

- * **NEW PULSUS Wrenches**
- * **PULSUS Wrenches**
- * **PULSUS Drivers**



NEW PULSUS (Wrenches)

■ Non Shut off Type - Pistol Type -

● 9.5mm(3/8")Sq. Pin Hole Type Anvil



NPP-06



NPP-08

Figures of torque adjustment range are measured by NPK torque meters.
Recommended air pressure 0.6MPa(6kgf/cm², 85psi)

Model	code	Capacity (Bolt size)		Torque adjustment range (Reference)		Free speed min ⁻¹	Overall length		Mass		Spindle offset		Square shank size		Air inlet thread Rc or NPT	Hose size		Average air consumption	
		mm	in	N · m	ft · lb		mm	in	kg	lb	mm	in	in	mm		mm	in	m ³ /min	ft ³ /min
NPP-06	25775	6	1/4	22~37	16~27	6500	146	5 ³ / ₄	0.85	1.87	22.5	7/8	9.5	3/8	1/4	6.3	1/4	0.3	10.6
NPP-08	25777	8	5/16	35~50	26~37	6500	153	6	0.89	1.96	22.5	7/8	9.5	3/8	1/4	6.3	1/4	0.3	10.6

Specifications are subject to change without notice.

■ Shut off Type - Pistol Type -

● 9.5mm(3/8")Sq. Pin Hole Type Anvil



NPR-05



NPR-06



NPR-07

Figures of torque adjustment range are measured by NPK torque meters.
Recommended air pressure 0.6MPa(6kgf/cm², 85psi)

Model	code	Capacity (Bolt size)		Torque adjustment range(Hard joint)		Torque adjustment range(Soft joint)		Free speed min ⁻¹	Overall length		Mass		Spindle offset		Square shank size		Air inlet thread Rc or NPT	Hose size		Average air consumption	
		mm	in	N · m	ft · lb	N · m	ft · lb		mm	in	kg	lb	mm	in	mm	in		mm	in	m ³ /min	ft ³ /min
NPR-05	25779	5	1/4	10~15	7~11	7~11	5~8	4000	165	6 ¹ / ₂	1.0	2.2	23	7/8	9.5	3/8	1/4	6.3	1/4	0.35	12.4
NPR-06	25781	6	1/4	14~25	10~18	10~20	7~15	5000	171	6 ³ / ₄	1.1	2.4	23	7/8	9.5	3/8	1/4	6.3	1/4	0.35	12.4
NPR-07	25783	6~8	1/4~5/16	24~35	18~26	19~30	14~22	5000	171	6 ³ / ₄	1.1	2.4	23	7/8	9.5	3/8	1/4	6.3	1/4	0.35	12.4

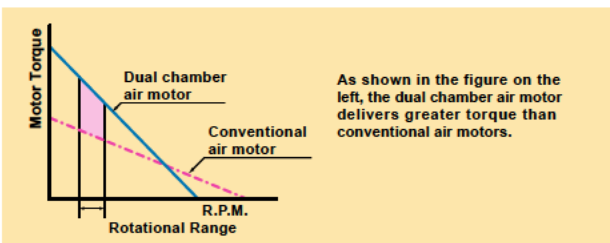
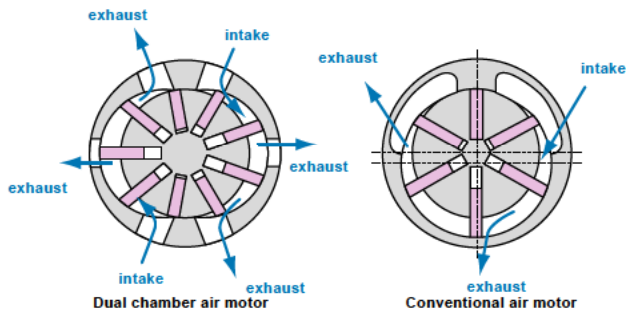
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Features of PULSUS Series Light, Compact with High Performance

