

▼ PTW1000



## Productivity

- High-speed continuous rotation for constant torque output
- Low-friction planetary gearbox design minimizes wear and extends uptime.

## Safety

- Ergonomic, low vibration design reduces fatigue and the risk of vibration related injuries for the operator
- Low noise air motor provides quiet, consistent performance for indoor and outdoor applications.

## Convenience

- Provided with standard reaction arm; wide assortment of custom arms and accessories are available
- Available with or without Filter-Regulator-Lubricator (FRL)
- Unique calibration certificate provided with each tool.



◀ The PTW1000 makes quick work of this flange maintenance job.

## Continuous Rotation Controlled Torque



### Calibration Certificate

All PTW-Series tools are CE declared and are shipped complete with a calibration certificate.



### FRL120C, Filter-Regulator-Lubricator with air hose

All PTW-Series tools are shipped complete with standard reaction arm, and Filter-Regulator-Lubricator (FRL120C).



### MCS-Series, Mobile Calibration System

To check torque accuracy, run calibration tests and create calibration certificates prior to the use of continuous rotation torque tools in various applications while on a job site.

Page:  272

▼ PTW-Series Pneumatic Torque Wrenches are ideal for applications where speed and precision are critical, such as track maintenance.





## PTW-Series, Pneumatic Torque Wrenches

Enerpac PTW-Series Pneumatic Torque Wrenches are designed for applications that require speed and control.

The standard package includes a Torque Wrench with a calibration certificate, an FRL (Filter/Regulator/Lubricator), and a 10 feet long,  $\frac{1}{2}$  inch diameter air hose, which connects the FRL to the wrench.

Once the air hoses are connected, the operator simply adjusts the air pressure on

the FRL to achieve the desired torque using the calibration certificate. After this, the tool is ready to go to work! \*

The air source used with the PTW system must be regulated and/or limited to 120 psi, and must be capable of providing a volume of at least 50 CFM at 100 psi. A separate  $\frac{1}{2}$  inch hose (not included) must be used to connect the FRL to the air supply.

\* See instruction manual for comprehensive instructions.

## PTW Series

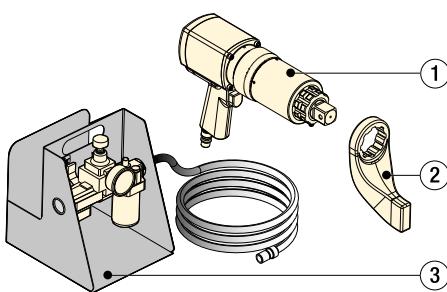


Nominal Torque Output:

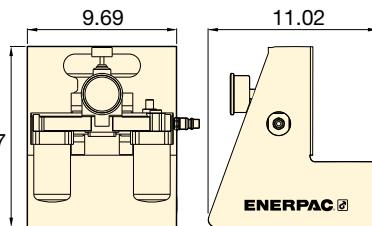
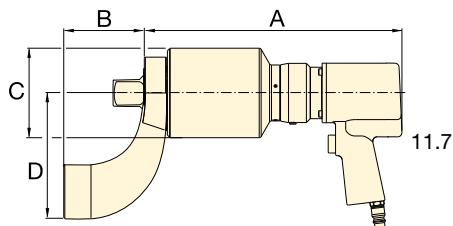
**1000 - 6,000 Ft.lbs**

Square Drive Range:

**$\frac{3}{4}$  - 1 -  $1\frac{1}{2}$  inches**



- ① PTW Torque Wrench
- ② Standard Reaction Arm
- ③ FRL120C Filter-Regulator-Lubricator with 10 feet (3 meters) air hose



## Accessories for PTW-Series

Enerpac offers a full line of accessories including a range of reaction arms and drives.

Page: 268



## BSH-Series, Sockets

Heavy-Duty Impact Sockets for power driven torquing equipment.

Page: 226



## BUS-Series, Back-Up Spanners

Hands-free tool to be used to stop back nut from turning during make up or break out.

