

# Oil Pulse Wrench

油壓式扳手

## Features Of Oil Pulse Mechanism

**X-Shape Sealing improves repeatability and durability.**

**Twin drive roller blades reduce noise, vibration and improves impulse efficiency.**

**One hand reverse operation for Right or Left handed operators.**

**Low noise exhaust, 360° adjustable.**

**1 Piece design front end plate and cylinder improves motor efficiency.**

**Double chamber air motor**  
g Vanes motor design for smallest dimensions with highest power and acceleration results in a short time to reach the set torque and highest productivity.

**Easy Torque Adjustment**  
The required torque can be easily adjusted by turning the adjust screw through the housing.

**Reverse to reduce torque**  
**Forward to increase torque**

**Torque vs Time Graph:**  
Conventional Impact Wrench  
Adjustable range of Oil-Pulse Wrench  
0.2~1 sec

**Speed vs Torque Graph:**  
Conventional Motor  
Double-Chamber Motor

## Oil Pulse Screwdriver (In Line Type)

油壓式螺絲起子



OP-OSS10, OP-OSS15  
OP-OSS25, OP-OSS35  
Auto shut-off type  
全自動



OP-OSN14, OP-OSN21  
OP-OSN30, OP-OSN42  
Non shut-off type  
半自動

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm<sup>2</sup>)

MODEL 型號	Hex Driver Size 六角規格	Bolt Size Capacity 螺栓規格	Torque Range 扭力範圍		Free Speed 無負荷轉速	Air Inlet 入氣接頭	Air Consumption 耗氣量		Net Weight 重量		Sound Level 噪音值
	inch	mm	Nm	ft-lb	rpm	P.T	l/min	cfm	kg	lb	dB(A)
OP-OSS10	1/4	M4-M6	5-10	3.7-7.4	4500	1/4	400	14.13	0.87	1.92	80
OP-OSS15	1/4	M5-M8	9-15	6.6-11.1	6000	1/4	400	14.13	0.85	1.87	85
OP-OSS25	1/4	M6-M8	13-25	9.6-18.4	6000	1/4	400	14.13	0.88	1.94	85
OP-OSS35	1/4	M8-M10	20-35	14.8-25.8	6000	1/4	450	16	1.29	2.84	88
OP-OSN14	1/4	M4-M6	7-14	5.2-10.3	5600	1/4	400	14.13	0.87	1.92	80
OP-OSN21	1/4	M5-M8	13-21	9.6-15.5	6000	1/4	400	14.13	0.85	1.87	85
OP-OSN30	1/4	M6-M8	17-30	12.5-22.1	6000	1/4	400	14.13	0.88	1.94	85
OP-OSN42	1/4	M8-M10	25-42	18.4-31	6000	1/4	450	16	1.29	2.84	88

## Oil Pulse Wrench (In Line Type)

油壓式扳手



OP-OWS10D3, OP-OWS17D3  
OP-OWS28D3, OP-OWS42D3  
OP-OWS55D4  
Auto shut-off type  
全自動



OP-OWN17D3, OP-OWN25D3  
OP-OWN34D3, OP-OWN48D3  
OP-OWN57D4  
Non shut-off type  
半自動

SPECIFICATION (air pressure at 90psi、6.2bar、6.3kg/cm<sup>2</sup>)

MODEL 型號	Square Driver 套筒規格	Bolt Size Capacity 螺栓規格	Torque Range 扭力範圍		Free Speed 無負荷轉速	Air Inlet 入氣接頭	Air Consumption 耗氣量		Net Weight 重量		Sound Level 噪音值
	inch	mm	Nm	ft-lb	rpm	P.T	l/min	cfm	kg	lb	dB(A)
OP-OWS10D3	3/8	M4-M6	5-10	3.7-7.4	4500	1/4	400	14.13	0.87	1.92	80
OP-OWS17D3	3/8	M6-M8	10-17	7.4-12.5	6000	1/4	400	14.13	0.85	1.87	85
OP-OWS28D3	3/8	M6-M8	15-28	11.1-20.7	6000	1/4	400	14.13	0.88	1.94	85
OP-OWS42D3	3/8	M8-M10	25-42	18.4-31	6000	1/4	450	16	1.29	2.84	88
OP-OWS50D4	1/2	M10-M12	30-50	22.1-36.9	5600	1/4	450	16	1.3	2.87	88
OP-OWN17D3	3/8	M6-M8	9-17	6.6-12.5	6000	1/4	400	14.13	0.87	1.92	80
OP-OWN25D3	3/8	M6-M8	15-25	11.13-18.4	6000	1/4	400	14.13	0.85	1.87	85
OP-OWN34D3	3/8	M8-M10	20-34	14.8-25.1	6000	1/4	400	14.13	0.88	1.94	85
OP-OWN48D3	3/8	M8-M10	28-48	20.7-35.4	6000	1/4	450	16	1.29	2.84	88
OP-OWN57D4	1/2	M10-M12	35-57	25.8-42	6000	1/4	450	16	1.3	2.87	88