The Pulse Wrench Increase Productivity Whilst Improving Quality of Work

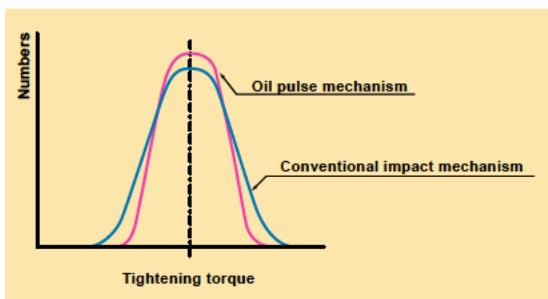
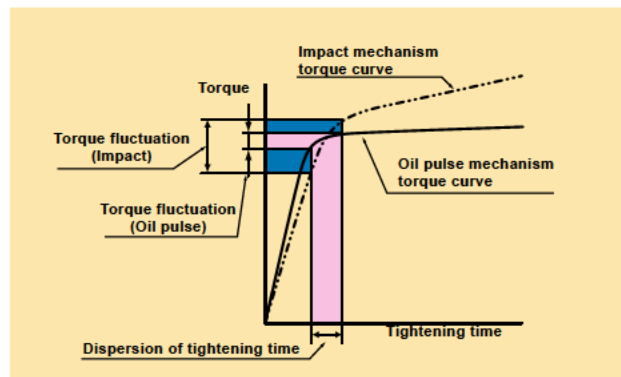
1 Light, Compact, with High-Performance

The use of a dual chamber motor reduces the weight more than 30% compared with conventional air motor.



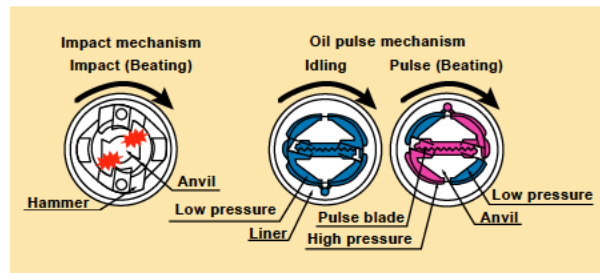
2 Highly-Accurate Tightening Torque

Since the oil pulse mechanism attains the set torque in a short time and besides the torque fluctuation by tightening time is less, the operator dose not need any skillfulness and stable and highly-accurate tightening torque can be obtained.



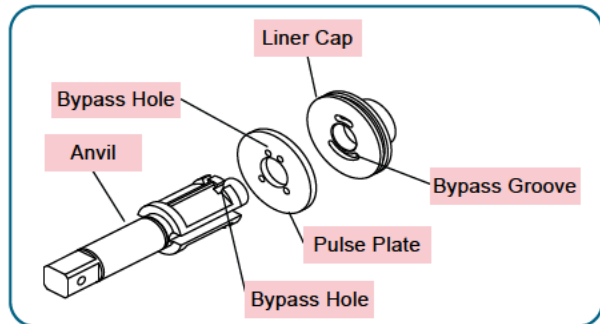
3 Low Vibration, Low Noise and High Durability (Patented)

The PULSUS adopts an oil pulse mechanism which dose not give direct impact to the Anvil trough the metallic part. In addition, the adoption of a sound proof mechanism reduces noise. Accordingly, operator's fatigue is alleviated and noise in the plant is reduced, thus improving the work environment. Besides, its durability is enhanced considerably.



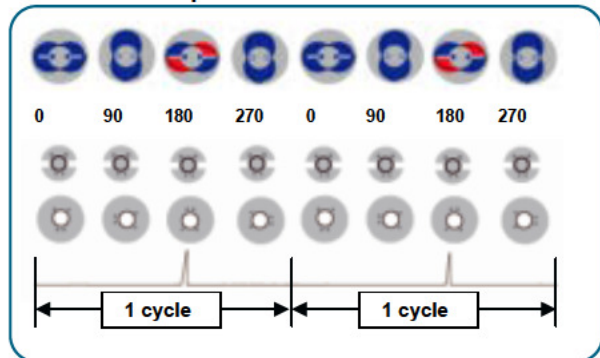
4 Accurate pulse generation (NPP,NPR series)

The bypass hole which is located on Anvil and Pulse plate connects punctually high and low pressure rooms only one time during one rotarion. This mechanism provides long life of pulse units and stable pulse generation than the current mechanism.



