



PTW-Series
Pneumatic Torque Wrenches

ETW-Series
Electric Torque Wrenches

Smart, Simple
and Productive
Solutions for
Controlled Bolting



ENERPAC 

▼ 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.



Typical Pneumatic Torque Wrench Applications

Oil and Gas, MRO

- Pipe flanges
- Valves
- Man-way covers
- Pressure vessels.

Power Generation

- Turbine bolts
- Tower segments
- Turbine casings.

Mining

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

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



Pneumatic Torque Wrenches



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 3 m long, ½" inch (13 mm) 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 8,3 bar, and must be capable of providing a volume of at least (85 m³/h) at 6,9 bar. A separate ½" inch hose (not included) must be used to connect the FRL to the air supply.

* See instruction manual for comprehensive instructions.

PTW Series



Maximum Torque Output:

8135 Nm

Square Drive Range:

1 - 1½ inch



Accessories

Enerpac offers a full line of accessories including a range of reaction arms and drives. Details on www.enerpac.com.

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FRL120C, Filter-Regulator-Lubricator with air hose

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



BSH-Series Sockets

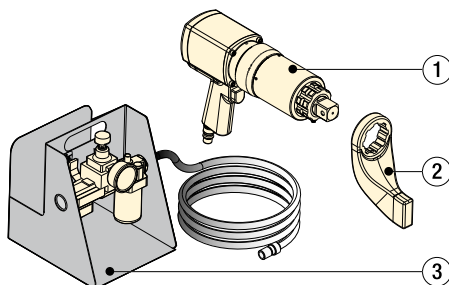
Heavy-Duty Impact Sockets for power driven torquing equipment. Details on www.enerpac.com.

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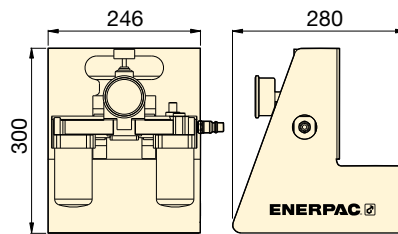
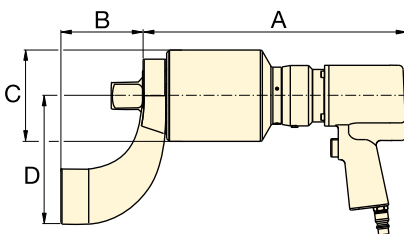


Hydraulic Torque Wrenches

Enerpac offers a complete range of square drive and hexagon cassette torque wrenches. Details on www.enerpac.com.



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



▼ SELECTION CHART

All tools are shipped complete with standard reaction arm and FRL120C.

Minimum Torque (Nm) (Ft.lbs)		Maximum Torque (Nm) (Ft.lbs)		Square Drive (inch)	Model Number ¹⁾ (FRL120C included)	Speed (RPM)	Dimensions (mm)				(kg) ²⁾
							A	B	C	D	
407	300	1356	1000	1	PTW1000C	12,6	272	83	72	130	8,2
678	500	2712	2000	1	PTW2000C	8,0	286	83	79	133	8,8
1220	900	4067	3000	1	PTW3000C	3,1	343	83	95	133	10,4
1763	1300	8135	6000	1½	PTW6000C	2,5	366	114	127	178	17,7

¹⁾ To order without FRL120C, remove "C" suffix from model number (example: **PTW3000**).

²⁾ Weight does not include reaction arm. Reaction arm weight for PTW1000, PTW2000, PTW3000 is 1,3 kg and for PTW6000 is 3,5 kg.

ETW-Series, Electric Torque Wrenches

ENERPAC 
POWERFUL SOLUTIONS. GLOBAL FORCE.

▼ ETW3000E (wrench shown only; wrench cannot be purchased or used without control box)



Performance

- High speed continuous rotation gets the job done faster
- Torque and angle functionality allows input of nominal torque value followed by a specific angle of rotation
- Pass/Fail LED indicator on back of tool verifies fastening has been completed according to specified input.

Simplicity

- Control box with 7-inch touchscreen simplifies tool operation
- Controls on back of wrench enable operator to monitor and manage the fastening process without returning to the control box
- Brightly lit three line LED display on wrench is easy to read in any environment, even in bright sunlight.

Traceability

- Fastening record can be viewed on-screen and transferred through standard USB connection on the control box
- Each tool is performance tested and shipped complete with a factory calibration certificate.

Safety

- Lift points on wrench enable use with positioning handle or lifting device for greater handling safety
- Ground fault detector protects operator in the event of insufficient grounding.

Your Simple Solution for Smart Bolting



Touchscreen Control Box

ETW-Series tools feature an easy to use, interactive touch-screen control box, which helps make even the most complex jobs simple to complete.



Easy Access to Controls

Controls on back of wrench with LED display allow user to directly input desired torque, change direction of rotation, and monitor the fastening process.



Certifications and Declarations

All ETW-Series tools:

- Are CE declared
- Are shipped complete with a calibration certificate
- Are certified for North American Electrical Safety by CSA International
- Carry a CSA US and Canada mark.



▼ ETW-Series Electric Torque Wrenches are ideal for high volume fastening applications that require precision and traceability, such as this wind tower job.





ETW-Series, Electric Torque Wrenches

Enerpac ETW-Series Electric Torque Wrenches are particularly well suited to complex jobs which demand precision and traceability.