**Oil Pulse Screwdriver (Pistol Type)**

油壓式螺絲起子



OP-OSS10L, OP-OSS15L  
OP-OSS25L  
Auto shut-off type  
全自動



OP-OSS35L  
Auto shut-off type  
全自動

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm<sup>2</sup>)

MODEL 型號	Hex Driver Size 六角規格	Bolt Size Capacity 螺栓規格	Torque Range 扭力範圍		Free Speed 無負荷轉速	Air Inlet 入氣接頭	Air Consumption 耗氣量		Net Weight 重量		Sound Level 噪音值
	inch	mm	Nm	ft-lb	rpm	P.T	l/min	cfm	kg	lb	dB(A)
OP-OSS10L	1/4	M4-M6	5-10	3.7-7.4	4500	1/4	400	14.13	1.06	2.34	80
OP-OSS15L	1/4	M5-M8	9-15	6.6-11.1	5800	1/4	400	14.13	1.06	2.34	85
OP-OSS25L	1/4	M6-M8	13-25	9.6-18.4	5800	1/4	430	15.2	1.08	2.38	85
OP-OSS35L	1/4	M8-M10	20-35	14.8-25.8	5500	1/4	450	16	1.3	2.87	88



OP-OSN14L, OP-OSN21L  
OP-OSN30L  
Non shut-off type  
半自動



OP-OSN42L  
Non shut-off type  
半自動

SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm<sup>2</sup>)

MODEL 型號	Hex Driver Size 六角規格	Bolt Size Capacity 螺栓規格	Torque Range 扭力範圍		Free Speed 無負荷轉速	Air Inlet 入氣接頭	Air Consumption 耗氣量		Net Weight 重量		Sound Level 噪音值
	inch	mm	Nm	ft-lb	rpm	P.T	l/min	cfm	kg	lb	dB(A)
OP-OSN14L	1/4	M5-M8	7-14	5.2-10.3	5600	1/4	400	14.13	0.95	2.09	80
OP-OSN21L	1/4	M6-M8	13-21	9.06-15.5	6000	1/4	400	14.13	0.95	2.09	85
OP-OSN30L	1/4	M6-M8	17-30	12.5-22.1	6000	1/4	430	15.2	0.94	2.07	85
OP-OSN42L	1/4	M6-M10	25-42	18.4-3.1	5500	1/4	450	16	1.35	2.98	88

## Oil Pulse Wrench (Pistol Type)

### 油壓式扳手



OP-OWS10LD3  
OP-OWS17LD3  
OP-OWS28LD3  
Auto shut-off type  
全自動



OP-OWS42LD3  
OP-OWS50LD4  
Auto shut-off type  
全自動



OP-OWS80LD4  
Auto shut-off type  
全自動



OP-OWN17LD3  
OP-OWN25LD3  
OP-OWN34LD3  
Non shut-off type  
半自動



OP-OWN482LD3  
OP-OWN57LD4  
Non shut-off type  
半自動



OP-OWN90LD4  
Non shut-off type  
半自動

### SPECIFICATION(air pressure at 90psi、6.2bar、6.3kg/cm<sup>2</sup>)

MODEL 型號	Square Driver 套筒規格	Bolt Size Capacity 螺栓規格	Torque Range 扭力範圍		Free Speed 無負荷轉速	Air Inlet 入氣接頭	Air Consumption 耗氣量		Net Weight 重量		Sound Level 噪音值
	inch	mm	Nm	ft-lb	rpm	P.T	l/min	cfm	kg	lb	dB(A)
OP-OWS10LD3	3/8	M4-M6	5-10	3.7-7.4	4500	1/4	400	14.13	1.06	2.34	80
OP-OWS17LD3	3/8	M6-M8	10-17	7.4-12.5	5800	1/4	400	14.13	1.06	2.34	85
OP-OWS28LD3	3/8	M6-M8	15-28	11.1-20.7	5800	1/4	430	15.2	1.06	2.34	85
OP-OWS42LD3	3/8	M8-M10	25-42	18.4-31	5500	1/4	450	16	1.3	2.87	88
OP-OWS50LD4	1/2	M10-M12	30-50	22.1-36.9	5500	1/4	500	17.67	1.42	3.13	88
OP-OWS80LD4	1/2	M10-M12	40-80	29.5-58	5500	1/4	550	19.43	1.61	3.55	88
OP-OWN17LD3	3/8	M6-M8	9-17	6.6-12.5	5600	1/4	400	14.13	0.95	2.09	80
OP-OWN25LD3	3/8	M6-M8	15-25	11.13-18.4	5800	1/4	400	14.13	0.95	2.09	85
OP-OWN34LD3	3/8	M8-M10	20-34	14.8-25.1	5800	1/4	430	15.2	0.94	2.01	85
OP-OWN48LD3	3/8	M8-M10	28-48	20.7-35.4	5500	1/4	450	16	1.35	2.98	88
OP-OWN57LD4	1/2	M10-M12	35-57	25.8-42	5500	1/4	500	17.67	1.35	2.98	88
OP-OWN90LD4	1/2	M10-M12	50-90	36.9-66.4	5000	1/4	550	19.43	1.6	3.53	88