5 Pulse generation principle (NPP, NPR series)

Since the bypass mechanism can switch high and low pressure in pulse unit, a stable pulse wave can be generated inside pulse unit.



PULSUS (Wrenches)

■ Non Shut off type - Pistol Type -

● 9.5mm(3/8")Sq.



NPW-450A(P)-000
NPW-450A(S)-000



NPW-550A(P)-000
NPW-550A(S)-000



NPW-650A(P)-000
NPW-650A(S)-000



NPW-800B(P)-000
NPW-800B(S)-000

● 12.7mm(1/2") Sq.



NPW-1000A(P)-000
NPW-1000A(S)-000



NPW-1200A(P)-000
NPW-1200A(S)-000



NPW-1400A(P)-000
NPW-1400A(S)-000



NPW-1600A(P)-000
NPW-1600A(S)-000

● 19.05mm(3/4")

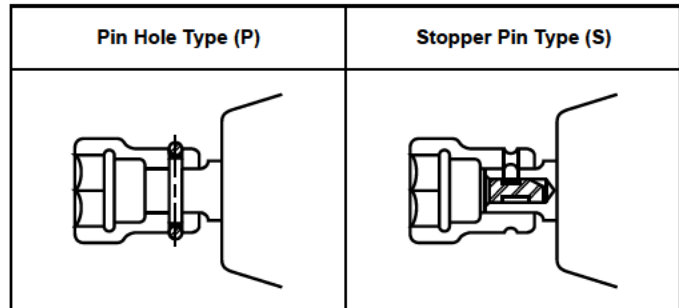
■ Non Shut off type - Straight Type -

● 9.5mm(3/8")Sq.



NPW-450EA(P)-000
NPW-450EA(S)-000

Socket Retaining Methods



Figures of torque adjustment range are measured by NPK torque meters.
Recommended air pressure 0.6MPa(6kgf/cm², 85psi)

