

# Pulsus Tools

Nippon Pneumatic

## Pistol Pulsus Wrench

- Ergonomic Grip
- Reduced Trigger Pull
- Unique Oil Bypass Port
- Single Blow per Revolution
- Significant Oil Life Extension

**N-DuraPulse**  
Manufactured by **NPK®**

The N-DuraPulse Series' unique single bypass inertia pulse mechanism delivers adjustable, yet stable, tightening torque while extending the oil life and decreasing the downtime for routine maintenance.

The ergonomic grip and reduced trigger pull also make this series more comfortable and less taxing for the operator.



Model NPP-06PTS



Model NPP-08PTS

**NPK®**

### Pulsus Wrench Specifications

Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPP-06PTS NPP-08PTS	3/8" Sq.	Pin-Type	6500 rpm	16-27 ft.-lbs. 26-37 ft.-lbs.	5-3/4" 6"	1.87 lbs. 1.96 lbs.	1/4"	1/4"	10.6 cfm

Nippon Pneumatic

## Automatic Shut-Off Pulsus Wrench



Model NPR-05PTS



Model NPR-06PTS



Model NPR-07PTS

**NPK®**

### Automatic Shut-Off Pulsus Wrench Specifications

Model No.	Shank Size	Retainer Type	Free Speed	Torque Range (soft joint)	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPR-05PTS	3/8" Sq.	Pin-Type	6000 rpm	5-8 ft.-lbs.	6-1/2"	2.2 lbs.	1/4"	1/4"	12.4 cfm
NPR-06PTS	3/8" Sq.		6000 rpm	7-15 ft.-lbs.	6-3/4"	2.4 lbs.			12.4 cfm
NPR-07PTS	3/8" Sq.		5800 rpm	14-22 ft.-lbs.	6-3/4"	2.4 lbs.			12.4 cfm
NPR-08PTS	3/8" Sq.		5800 rpm	22-36 ft.-lbs.	7"	3.1 lbs.			15.9 cfm
NPR-09PTS	1/2" Sq.		5500 rpm	36-59 ft.-lbs.	7-11/16"	3.7 lbs.			17.7 cfm
NPR-10PTS	1/2" Sq.		5300 rpm	59-80 ft.-lbs.	7-11/16"	4.4 lbs.			19.4 cfm

## Pistol Pulsus Wrench & Screwdriver

# NPK®



**NPW-450A-DX0**  
1/4" Female Hex  
Pulsus Screwdriver



**NPW-650APTS-000**  
3/8" Sq. Drive  
Pulsus Wrench



**NPW-1600APTS-000**  
3/4" Sq. Drive  
Pulsus Wrench

**NPK's** "Pulsus" oil pulse mechanism tools feature a dual chambered air motor, which needs no lubrication and provides low vibration, low noise, and high durability. These lightweight, compact tools offer high performance and highly accurate tightening torque with easy torque adjustment. Other features include an ergonomic grip and a quick reverse that can be moved from the left side of the tool to the right side for left handed operation.

### Pulsus Wrench Specifications

Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-450APTS-000	3/8" Sq.	Pin-Type	6500 rpm	18-31 ft.-lbs.	6-1/16"	2.0 lbs.	1/4"	1/4"	10.6 cfm
NPW-550APTS-000	3/8" Sq.		6500 rpm	20-38 ft.-lbs.	6-1/4"	2.2 lbs.	3/8"		12.4 cfm
NPW-650APTS-000	3/8" Sq.		5500 rpm	32-47 ft.-lbs.	6-3/4"	2.3 lbs.	3/8"		15.9 cfm
NPW-800BPTS-000	3/8" Sq.		5300 rpm	47-69 ft.-lbs.	7"	3.2 lbs.	3/8"		17.7 cfm
NPW-1000APTS-000	1/2" Sq.		5300 rpm	52-81 ft.-lbs.	7-9/16"	4.2 lbs.	3/8"		19.4 cfm
NPW-1200APTS-000	1/2" Sq.		4200 rpm	66-101 ft.-lbs.	7-11/16"	5.1 lbs.	3/8"		21.2 cfm
NPW-1400APTS-000	1/2" Sq.		3500 rpm	87-123 ft.-lbs.	8-9/16"	6.2 lbs.	3/8"		28.3 cfm
NPW-1600APTS-000	3/4" Sq.		3000 rpm	95-155 ft.-lbs.	9-7/16"	7.9 lbs.	3/8"		31.8 cfm

