排氣

**OP-11805T**

Rear exhaust
後排氣

**OP-1201A**

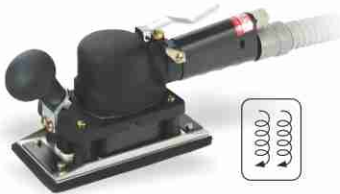
Front exhaust
前排氣

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Chuck Size 夾頭尺寸	Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量		Hose Size 風管尺寸		Motor Power 馬達功率	
	mm	rpm	l/min	cfm	mm	inch	P.T	kg	lb	mm	inch	W	HP
OP-GLH230	M7x0.75	23000	71	2.5	135	5.31	1/4	0.3	0.66	6.35	1/4		
OP-GLH750	3	75000	112	4.0	165	6.5	1/4	0.22	0.48	6.35	1/4		
OP-190	3	65000	85	3	130	5.12	1/4	0.25	0.55	6.35	1/4		
OP-191K	3	35000	127	4.5	130	5.12	1/4	0.28	0.62	6.35	1/4		
OP-192K	3	55000	85	3	130	5.12	1/4	0.32	0.7	6.35	1/4		
OP-1180LT	6	21000	297	10.5	290	11.41	1/4	0.71	1.56	9.5	3/8	230	0.3
OP-1281T	6	21000	283	10	160	6.29	1/4	0.53	1.17	9.5	3/8	230	0.3
OP-1181T	6	26000	297	10.5	285	11.22	1/4	0.65	1.43	9.5	3/8	230	0.3
OP-1082T	6	26000	311	11	150	5.9	1/4	0.36	0.79	9.5	3/8	230	0.3
OP-1180T	6	26000	325	11.5	230	9.05	1/4	0.54	1.19	9.5	3/8	230	0.3
OP-11805T	6	26000	283	10	190	7.48	1/4	0.46	1.01	9.5	3/8	230	0.3
OP-1201A	6	22000	381	13.5	170	6.69	1/4	0.62	1.37	9.5	3/8	383	0.5

Air Sander

氣動磨砂機



OP-2041D

Dust Free Dual Action Sander
自吸式砂光機



OP-2700D



OP-8001



OP-2031D

Dust Free Dual Action Sander
自吸式砂光機



OP-2700R

Dust Free Dual Action Sander
自吸式砂光機



OP-3011D

Dust Free Dual Action Sander
自吸式砂光機



OP-3051D

Dust Free Dual Action Sander
自吸式砂光機



OP-3261D3

Dust Free Dual Action Sander
自吸式砂光機



10mm Orbit Diameter
粗磨型



5mm Orbit Diameter
中細磨型



2.5mm Orbit Diameter
精拋型

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Pad Size 尺寸	Free Speed 無負荷轉速	Air Consumption 耗氣量		Net Weight 重量		Hose Size 風管尺寸		Orbit Diameter 偏擺直徑
	mm		l/min	cfm	kg	lb	mm	inch	
OP-2041D	93x176	8000	325	11.5	2.1	4.63	9.5	3/8	5
OP-2700D	95x135	6500	240	8.5	1.2	2.65	9.5	3/8	5
OP-8001	90x170	8000	297	10.5	2.2	4.85	9.5	3/8	5
OP-2031D	123	10000	311	11	1.9	4.19	9.5	3/8	10
OP-2700R	123	7500	240	8.5	1.28	2.82	9.5	3/8	5
OP-3011D	123	10000	198	7	1.1	2.43	9.5	3/8	5
OP-3051D	123	10000	184	6.5	0.9	1.98	9.5	3/8	5
OP-3261D3	73	10000	226	8	0.96	2.12	7.5	3/8	2.5

Air Belt Sander

氣動砂布環帶機



OP-9610



OP-9612



OP-9620



OP-9630



OP-3936

環布砂帶粒度規格表

Abrasive belt standards and grit list

Belt Size 砂帶尺寸	Grit 粒度	Order Code 訂貨號	M.O.Q (PCS) 最低採購量 (PCS)
10x330	60	AB10330G060P	100
	80	AB10330G080P	100
	100	AB10330G100P	100
	120	AB10330G120P	100
12.7x610	60	AB127610G060P	40
	80	AB127610G080P	40
	100	AB127610G100P	40
	120	AB127610G120P	40
20x520	60	AB20520G060P	100
	80	AB20520G080P	100
	100	AB20520G100P	100
	120	AB20520G120P	100
30x540	60	AB30540G060P	100
	80	AB30540G080P	100
	100	AB30540G100P	100
	120	AB30540G120P	100
60x260	60	AB60260G060P	50
	80	AB60260G080P	50
	100	AB60260G100P	50
	120	AB60260G120P	50

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Speed 轉速	Air Consumption 耗氣量		Belt Size 砂帶尺寸	Roller Size 發泡輪尺寸	Length 長度		Air Inlet 入氣接頭	Net Weight 重量	
	rpm	l/min	cfm	mm	mm	mm	inch	P.T	kg	lb
OP-9610	16000	328	11.6	10x330	-	290	11.4	1/4	0.9	1.98
OP-9612	16000	381	13.5	12.7x610	-	430	16.9	1/4	0.96	2.12
OP-9620	16000	381	13.5	20x520	-	360	14.17	1/4	1.2	2.65
OP-9630	15000	432	15.3	30x540	-	410	16.15	1/4	1.4	3.08
OP-3936	7000	268	9.5	60x260	60x Ø50	210	8.27	1/4	1.25	2.76