Model	code	Capacity (Bolt size)		Torque adjustment range (Reference)		Free speed min ⁻¹	Overall length		Mass		Spindle offset		Square shank size		Air inlet thread Rc or NPT	Hose size		Average air consumption	
		mm	in	N · m	ft · lb		mm	in	kg	lb	mm	in	mm	in		mm	in	m ³ /min	ft ³ /min
NPW-450A(P)-000	25027	6	1/4	25~42	18~31	6500	154	6 ¹ / ₁₆	0.93	2.05	23	7/8	9.5	3/8	1/4	6.3	1/4	0.3	10.6
NPW-450A(S)-000	25031	6	1/4	25~42	18~31	6500	154	6 ¹ / ₁₆	0.93	2.05	23	7/8	9.5	3/8	1/4	6.3	1/4	0.3	10.6
NPW-550A(P)-000	25029	8	5/16	27~52	20~38	6500	159	6 ¹ / ₄	1.0	2.20	23	7/8	9.5	3/8	1/4	9.5	3/8	0.35	12.4
NPW-550A(S)-000	25049	8	5/16	27~52	20~38	6500	159	6 ¹ / ₄	1.0	2.20	23	7/8	9.5	3/8	1/4	9.5	3/8	0.35	12.4
NPW-650A(P)-000	25059	8~10	5/16~3/8	44~64	32~47	5500	172	6 ³ / ₄	1.06	2.33	23	7/8	9.5	3/8	1/4	9.5	3/8	0.45	15.9
NPW-650A(S)-000	25061	8~10	5/16~3/8	44~64	32~47	5500	172	6 ³ / ₄	1.06	2.33	23	7/8	9.5	3/8	1/4	9.5	3/8	0.45	15.9
NPW-800B(P)-000	25067	10	3/8	64~93	47~69	5300	178	7	1.45	3.19	26	1	9.5	3/8	1/4	9.5	3/8	0.5	17.7
NPW-800B(S)-000	25069	10	3/8	64~93	47~69	5300	178	7	1.45	3.19	26	1	9.5	3/8	1/4	9.5	3/8	0.5	17.7
NPW-1000A(P)-000	25308	12	1/2	70~110	52~81	5300	192	7 ⁹ / ₁₆	1.9	4.18	32	1 ¹ / ₄	12.7	1/2	1/4	9.5	3/8	0.55	19.4
NPW-1000A(S)-000	25307	12	1/2	70~110	52~81	5300	192	7 ⁹ / ₁₆	1.9	4.18	32	1 ¹ / ₄	12.7	1/2	1/4	9.5	3/8	0.55	19.4
NPW-1200A(P)-000	25312	12~14	1/2~9/16	90~137	66~101	4200	195	7 ¹¹ / ₁₆	2.3	5.06	35	1 ³ / ₈	12.7	1/2	1/4	9.5	3/8	0.6	21.2
NPW-1200A(S)-000	25314	12~14	1/2~9/16	90~137	66~101	4200	195	7 ¹¹ / ₁₆	2.3	5.06	35	1 ³ / ₈	12.7	1/2	1/4	9.5	3/8	0.6	21.2
NPW-1400A(P)-000	25316	14	9/16	118~167	87~123	3500	218	8 ⁹ / ₁₆	2.8	6.16	36	1 ⁷ / ₁₆	12.7	1/2	1/4	9.5	3/8	0.8	28.3
NPW-1400A(S)-000	25328	14	9/16	118~167	87~123	3500	218	8 ⁹ / ₁₆	2.8	6.16	36	1 ⁷ / ₁₆	12.7	1/2	1/4	9.5	3/8	0.8	28.3
NPW-1600A(P)-000	21945	16	5/8	129~210	95~155	3000	240	9 ¹ / ₁₆	3.6	7.92	40	1 ⁹ / ₁₆	19.05	3/4	1/4	9.5	3/8	0.9	31.8
NPW-1600A(S)-000	25329	16	5/8	129~210	95~155	3000	240	9 ¹ / ₁₆	3.6	7.92	40	1 ⁹ / ₁₆	19.05	3/4	1/4	9.5	3/8	0.9	31.8
NPW-450EA(P)-000	25299	6	1/4	21~34	15~25	6000	242	9 ¹ / ₂	0.88	1.94	23	7/8	9.5	3/8	1/4	6.3	1/4	0.23	8.1
NPW-450EA(S)-000	25738	6	1/4	21~34	15~25	6000	242	9 ¹ / ₂	0.88	1.94	23	7/8	9.5	3/8	1/4	6.3	1/4	0.23	8.1

Specifications are subject to change without notice.

■ Shut off type - Pistol Type -

● 9.5mm(3/8") Sq.



NPW-450A(P)-T00
NPW-450A(S)-T00



NPW-550A(P)-T00
NPW-550A(S)-T00

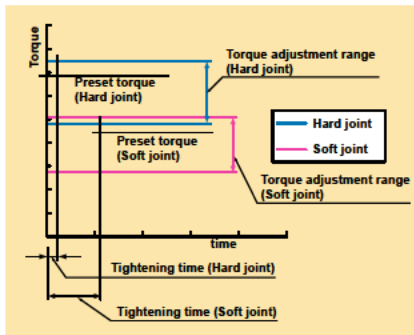


NPW-650A(P)-T00
NPW-650A(S)-T00



NPW-800B(P)-T00
NPW-800B(S)-T00

Shut Off Type



The PULSUS Shut Off system allows soft joints, with washers or gaskets, and hard joints with no prevailing torque, to be tightened accurately. To repeat and maintain accurate torque values, the Shut Off system automatically stops the air motor.