### Pulsus Screwdriver Specifications

Model No.	Shank Size	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-450A-DX0	1/4" Hex	6500 rpm	18-23 ft.-lbs.	6-3/16"	2.0 lbs.	3/8"	1/4"	10.6 cfm
NPW-550A-DX0			20-29 ft.-lbs.	6-5/16"	2.2 lbs.			12.4 cfm

## Automatic Shut-Off Pulsus Wrench & Screwdriver

# NPK®



**NPW-450A-TDX**  
1/4" Female Hex Pulsus Screwdriver

**NPW-800BPTS-T00**  
3/8" Sq. Drive Pulsus Wrench

**NPW-550APTS-T00**  
3/8" Sq. Drive Pulsus Wrench

**NPK's** "Pulsus" oil pulse mechanism tools feature a dual chambered air motor, which needs no lubrication and provides low vibration, low noise, and high durability. These lightweight, compact tools offer high performance and highly accurate tightening torque with easy torque adjustment. Other features include an ergonomic grip and a quick reverse that can be moved from the left side of the tool to the right side for left handed operation.

### Automatic Shut-Off Pulsus Wrench Specifications

Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-450APTS-T00	3/8" Sq.	Pin-Type	6000 rpm	15-21 ft.-lbs.	7-1/2"	2.9 lbs.	1/4"	1/4"	12 cfm
NPW-550APTS-T00			6000 rpm	19-29 ft.-lbs.	7-1/2"	2.9 lbs.	1/4"		12 cfm
NPW-650APTS-T00			5800 rpm	29-40 ft.-lbs.	8-1/8"	3.3 lbs.	3/8"		16 cfm
NPW-800BPTS-T00			5500 rpm	42-55 ft.-lbs.	8-3/8"	3.7 lbs.	3/8"		18 cfm

### Automatic Shut-Off Pulsus Screwdriver Specifications

Model No.	Shank Size	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-450A-TDX	1/4" Hex	6000 rpm	15-20 ft.-lbs.	7-3/4"	2.9 lbs.	1/4"	1/4"	12 cfm
NPW-550A-TDX			19-24 ft.-lbs.	7-3/4"	3.0 lbs.	3/8"		

## Straight Pulsus Wrench & Screwdriver



**NPW-450EAPTS-000**  
3/8" Sq. Drive Straight Pulsus Wrench



**NPW-450EA-DX0**  
1/4" Female Hex Straight Pulsus Screwdriver



Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-450EAPTS-000	3/8" Sq.	Pin-Type	6000 rpm	14-20 ft.-lbs.	9-17/32"	1.9 lbs.	1/4"	1/4"	8.1 cfm
NPW-450EA-DX0	1/4" Hex	-		14-20 ft.-lbs.	9-19/32"				

## Straight Hydrotension Pulse Wrench



**NPW-60SPTS**  
3/8" Sq. Drive Straight Pulse Wrench



**NPW-80SPTS**  
3/8" Sq. Drive Straight Pulse Wrench



**NPW-100SPTS**  
1/2" Sq. Drive Straight Pulse Wrench



Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-50SPTS	3/8" Sq.	Pin-Type	9000 rpm	13-20 ft.-lbs.	8-1/8"	2.2 lbs.	1/4"	1/4"	7.1 cfm
NPW-60SPTS	3/8" Sq.		10500 rpm	15-28 ft.-lbs.	7-27/32"	2.3 lbs.	1/4"		7.1 cfm
NPW-80SPTS	3/8" Sq.		9000 rpm	19-35 ft.-lbs.	8-11/32"	2.9 lbs.	1/4"		8.8 cfm
NPW-100SPTS	1/2" Sq.		7500 rpm	30-58 ft.-lbs.	11-9/16"	4.4 lbs.	3/8"		10.6 cfm