Page: 227

## ▼ SELECTION CHART

Minimum Torque		Nominal Torque		Square Drive (in)	Model Number <sup>1)</sup> (FRL120C included)	Speed (RPM)	Dimensions (in)				
(Ft.lbs)	(Nm)	(Ft.lbs)	(Nm)				A	B	C	D	(lbs) <sup>2)</sup>
300	407	1,000	1,356	$\frac{3}{4}$	PTW1000-75C	12.6	10.70	3.27	2.83	5.12	17.4
300	407	1,000	1,356	1	PTW1000C	12.6	10.70	3.27	2.83	5.12	18.0
500	678	2,000	2,712	1	PTW2000C	8.0	11.26	3.27	3.11	5.24	19.5
900	1,220	3,000	4,067	1	PTW3000C	3.1	13.50	3.27	3.74	5.24	23.0
1,300	1,763	6,000	8,135	$1\frac{1}{2}$	PTW6000C	2.5	14.40	4.49	5.00	7.00	39.0

<sup>1)</sup> To order without FRL120C, remove "C" suffix from model number (example: PTW3000).

<sup>2)</sup> Weight does not include reaction arm.

Reaction arm weight for PTW1000, PTW2000, PTW3000 is 2.9 lbs and for PTW6000 is 7.8 lbs.

# Accessories for PTW-Series Torque Wrenches

**ENERPAC** 

▼ Shown: Accessories for PTW-Series Torque Wrenches



- **Accessories for further extending the application range of pneumatic torque wrenches**
- **Extended drives increases tool fit in restricted access areas.**



## Accessories for PTW-Series

Enerpac offers the following accessories to support a wide variety of applications in industries such as mining, power generation and oil & gas. For additional custom accessories not pictured here, please contact Enerpac.



## Applications

PTW-Series Pneumatic Wrenches are designed for applications that require speed and control.

### Mining

- Track maintenance
- Undercarriage maintenance
- Wheel maintenance
- Shovel maintenance

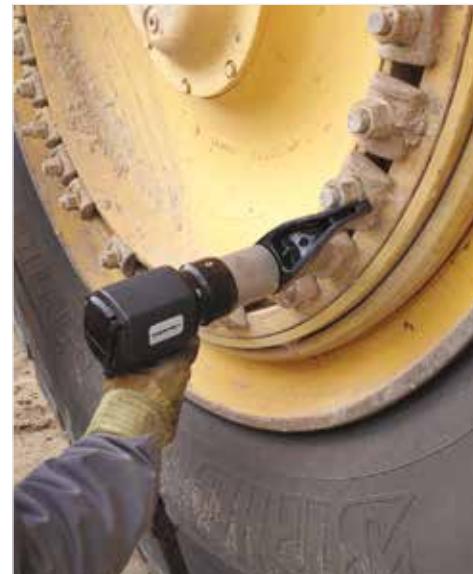
### Power Generation

- Turbine bolts
- Tower segments
- Turbine casings

### Oil & Gas

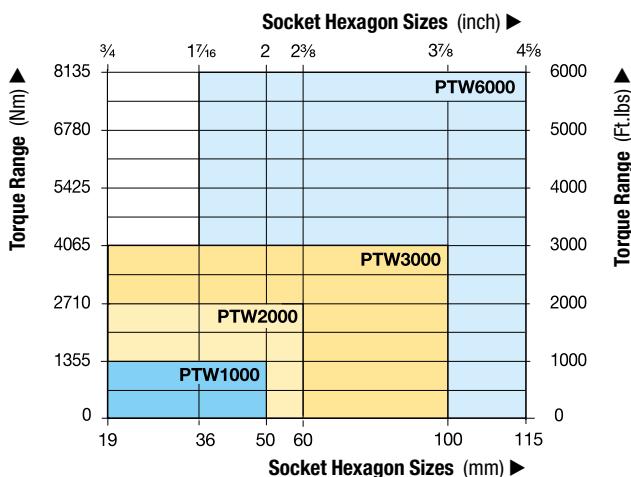
- Pipe flanges
- Valves
- Manway covers
- Pressure vessels

▼ PTW-Wrenches are ideal for applications where speed and precision are critical, such as track or wheel maintenance.