Figures of torque adjustment range are measured by NPK torque meters.
Recommended air pressure 0.6MPa(6kgf/cm², 85psi)

Model	code	Capacity (Bolt size)		Torque adjustment range(Hard joint)		Torque adjustment range(Soft joint)		Free speed	Overall length		Mass		Spindle offset		Square shank size		Air inlet thread	Hose size		Average air consumption	
		mm	in	N · m	ft · lb	N · m	ft · lb		mm	in	kg	lb	mm	in	mm	in		Rc or NPT	mm	in	m ³ /min
NPW-450A(P)-T00	25033	6	1/4	20~29	15~21	10~20	7~15	6000	191	7 1/2	1.3	2.9	24	15/16	9.5	3/8	1/4	6.3	1/4	0.35	12.4
NPW-450A(S)-T00	25037	6	1/4	20~29	15~21	10~20	7~15	6000	191	7 1/2	1.3	2.9	24	15/16	9.5	3/8	1/4	6.3	1/4	0.35	12.4
NPW-550A(P)-T00	25045	6~8	1/4~5/16	26~39	19~29	15~27	11~20	6000	191	7 1/2	1.3	2.9	24	15/16	9.5	3/8	1/4	6.3	1/4	0.35	12.4
NPW-550A(S)-T00	25051	6~8	1/4~5/16	26~39	19~29	15~27	11~20	6000	191	7 1/2	1.3	2.9	24	15/16	9.5	3/8	1/4	6.3	1/4	0.35	12.4
NPW-650A(P)-T00	25063	8~10	5/16~3/8	39~54	29~40	25~44	18~32	5800	206	8 1/8	1.5	3.3	25	1	9.5	3/8	1/4	9.5	3/8	0.45	15.9
NPW-650A(S)-T00	25065	8~10	5/16~3/8	39~54	29~40	25~44	18~32	5800	206	8 1/8	1.5	3.3	25	1	9.5	3/8	1/4	9.5	3/8	0.45	15.9
NPW-800B(P)-T00	25071	10	3/8	57~74	42~55	34~61	25~45	5500	212	8 3/8	1.7	3.7	26	1	9.5	3/8	1/4	9.5	3/8	0.5	17.7
NPW-800B(S)-T00	25073	10	3/8	57~74	42~55	34~61	25~45	5500	212	8 3/8	1.7	3.7	26	1	9.5	3/8	1/4	9.5	3/8	0.5	17.7

Specifications are subject to change without notice.

PULSUS (Screw Drivers)

■ Non Shut off type - Pistol Type -

● 6.35mm(1/4")Hex. Quick Change Chuck Type



NPW-450A-DX0
NPW-450A-DY0



NPW-550A-DX0
NPW-550A-DY0

■ Non Shut off type - Straight Type -

● 6.35mm(1/4")Hex. Quick Change Chuck Type



NPW-450EA-DX0
NPW-450EA-DY0

Bits of Screw Drivers

Bit Type	Shape	Model
X Type		NPW-450A-DX0 NPW-550A-DX0 NPW-450EA-DX0 NPW-450A-TDX NPW-550A-TDX
Y Type		NPW-450A-DY0 NPW-550A-DY0 NPW-450EA-DY0 NPW-450A-TDY NPW-550A-TDY

Figures of torque adjustment range are measured by NPK torque meters.
Recommended air pressure 0.6MPa(6kgf/cm², 85psi)

Model	code	Capacity (Bolt size)		Torque adjustment range (Reference)		Free speed	Overall length		Mass		Spindle offset		Hex. shank size		Airinlet thread		Hose size		Average air consumption	
		mm	in	N · m	ft · lb		min ⁻¹	mm	in	kg	lb	mm	in	mm	in	Rc or NPT	mm	in	m ³ /min	ft ³ /min
NPW-450A-DX0	25039	6	1/4	25~31	18~23	6500	157	6 ³ / ₁₆	0.93	2.05	23	7/8	6.35	1/4	1/4	6.3	1/4	0.3	10.6	
NPW-450A-DY0	25041	6	1/4	25~31	18~23	6500	157	6 ³ / ₁₆	0.93	2.05	23	7/8	6.35	1/4	1/4	6.3	1/4	0.3	10.6	
NPW-550A-DX0	25053	8	5/16	27~39	20~29	6500	160	6 ⁵ / ₁₆	1.0	2.20	23	7/8	6.35	1/4	1/4	9.5	3/8	0.35	12.4	
NPW-550A-DY0	25055	8	5/16	27~39	20~29	6500	160	6 ⁵ / ₁₆	1.0	2.20	23	7/8	6.35	1/4	1/4	9.5	3/8	0.35	12.4	
NPW-450EA-DX0	25303	6	1/4	21~29	15~21	6000	244	9 ⁵ / ₈	0.88	1.94	23	7/8	6.35	1/4	1/4	6.3	1/4	0.23	8.1	
NPW-450EA-DY0	25305	6	1/4	21~29	15~21	6000	244	9 ⁵ / ₈	0.88	1.94	23	7/8	6.35	1/4	1/4	6.3	1/4	0.23	8.1	