Air Rivet Nut Tool

氣動拉帽槍

Once rivet nut screw is damaged, it should be replaced immediately; otherwise, the tool will not be functional.
拉帽螺絲如有毀損應立即更換，否則將無法進行拉帽。



OP-PSLH16
Rear exhaust
後排氣



OP-601LC
Handle exhaust
下排氣



OP-PS6-G1
Handle exhaust
下排氣



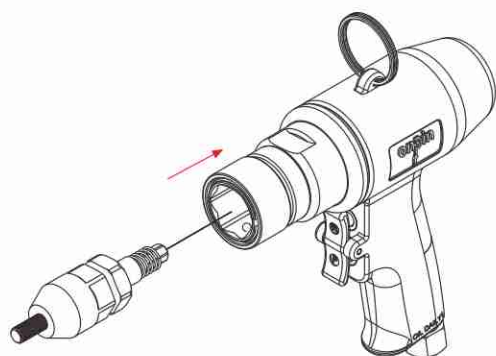
OP-PS10-G51
Side exhaust
側排氣

Nut Tools with Order Code Number Reference

Model 型號	OP-PSLH16	OP-601LC	OP-PS6-G1	OP-PS6107	OP-PS5232	OP-PS5210	OP-PS10-G51
Size 規格	Order Code 訂貨號						
M3	OP-PSLH16-3	OP-601LC-3	OP-PS6-G1-3	OP-PS6107-3	OP-PS5232-3		
M4	OP-PSLH16-4	OP-601LC-4	OP-PS6-G1-4	OP-PS6107-4	OP-PS5232-4		
M5	OP-PSLH16-5	OP-601LC-5	OP-PS6-G1-5	OP-PS6107-5	OP-PS5232-5	OP-PS5210-5	
M6	OP-PSLH16-6	OP-601LC-6	OP-PS6-G1-6	OP-PS6107-6		OP-PS5210-6	OP-PS10-G51-6
M8		OP-601LC-8				OP-PS5210-8	OP-PS10-G51-8
M10							OP-PS10-G51-10
3/16"			OP-PS6-G1-3/16"	OP-PS6107-3/16"	OP-PS5232-3/16"		
1/4"			OP-PS6-G1-1/4"	OP-PS6107-1/4"		OP-PS5210-1/4"	OP-PS10-G51-1/4"
5/16"						OP-PS5210-5/16"	OP-PS10-G51-5/16"
3/8"							OP-PS10-G51-3/8"

Air Rivet Nut Tool

氣動拉帽槍



OP-PS6107

Handle exhaust

The type of quick-changing

下排氣

快速變換型式



OP-PS5210

Handle exhaust

The type of quick-changing

下排氣

快速更換形式



OP-PS12-O1

Push start

Air hydraulic rivet nut tool

觸壓啟動型

氣動油壓式拉帽槍



OP-PS12-O2

Push start

Air hydraulic rivet nut tool

觸壓啟動型

氣動油壓式拉帽槍

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型號	Structure 構造			Free Speed 無負荷轉速	Air Consumption 耗氣量		Overall Length 全長		Air Inlet 入氣接頭	Net Weight 重量	
		mm	mm	rpm	l/min	cfm	mm	inch	P.T	kg	lb
OP-PSLH16	Gear	3, 4, 5, 6	3, 4, 5	1600	254	9	270	10.6	1/4	1.19	2.62
OP-601LC	Clutch type	3, 4, 5, 6, 8	3, 4, 5, 6	2700	198	7	230	9.06	1/4	1.3	2.87
OP-PS6-G1	Gear	3-6, 3/16", 1/4"	3-5, 3/16"	700	198	7	200	7.87	1/4	1.2	2.65
OP-PS6107	Gear	3-6, 3/16", 1/4"	3-5, 3/16"	700	198	7	200	7.87	1/4	1.26	2.77
OP-PS5232	Gear	3, 4, 5, 3/16"	3, 4	3200	240	8.5	205	8.07	1/4	1.48	3.26
OP-PS5210	Gear	5, 6, 8, 1/4", 5/16"	5, 6, 1/4"	1000	240	8.5	205	8.07	1/4	1.5	3.3
OP-PS10-G51	Gear	6, 8, 10, 1/4", 5/16", 3/8"	6, 8, 1/4", 5/16"	450	226	8	210	8.27	1/4	1.8	3.97
OP-PS12-O1	Hydraulic type	3, 4, 5, 6, 8, 10, 12	3, 4, 5, 6, 8, 10	1200			278	10.94	1/4	2.5	5.51
OP-PS12-O2	Hydraulic type	3, 4, 5, 6, 8, 10, 12	3, 4, 5, 6, 8, 10	2700			280	11.02	1/4	2.38	5.24