# Accessories for PTW-Series Torque Wrenches

## TORQUE WRENCH SELECTION (based on hexagon socket sizes)



## PTW Series

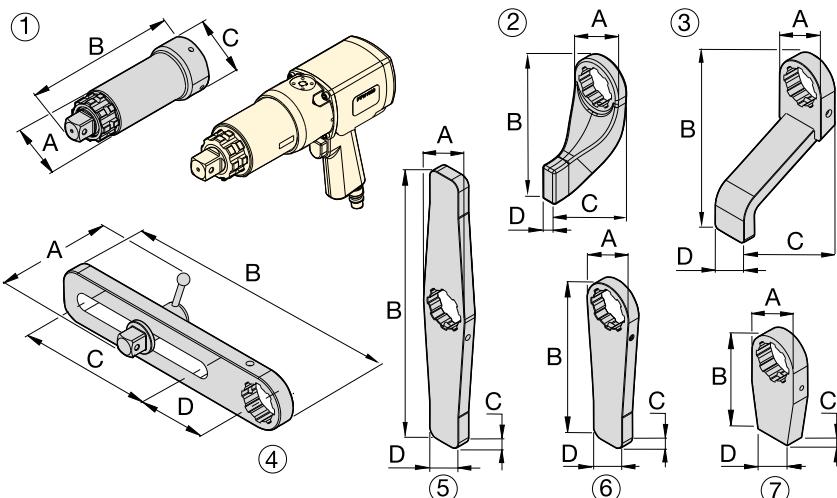


Nominal Torque Output:

**1000 - 6,000 Ft.lbs**

Square Drive Range:

**3/4 - 1 - 1 1/2 inches**



### BSH-Series, Sockets

Use Heavy-Duty Impact Sockets for power driven torqueing equipment.

Page: 226



### BUS-Series, Back-Up Spanners

Hands-free tool to be used to stop back nut from turning during make up or break out.

Page: 227

## Optional Accessories

### For use with PTW1000, 2000, 3000-models

Nr.	Description	Model Nr.	Application	Dimensions (in)			
				A	B	C	D
1	Extended Drive, 6 inches (152 mm)	<b>ED6TWS</b>	Nose extension, primarily for truck wheel bolts	2.44	8.11	2.87	—
1	Extended Drive, 12 inches (305 mm)	<b>ED12TWS</b>	Nose extension, primarily for truck wheel bolts	2.44	15.12	2.87	—
1	Extended Drive, 18 inches (457 mm)	<b>ED18TWS</b>	Nose extension, primarily for truck wheel bolts	2.44	20.12	2.87	—
2	Standard Reaction Arm	<b>RATWS</b>	Standard arm included with PTW model	2.99	6.77	4.02	0.83
3	Extended Reaction Arm	<b>ERATWS</b>	Long plate for use with deep well sockets	2.87	7.91	5.88	2.01
4	Sliding Reaction Arm	<b>SLRATWS</b>	For widely spaced and uneven bolt centers	4.41	15.00	7.99	4.02
5	Double Straight Reaction Arm	<b>DSATWS</b>	Reduces time to reposition arm *	2.87	15.98	0.75	4.02
6	Straight Reaction Arm	<b>SRATWS</b>	Long plate for wide spaced reaction points	2.87	9.45	0.75	2.01
7	Blank Reaction Arm **	<b>BLTWS</b>	Weldable blank for custom applications **	2.83	5.94	0.98	2.01

### For use with PTW6000-models

1	Extended Drive 6 inches (152 mm)	<b>ED6TWL</b>	Nose extension, primarily for truck wheel bolts	3.31	9.13	4.02	—
1	Extended Drive 12 inches (305 mm)	<b>ED12TWL</b>	Nose extension, primarily for truck wheel bolts	3.31	15.12	4.02	—
2	Standard Reaction Arm	<b>RATWL</b>	Standard arm included with PTW model	4.02	9.02	5.75	1.26
3	Extended Reaction Arm	<b>ERATWL</b>	Long plate for use with deep well sockets	4.02	10.00	7.24	2.52
4	Sliding Reaction Arm	<b>SLRATWL</b>	For widely spaced and uneven bolt centers	5.98	16.50	7.48	4.49
5	Double Straight Arm	<b>DSATWL</b>	Reduces time to reposition arm *	4.02	20.00	1.26	2.24
6	Straight Reaction Arm	<b>SRATWL</b>	Long plate for wide spaced reaction points	4.02	12.01	1.26	2.24
7	Blank Reaction Arm **	<b>BLTWL</b>	Weldable blank for custom applications **	4.02	5.98	1.26	2.24

\* Time to reposition arm when repeatedly moving from tightening to loosening.

\*\* WARNING: Blank reaction arms must be heat treated to HRc 38-42 prior to use.