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■ Shut off type - Pistol Type -

● 6.35mm(1/4")Hex. Quick Change Chuck Type

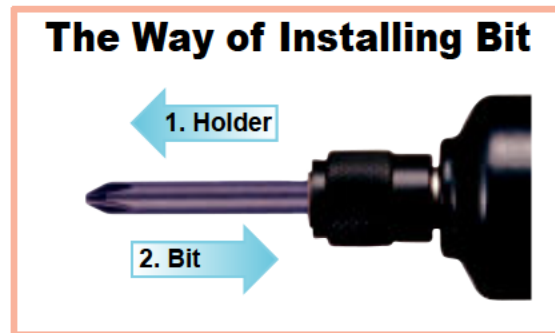
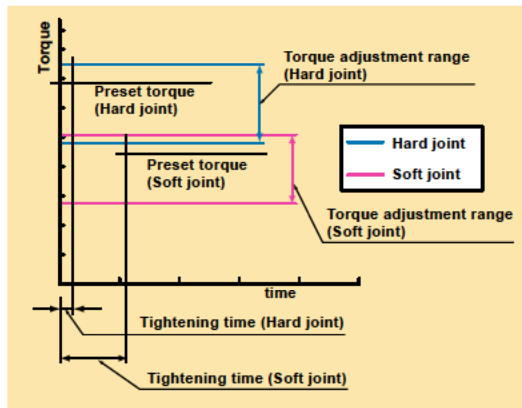


NPW-450A-TDX
NPW-450A-TDY



NPW-550A-TDX
NPW-550A-TDY

Shut Off Type



The PULSUS Shut Off system allows soft joints, with washers or gaskets, and hard joints with no prevailing torque, to be tightened accurately. To repeat and maintain accurate torque values, the Shut Off system automatically stops the air motor.

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Recommended air pressure 0.6MPa(6kgf/cm², 85psi)

Model	code	Capacity (Bolt size)		Torque adjustment range(Hard joint)		Torque adjustment range(Soft joint)		Free speed	Overall length		Mass		Spindle offset		Hex. shank size	Air inlet thread	Hose size		Average air consumption		
		mm	in	N · m	ft · lb	N · m	ft · lb		min ⁻¹	mm	in	kg	lb	mm			in	mm	in	m ³ /min	ft ³ /min
NPW-450A-TDX	25035	6	1/4	20~27	15~20	10~18	7~13	6000	197	7 ³ / ₄	1.3	2.9	24	15/16	6.35	1/4	1/4	6.3	1/4	0.35	12.4
NPW-450A-TDY	25043	6	1/4	20~27	15~20	10~18	7~13	6000	197	7 ³ / ₄	1.3	2.9	24	15/16	6.35	1/4	1/4	6.3	1/4	0.35	12.4
NPW-550A-TDX	25047	8	5/16	26~33	19~24	15~26	11~19	6000	197	7 ³ / ₄	1.3	2.9	24	15/16	6.35	1/4	1/4	6.3	1/4	0.35	12.4
NPW-550A-TDY	25057	8	5/16	26~33	19~24	15~26	11~19	6000	197	7 ³ / ₄	1.3	2.9	24	15/16	6.35	1/4	1/4	6.3	1/4	0.35	12.4

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PULSUS Torque Range (N.m)

Torque N • m