Air Riveter

氣動拉釘機



OP-T107V

Vacuum type
自吸式



OP-T107



OP-YS514

OP-YS614

Hydraulic type
油壓式



OP-YS01P

OP-YS02P

OP-YS03P

OP-YS04P

Hydraulic type
油壓式

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Blind Rivet Setting Capacity 拉釘規格	Traction Power 拉 力	Stroke Length 行 程	Air Consumption 耗 氣 量		Overall Length 全 長		Air Inlet 入氣接頭	Net Weight 重 量	
	For Aluminum & Steel AS 釘 規 格	LBS	mm	l/min	cfm	mm	inch	P.T	kg	lb
OP-T107V	2.4, 3.2, 4, 4.8 3/32", 1/8", 5/32", 3/16"	2000	21	99	3.5	340	13.38	1/4	1.5	3.31
OP-T107	2.4, 3.2, 4, 4.8 3/32", 1/8", 5/32", 3/16"	2000	21	99	3.5	230	9.05	1/4	1.4	3.09
OP-YS514	2.4, 3.2, 4, 4.8 3/32", 1/8", 5/32", 3/16"	2680	14	170	6	230	9.05	1/4	1.7	3.75
OP-YS614	2.4, 3.2, 4, 4.8, 5.6, 6.4 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"	4166	19	99	3.5	250	9.84	1/4	2.2	4.85
OP-YS01P	3.2, 4, 4.8 1/8", 5/32", 3/16"	1346	14	72	2.54	290	11.42	1/4	1.7	3.75
OP-YS02P	3.2, 4, 4.8 1/8", 5/32", 3/16"	2097	17	126	4.45	310	12.2	1/4	2.1	4.62
OP-YS03P	4, 4.8, 6.4 5/32", 3/16", 1/4"	2895	26	258	9.11	328	12.91	1/4	2.3	5.06
OP-YS04P	4, 4.8, 6.4 5/32", 3/16", 1/4"	4194	17	258	9.11	328	12.91	1/4	2.3	5.06

Air Body Tool

氣動板金工具



OP-S105
Air body saw
氣動鋸



OP-S1530
Air shear
氣動剪



OP-S7490
Air shear
氣動剪



OP-201
Air nipper tools
氣動剪線工具



OP-202
Air nipper tools
氣動剪線工具

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Cutting Capacity Thickness 剪切厚度能力	Cutting Capacity Diameter 剪切直徑能力		Air Consumption 耗 氣 量		Overall Length 全 長		Air Inlet 入氣接頭	Net Weight 重 量	
	Aluminum(mm)	Copper(mm)	Iron(mm)	l/mm	cfm	mm	inch	P.T	kg	lb
OP-S105	3.0			127	4.5	235	9.25	1/4	0.6	1.32
OP-S1530	1.9			325	11.5	210	8.26	1/4	1.26	2.78
OP-S7490	2.3			339	12	275	10.83	1/4	1.16	2.56
OP-201		1.0	0.5	28	1	140	5.51	1/4	0.2	1.44
OP-202		1.6	1.0	28	1	160	6.3	1/4	0.25	0.55



OP-CP1223
Air engraving pen
氣動雕刻筆



OP-J288
Air needle scaler
氣動除銹器



OP-288N
Air flux chipper
氣動雕刻刀

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm²)

MODEL 型 號	Blows Per Minute 衝擊數	Air Consumption 耗 氣 量		Overall Length 全 長		Air Inlet 入氣接頭	Net Weight 重 量	
	B.P.M	l/mm	cfm	mm	inch	P.T	kg	lb
OP-CP1223	2300	28	1	170	6.69	1/4	0.23	0.5
OP-J288	5500	283	10	290	11.41	1/4	1.19	2.62
OP-288N	4800	283	10	235	9.25	1/4	1.21	2.67

Spring Balancer

彈簧吊車



OP-SB01
OP-SB02
OP-SB03
OP-SB04

MODEL 型 號	Max Suspending Capacity 載重能力 KG	Max Stroke 最大行程 cm	Net Weight 重 量 kg
OP-SB01	0.5-1.2	160	0.56
OP-SB02	1.0-2.0	160	0.56
OP-SB03	2.0-3.0	160	0.56
OP-SB04	3.0-4.5	160	0.56



OP-CM-50

Air caulking gun
氣動膠槍

- Plastic gun size : 215~240mm
- Air pressure : 3kg/cm² (45 psi)
- Length : 280 mm
- Weight : 0.53 kg
- 使用膠管尺寸 : 215~240mm
- 最高空氣壓力 : 3kg/cm² (45 psi)
- 長度 : 280mm
- 重量 : 0.53kg

Air Tool Kit

氣動工具組



OP-301A1K

10PCS AIR IMPACT SCREWDRIVER KIT 10PCS 氣動衝擊起子組

- 1PC Air screwdriver
- 1PC Slotted 5mmx50mm
- 2PCS Slotted 6mmx50mm
- 1PC Phillips No.1x65mm
- 2PCS Phillips No.2x65mm
- 1PC Phillips No.2x100mm
- 1PC Air inlet
- 1PC Blow case