## Pistol Hydrotension Pulse Wrench



**NPW-60PTS**  
3/8" Sq. Drive Pulse Wrench



**NPW-140PTS**  
1/2" Sq. Drive Pulse Wrench



**NPW-180PTS**  
3/4" Sq. Drive Pulse Wrench



Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-50PTS	3/8" Sq.	Pin-Type	9000 rpm	13-20 ft.-lbs.	6-25/32"	2.3 lbs.	1/4"	1/4"	7.1 cfm
NPW-60PTS	3/8" Sq.		10500 rpm	15-28 ft.-lbs.	5-25/32"	2.9 lbs.	1/4"		7.1 cfm
NPW-80PTS	3/8" Sq.		9000 rpm	19-35 ft.-lbs.	6-11/32"	3.2 lbs.	1/4"		8.8 cfm
NPW-100PTS	1/2" Sq.		7500 rpm	30-58 ft.-lbs.	7-1/4"	4.6 lbs.	3/8"		10.6 cfm
NPW-120PTS	1/2" Sq.		6000 rpm	40-74 ft.-lbs.	7-13/32"	5.3 lbs.	3/8"		10.6 cfm
NPW-140PTS	1/2" Sq.		5200 rpm	63-108 ft.-lbs.	7-5/8"	6.4 lbs.	3/8"		17.7 cfm
NPW-160PTS	1/2" Sq.		4500 rpm	81-130 ft.-lbs.	8-11/32"	7.5 lbs.	3/8"		17.7 cfm
NPW-180PTS	3/4" Sq.		4000 rpm	121-173 ft.-lbs.	8-21/32"	8.4 lbs.	3/8"		19.4 cfm





## Automatic Shut-Off Hydrotension Pulse Wrench



**NPW-80TPTS**  
3/8" Sq. Drive Pulse Wrench



**NPW-160TPTS**  
1/2" Sq. Drive Pulse Wrench



**NPW-200TPTS**  
3/4" Sq. Drive Pulse Wrench

Model No.	Shank Size	Retainer Type	Free Speed	Torque Range	Length	Weight	Rec'd Hose Size	Air Inlet Thread	Avg. Air Consumption
NPW-60TPTS	3/8" Sq.	Pin-Type	9500 rpm	14-25 ft.-lbs.	6-25/32"	3.3 lbs.	1/4"	1/4"	7.1 cfm
NPW-80TPTS	3/8" Sq.		8000 rpm	17-31 ft.-lbs.	7-5/16"	3.6 lbs.	1/4"	1/4"	7.1 cfm
NPW-160TPTS	1/2" Sq.		4000 rpm	70-118 ft.-lbs.	9-11/16"	8.1 lbs.	3/8"	1/4"	15.9 cfm
NPW-180TPTS	3/4" Sq.		3600 rpm	107-155 ft.-lbs.	10"	9.2 lbs.	3/8"	1/4"	17.7 cfm
NPW-200TPTS	3/4" Sq.		3500 rpm	206-298 ft.-lbs.	10-15/16"	15.8 lbs.	1/2"	3/8"	19.4 cfm



### Nippon Pneumatic Model TM-2000A

#### Torque Meter

Useful for torque adjustment and control of hydrotension wrenches, calibrating torque wrenches and checking the torque of nutrunners. Features a digital display, high measurement accuracy, and a peak holding circuit for easy reading of displayed values. **Includes one 3/8" square socket adapter, one 1/2" square socket adapter and connecting cable.**



Measuring Range .....	0~199.9 Nm	Power Supply .....	AC 100/110V
Amplifier Weight .....	3.5 lbs.	Amp. Dimensions:	11" x 7-1/2" x 3-1/2"
Sensor Weight .....	14.3 lbs.	Sensor Dimensions:	7-1/2" x 4" x 3"



### Michigan Pneumatic Model MP-6100TA

#### Torque Impact - 1" Square Drive

Features a **through-hole anvil**. Torque controlled impact provides easy torque adjustment and uniform torque output. "Auto-Stop" feature tightens bolts to pre-specified tension. When preset torque is reached, tool stops automatically. **Some MP-6100TA parts are interchangeable with the CP-610T impact.**

Square Drive .....	1"	Length .....	16-11/16"
Free Speed .....	4000 rpm	Weight .....	23.5 lbs.
Torque Range .....	300-1400 ft.-lbs.	Air Inlet Thread .....	1/2"
Rec'd Hose Size .....	1/2"	Avg. Air Consumption .....	17.7 cfm



### Michigan Pneumatic Model MP-6100TA-5SPLN

#### Torque Impact - #5 Spline Drive

Features a **pin-type anvil**. Torque controlled impact provides easy torque adjustment and uniform torque output. "Auto-Stop" feature tightens bolts to pre-specified tension. When preset torque is reached, tool stops automatically. **Some MP-6100TA-5SPLN parts are interchangeable with the CP-610T impact.**

Spline Drive .....	#5	Length .....	17-1/16"
Free Speed .....	4000 rpm	Weight .....	23.7 lbs.
Torque Range .....	300-1400 ft.-lbs.	Air Inlet Thread .....	1/2"
Rec'd Hose Size .....	1/2"	Avg. Air Consumption .....	17.7 cfm