OP-301LA1K

9PCS AIR IMPACT SCREWDRIVER KIT 9PCS 氣動衝擊起子組

- 1PC Air screwdriver
- 2PCS Slotted 6mmx50mm
- 2PCS Phillips No.2x65mm
- 1PC Phillips No.2x100mm
- 1PC Air inlet
- 1PC Oil pot
- 1PC Blow case



OP-304A1K

10PCS ADJUSTABLE CLUTCH AIR SCREWDRIVER KIT 10PCS 離合式氣動起子組

- 1PC Air screwdriver
- 1PC Slotted 5mmx50mm
- 1PC Phillips No.1x65mm
- 2PCS Wrench
- 2PCS Spring
- 1PC Oil pot
- 1PC Air inlet
- 1PC Blow case



OP-301LCK

11PCS ADJUSTABLE CLUTCH AIR SCREWDRIVER KIT 11PCS 離合式氣動起子組

- 1PC Air screwdriver
- 2PCS Slotted 6mmx50mm
- 2PCS Phillips No.2x65mm
- 1PC Phillips No.2x100mm
- 2PCS Wrench
- 1PC Air inlet
- 1PC Oil pot
- 1PC Blow case



OP-306SL1K

21PCS 3/8" AIR IMPACT WRENCH KIT 21PCS 3/8" 氣動衝擊扳手組

- 1PC 3/8" Air impact wrench
- 8PCS 3/8" Socket 8-10-11-12-13-14-17-19mm
- 6PCS 1/4" Hex 4-5-6-7-8-10mmx30mm
- 2PCS Phillips No.2, 3x30mm
- 1PC Bit holder 3/8"x1/4"
- 1PC Oil pot
- 1PC Air regulator
- 1PC Blow case



OP-101K

9PCS 3/8" AIR DRILL KIT 9PCS 3/8" 氣鑽組

- 1PC 3/8" Air drill
- 1PC Phillips No.2x100mm
- 2PCS Phillips No.2x65mm
- 2PCS Slotted 6mmx50mm
- 1PC Air inlet
- 1PC Oil pot
- 1PC Blow case



OP-190MMK

190mm AIR HAMMER KIT 氣動鑿鏈組

- 1PC 190mm Air hammer
Overall length:181mm
Air consumption:4C.F.M
- 5PCS 175mm chisels
- 1PC Blow case
Piston Stroke:66mm
B.P.M.:3200



OP-250MMK

250mm AIR HAMMER KIT 氣動鑿鏈組

- 1PC 250mm Air hammer
Overall length:181mm
Air consumption:4C.F.M
- 5PCS 175mm chisels
- 1PC Blow case
Piston Stroke:98mm
B.P.M.:2200

OPERATIONAL INSTRUCTIONS OF TORQUE WRENCH

1. Set The Torque

- 1-1 Set the fixing button (A) at UNLOCK position and turn the adjusting handle(B) to set the required torque.
- 1-2 The reading of "0" on the handle(B) aligns with centerline of scale(C) "9" so as to acquire 9 Nm.

2. Instruction

- 2-1 After setting the torque, set the fixing button (A) at LOCK position. Install the appropriate socket and fixing on the work piece. Apply force on the handle of torque wrench and then stop applying force upon hearing "click" sound. Special attention should be paid when using lower torque for setting, because the "click" sound will be unclear.
- 2-2 It is at right angle while applying pressure on torque wrench (allowed $\pm 15^\circ$). Up, down, right and left sides should be within 15° .
- 2-3 After using the torque wrench, set the fixing button (A) at UNLOCK position. Twist the handle (B) to the scale torque of the lowest value and set the fixing button (A) at LOCK position.

3. Cautions

- 3-1 The first using or being left unused for longer time it is required to use once again, be sure to use higher torque to operate (80% of full-scale, press 10-15 times) so that the components within may be fully lubricated by the special-purpose lubricant oil. When it is not used, be sure to set the torque to the lowest value.
- 3-2 Torque wrench needs to be calibrated while using it for 5000 times or a year. The usual life time of usage will be 50000 times.
- 3-3 Do not keep applying pressure after reaching the preset torque or the work piece may get damaged.
- 3-4 Ratchet head (E) is consumables.
- 3-5 During the manufacturing, the torque wrench has been calibrated and tested in providing an accuracy as $\pm 4\%$. As such, it belongs to a kind of high-precision measuring instrument and only the well-trained professional can perform the service. Do not soak in any liquid to avoid affecting the lubrication inside.
- 3-6 The correct direction need to be taken while operating torque wrench. D spot of the picture shows a cursor which means the operating direction should be taken in that way so that torque wrench will be functional.
- 3-7 Except for tightening bolts, do not use in other conditions.
- 3-8 Do not use pipe to extend the shaft.
- 3-9 While applying pressure on torque wrench do not impact the instrument suddenly, not to put the weight of body and step on it; otherwise the work piece may get damaged.

扭力扳手使用說明

一、設定扭力

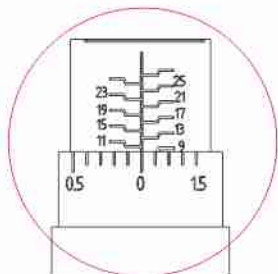
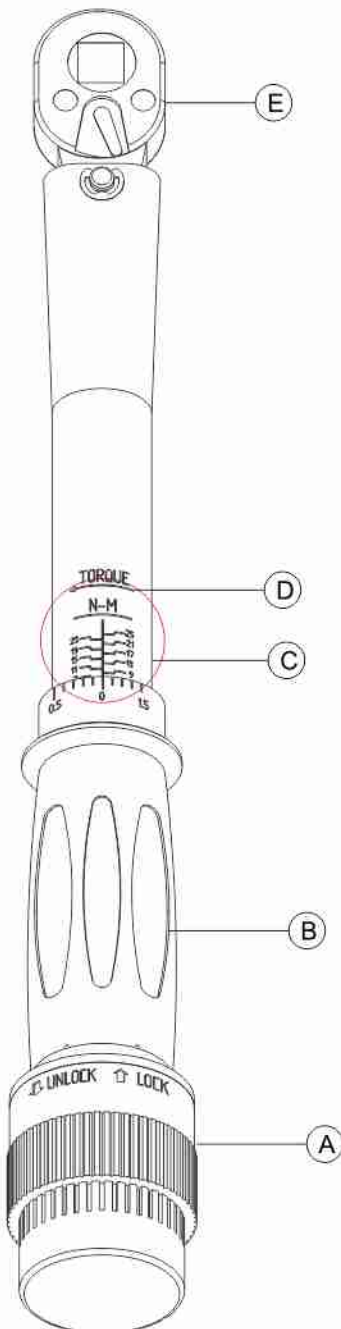
- 1-1 將開關(A)調整至UNLOCK方向，轉動把手(B)進行扭力調整。
- 1-2 把手(B)上刻度0對到扭力刻度(C)9的位置後，即得扭力為9Nm。

二、使用方法

- 2-1 設定完扭力後將開關(A)調整至LOCK方向。裝上適當的套筒，固定之。在手把處施力，聽到"卡達"一聲時，立刻停止施力。低扭力設定作業時，需特別注意，因為低扭力操作時聲響較不明顯。
- 2-2 施力的方向與扭力扳手成直角(允許正負15度)上下左右應在15度以內。
- 2-3 使用完畢後須將開關(A)調整至UNLOCK位置，轉動把手(B)，將扭力刻度(C)調回最低扭力，再將開關(A)調整至LOCK位置。

三、注意事項

- 3-1 第一次使用，或長期未使用之後再度使用時，先以高扭力操作(滿刻度的80%，壓10-15次)使內部特殊的潤滑劑可先潤滑內部組件。不使用時，請將扭力調至最低的扭力度。
- 3-2 扭力扳手使用5000次或一年，需進行校正。正常使用壽命為50000次。
- 3-3 達到預設扭力後又繼續施壓時會造成傷害。
- 3-4 快速頭組(E)是屬於消耗品。
- 3-5 扭力扳手在出廠之前，已經校正及測試，精確度可達 $\pm 4\%$ ，這是高精確測量儀器，因此，僅有專業人員才可做維修，切勿浸泡在任何液體中，否則會影響內部的潤滑。
- 3-6 扭力扳手有使用的方向性，圖中D處箭頭方向表示該扭力扳手沿該方向使用時才會起作用。
- 3-7 除了緊固螺帽外，不要用於其他用途。
- 3-8 請不要用管子加長手柄。
- 3-9 使用扭力扳手在施力的時候，不要對其進行突然衝擊，不要加上身體的重量，不要用腳踩。否則將會對扭力扳手造成損害。



Torque Wrench

扭力扳手



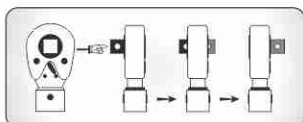
MODEL 型 號	Driver 規 格	Capacity 扭力範圍	Length 長 度	Net Weight 重 量
	inch	Nm	mm	kg
OP-60BK2	1/4	5-25	270	0.49
OP-60BK3	3/8	5-25	270	0.49
OP-80	3/8	20-110	365	0.83
OP-150	1/2	42-210	470	1.35
OP-250	1/2	70-350	630	2.45
OP-300	3/4	65-450	850	3.7
OP-500	3/4	140-700	1065	6
OP-700BK6	3/4	140-980	1225	6.5
OP-700BK8	1	140-980	1225	6.5

Torque Wrench

扭力扳手



MODEL 型 號	Driver 規 格	Capacity 扭力範圍		Length 長 度	Net Weight 重 量
	inch	Nm	ft-lb	mm	kg
OP-1808AK2	1/4	6-30	40-250inch-lb	300	0.58
OP-1808AK3	3/8	6-30	40-250inch-lb	300	0.58
OP-1810AK	3/8	20-100	15-75	420	1.4
OP-1818AK	1/2	40-200	30-150	525	1.6
OP-1820K	1/2	60-320		600	1.8
OP-1820AK	1/2		60-230	600	1.8



Equipped with left-right torque adjuster
扭力扳手功能右牙、左牙可調動扭力



MODEL 型 號	Driver 規 格	Capacity 扭力範圍		Length 長 度	Net Weight 重 量		
	inch	Nm	ft-lb	mm	kg		
OP-1313K2	1/4	6-30	40-250inch-lb	305	0.74	×	
OP-1313K3	3/8	6-30	40-250inch-lb	305	0.74	×	
OP-1314K	3/8	19-110	15-80	380	0.95	○	
OP-1315K	1/2	40-210	30-150	535	1.65	○	
OP-1316K	1/2	70-350	50-250	640	3.00	○	
OP-1317K	3/4	100-500	50-300	865	3.70	○	
OP-1318K	3/4	140-700	100-500	1090	6.25	○	
OP-1319K6	3/4	140-980	100-700	1230	6.80	×	
OP-1319K8	1	140-980	100-700	1230	6.80	×	

Torque Wrench

扭力扳手



MODEL 型 號	Driver 規 格	Capacity 扭力範圍		Length 長 度	Net Weight 重 量
	inch	Nm	ft-lb	mm	kg
OP-TA30N2	1/4	6-30		257	0.44
OP-TA110N3	3/8	20-110		436	1.12
OP-TA210N4	1/2	40-210		495	1.47
OP-TA350N4	1/2	70-350		560	1.62
OP-TA450N6	3/4	75-450		815	3.3
OP-TA800N6	3/4	100-800		1000	7.08
OP-TA1500N6	3/4	300-1500		1700	11.8
OP-TA1500N8	1	300-1500		1700	11.8
OP-TA250i2	1/4		40-200inch-lb	257	0.44
OP-TA80F3	3/8		10-100	436	1.12
OP-TA150F4	1/2		30-150	495	1.47
OP-TA250F4	1/2		30-250	560	1.62
OP-TA300F6	3/4		50-300	815	3.3
OP-TA600F6	3/4		100-600	1000	7.08
OP-TA1000F6	3/4		200-1000	1700	11.8
OP-TA1000F8	1		200-1000	1700	11.8

Adjustable Type Torque Wrench

可換式扭力扳手



OP-210N11K

TORQUE HANDLE SET

可換式扭力扳手組

9 PCS Spanner head 13, 14, 15, 17, 19, 22, 24, 27, 30mm

1 PC 1/2" Dr" ratchet head

1 PC Interchangeable torque wrench 40~210Nm

1 PC Blow case

□14x18



OP-80N8K

TORQUE HANDLE SET

可換式扭力扳手組

6 PCS Spanner head 17, 22, 24, 26, 27, 29mm

1 PC 1/2" Dr" ratchet head

1 PC Interchangeable torque wrench 15~80Nm

1 PC Blow case

□14x18

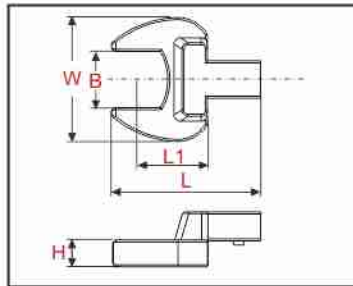


MODEL 型 號	Driver 規 格	Capacity 扭力範圍		Length 長 度	Net Weight 重 量
		mm	Nm		
OP-1708AK	9x12	6-30	50-250inch-lb	290	0.58
OP-1709AKA	9x12	10-60	9-45	370	0.8
OP-1709AKB	14x18	10-60	9-45	375	0.81
OP-1710AKA	9x12	20-100	15-75	400	1.14
OP-1710AKB	14x18	20-100	15-75	405	1.15
OP-1718AK	14x18	40-200	30-150	500	1.38
OP-1720AK	14x18	60-300		575	1.5
OP-1721AK	14x18		50-230	575	1.5

Changeable Head

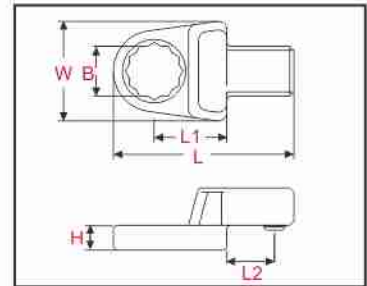
替換接頭

- Open Spanner Type
- 開口扳手型



單位 : (mm)

- Ring Spanner Head
- 梅花扳手型



單位 : (mm)

MODEL 型號	B mm	mm	W mm	H mm	L mm	L1 mm	Net Weight (g)
OP-T7	7	9x12	24	5	37	17.5	38
OP-T8	8		24	5	37	17.5	38
OP-T9	9		24	5.5	37.5	17.5	39
OP-T10	10		30	5.5	38.5	17.5	42
OP-T11	11		30	5.5	38.5	17.5	43
OP-T12	12		30	7	39.5	17.5	48
OP-T13	13		30	7	42	20	52
OP-T14	14		35	8	42	20	59
OP-T15	15		35	8	43	20	59
OP-T16	16		38	8.5	43.2	20	67
OP-T17	17		38	8.5	43.6	20	67
OP-T18	18		42	9	46	22	75
OP-T19	19		42	9	46	22	75

MODEL 型號	B mm	mm	W mm	H mm	L mm	L1 mm	L2 mm	Net Weight (g)
OP-T7A	7	9x12	24.9	5.0	42.4	17.5	11.5	42
OP-T8A	8		24.9	5.0	42.4	17.5	11.5	42
OP-T9A	9		24.9	5.5	43.9	17.5	11.5	42
OP-T10A	10		26.5	5.5	45.1	17.5	11.5	52
OP-T11A	11		26.5	6.0	45.2	17.5	11.5	50
OP-T12A	12		26.7	6.0	45.5	17.5	11.5	48
OP-T13A	13		27.2	7.0	49.0	20	11.5	60
OP-T14A	14		27.0	7.0	50.0	20	11.5	64
OP-T15A	15		27.0	8.0	50.2	20	11.5	64
OP-T16A	16		27.0	8.0	50.3	20	11.5	62
OP-T17A	17		28.6	9.0	53.9	22	11.5	74
OP-T18A	18		28.6	9.0	53.9	22	11.5	74
OP-T19A	19		38.0	9.0	72.3	22	11.5	68

MODEL 型號	B mm	mm	W mm	H mm	L mm	L1 mm	Net Weight (g)
OP-K13	13	14x18	35	7	62.5	32	148
OP-K14	14		35	8	63	32	154
OP-K15	15		35	8	64	32	154
OP-K16	16		38	9	64	32	173
OP-K17	17		38	9	64	32	173
OP-K18	18		42	10	65	32	192
OP-K19	19		42	10	65	32	193
OP-K21	21		50	11	66	32	217
OP-K22	22		53	11	66	32	222
OP-K24	24		53	11	67	32	225
OP-K26	26		60	13	70	34	273
OP-K27	27		60	13	70	34	281
OP-K29	29		66	14	74	34.8	312
OP-K30	30		66	14	74	36	312
OP-K32	32		66	14	76.5	37.5	322

MODEL 型號	B mm	mm	W mm	H mm	L mm	L1 mm	L2 mm	Net Weight (g)
OP-K13A	13	14x18	38.0	11.5	72.3	32	15	200
OP-K14A	14		38.0	11.5	72.3	32	15	200
OP-K15A	15		38.0	11.5	72.5	32	15	194
OP-K16A	16		38.0	12.0	72.5	32	15	204
OP-K17A	17		38.0	12.0	72.5	32	15	198
OP-K18A	18		44.0	13.5	74.5	32	15	234
OP-K19A	19		44.0	13.5	74.5	32	15	230
OP-K21A	21		41.0	14.5	75.6	32	15	236
OP-K22A	22		42.0	16.0	77.0	32	15	250
OP-K24A	24		42.0	16.0	78.0	32	15	254
OP-K26A	26		42.0	16.0	78.0	32	15	240
OP-K27A	27		43.4	17.0	81.5	34	15	280
OP-K29A	29		43.4	19.0	84.5	36	15	306
OP-K30A	30		47.3	19.0	86.7	36	15	328
OP-K32A	32		47.3	19.0	86.7	36	15	312

Torque Multiplier

扭力倍數器



MODEL 型號	Range(Max) 最大使用範圍		Ratio 比值	Input Square 輸入軸尺寸	Output Square 輸出軸尺寸	Length 長度	Net Weight 重量
	Input(Nm) 輸入	Output(Nm) 輸出				mm	kg
OP-1998A	1000	3000	1:3	3/4"	1"	500	6.49
OP-1998B	500	1500	1:3	1/2"	3/4"	420	3.09

Digital Torque Wrench

數位扭力扳手



- Accuracy: ±1%
- Memory: 10 Readings
- Unit Selection: Nm, ft.lb, in.lb, kg-m
- Operating Temperature: -15°C~55°C
- Battery: 1.5V AA Batteries x 3



MODEL 型號	Driver 規格	Capacity 扭力範圍	Length 長度	Net Weight 重量
	inch	Nm	mm	kg
OP-TB100N3	3/8	10~100	440	0.95
OP-TB100N4	1/2	10~100	440	1.06
OP-TB200N4	1/2	20~200	580	1.35

- 誤差值：±1%
- 記憶數：10組
- 單位選擇：Nm, ft.lb, in.lb, kg-m
- 使用環境溫度：-15°C~55°C
- 電池：1.5V AA 3顆

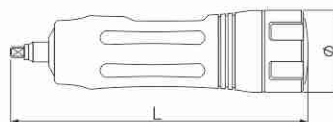


MODEL 型號	Driver 規格	Capacity 扭力範圍	Length 長度	Net Weight 重量
	mm	Nm	mm	kg
OP-TC100N	14 x 18	10~100	420	0.84
OP-TC200N	14 x 18	20~200	550	1.15

Torque Screwdriver

工業級扭力起子

OP-1405NT



MODEL 型號	φ外徑 / 徑長L	Max torque 最大扭力	Driver 規格	Net Weight 重量
	mm	Nm		kg
OP-1405NT	φ43/154	1~5	1/4"	0.33
OP-1408NT	φ43/154	1~8	1/4"	0.33
OP-1405NTL	φ43/235	1~5	1/4"	0.43
OP-1408NTL	φ43/235	1~8	1/4"	0.43

Exclusive Bit

專用起子頭



MODEL 型 號	Type 樣 式	Hex 規 格	Length 長 度	g 克	Packing 入 數
OP-102-0030	PH0	1/4"	30mm	8	1000pcs
OP-102-0130	PH1	1/4"	30mm	8	1000pcs
OP-102-0230	PH2	1/4"	30mm	8	1000pcs
OP-102-0330	PH3	1/4"	30mm	8	1000pcs
OP-102-0430	PH4	1/4"	30mm	8	1000pcs

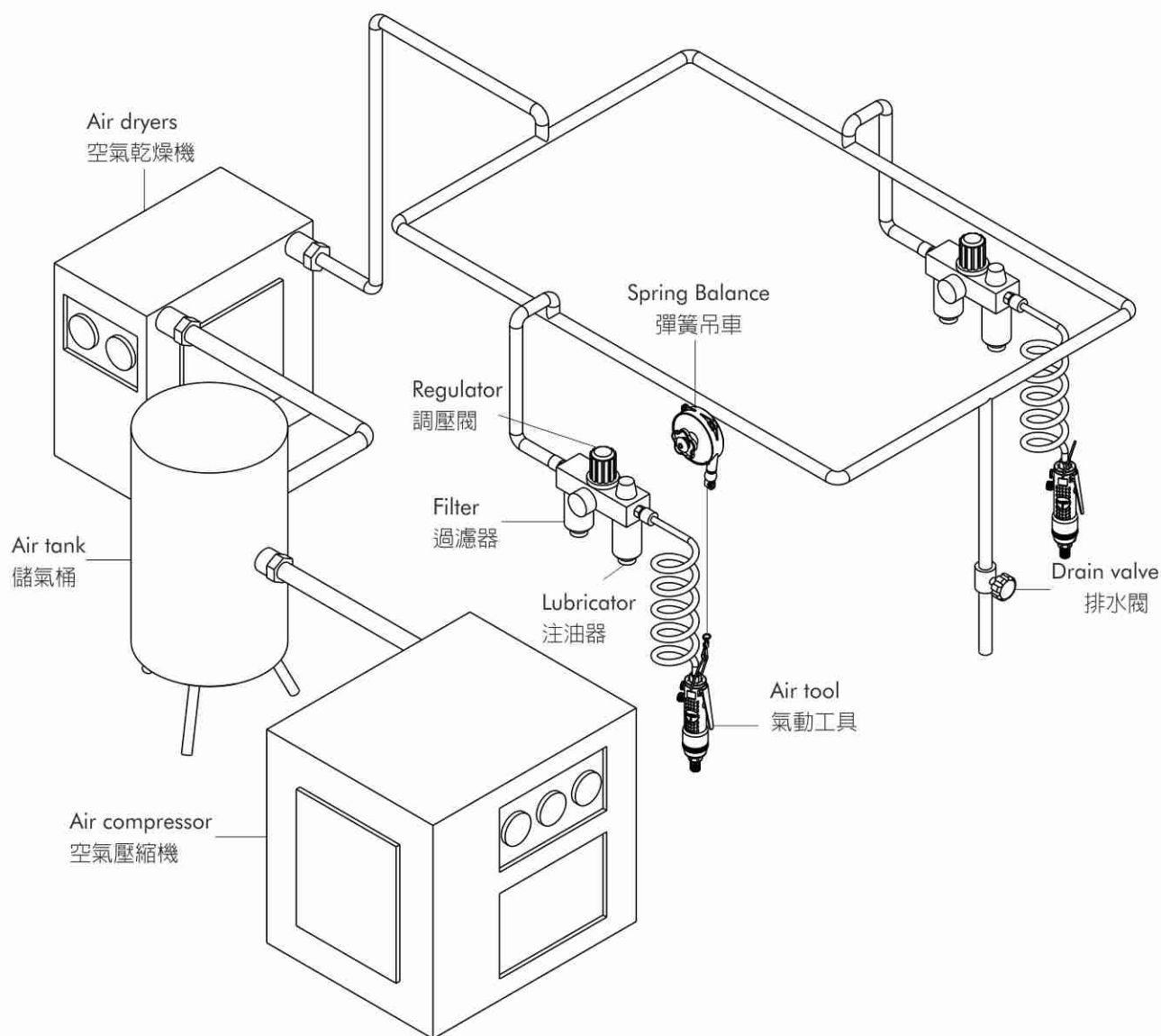


Exclusive for
專用起子頭

OP-106A
OP-106B

MODEL 型 號	Type 樣 式	Hex 規 格	Length 長 度	g 克	Packing 入 數
B4HPH0028	PH0	4mm	28mm	3	300PCS
B4HPH1028	PH1	4mm	28mm	3	300PCS

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Air Line Network**空氣輸送配置****CAUTION**

While installing air compressor system, be sure to have filters, oil-water separator, regulators, and lubricators in order to increase work efficiency, prolong the lifespan of air tools and reduce maintenance costs.

注意

配置空氣壓縮機系統中，必須配置：過濾器、油水分離器、壓力調節器及潤滑劑，以提高工作效率，延長氣動工具壽命，節省保養成本。



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CATALOGUE
2017-2018

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