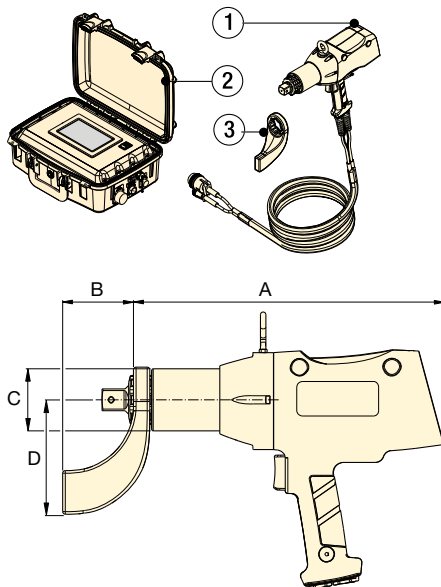
The ETW-Series tools feature an automatic mode, which helps simplify and automate complex jobs, including those with torque and angle specifications, through the creation of presets.

Using the touchscreen, simply input the number of fasteners and desired torque value for each fastening step, followed by the required angle of turn. This sequence may then be saved as an automatic preset for future use.

For simpler jobs, torque values may be input with a digital slider on the touchscreen, or directly into the rear control panel of the wrench.

Once the input torque is achieved, the tool stalls, and a pass/fail indicator verifies that it is ready to move on to the next fastener.

When the job is completed, the fastening record can be viewed on the touch screen, or exported to a computer via a USB connection on the control box.



- ① ETW Torque Wrench
- ② Control Box
- ③ Standard Reaction Arm

ETW Series



Maximum Torque Output:

8135 Nm

Square Drive Range:

1 - 1½ inch



Accessories

Enerpac offers a full line of accessories including a range of reaction arms and drives. Details on www.enerpac.com.

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BSH-Series Sockets

Heavy-Duty Impact Sockets for power driven torquing equipment. Details on www.enerpac.com.

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Voltage: (Model Number ending with suffix)

B = 115V, 60 Hz

I = 230V, 60 Hz (with NEMA 6-15 plug)

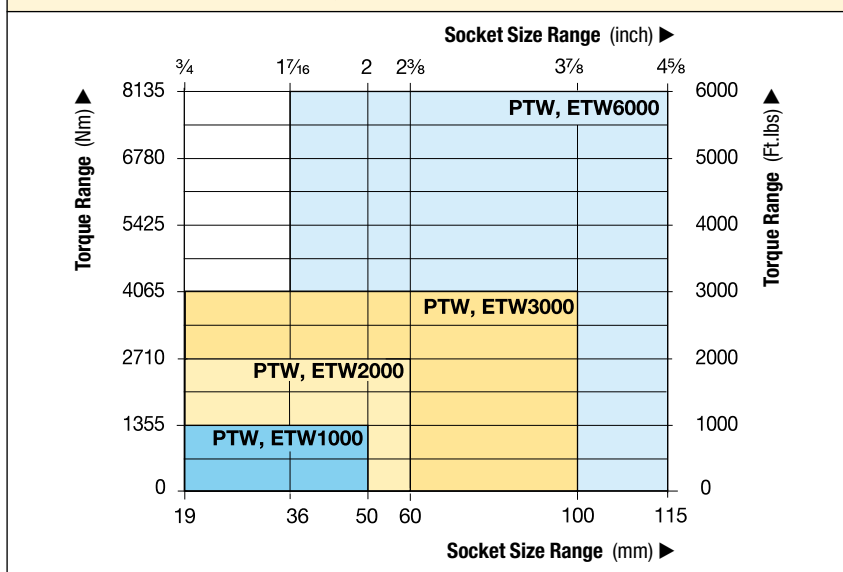
E = 230V, 50 Hz (with commonly used European (SCHUKO) plug)

Minimum Torque (Nm) (Ft.lbs)		Maximum Torque (Nm) (Ft.lbs)		Square Drive (inch)	Model Number	Voltage	Speed (RPM)	Dimensions (mm)				Weight (kg) ¹⁾
								A	B	C	D	
270	200	1355	1000	1	ETW1000B	115V 60 Hz	9,8	365	83	72	130	8,2
270	200	1355	1000	1	ETW1000I	230V 60 Hz	15,2	365	83	72	130	8,2
270	200	1355	1000	1	ETW1000E	230V 50 Hz	15,2	365	83	72	130	8,2
540	400	2710	2000	1	ETW2000B	115V 60 Hz	5,8	380	83	79	133	8,9
540	400	2710	2000	1	ETW2000I	230V 60 Hz	9,0	380	83	79	133	8,9
540	400	2710	2000	1	ETW2000E	230V 50 Hz	9,0	380	83	79	133	8,9
810	600	4065	3000	1	ETW3000B	115V 60 Hz	2,8	436	83	95	133	11,9
810	600	4065	3000	1	ETW3000I	230V 60 Hz	4,3	436	83	95	133	11,9
810	600	4065	3000	1	ETW3000E	230V 50 Hz	4,3	436	83	95	133	11,9
1625	1200	8135	6000	1½	ETW6000B	115V 60 Hz	1,9	453	114	127	178	19,1
1625	1200	8135	6000	1½	ETW6000I	230V 60 Hz	2,9	453	114	127	178	19,1
1625	1200	8135	6000	1½	ETW6000E	230V 50 Hz	2,9	453	114	127	178	19,1

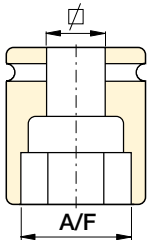
¹⁾ Weight does not include reaction arm. Standard reaction arm weight for ETW1000, ETW2000, ETW3000 is 1,3 kg and for ETW6000 is 3,5 kg.
Weight of the control box is 9 kg.

BSH-Series, Heavy-Duty Sockets

TORQUE WRENCH SELECTION *



* Socket size recommendations are based on torque output of tool and socket size range. Additional socket sizes available on request.



BSH Series



Hexagon Size:

19 - 115 mm, 3/4" - 4 5/8"



Pin and Ring

All sockets are supplied with a "Pin and Ring" to hold the socket in place on the square drive of the tool.



Select the Right Torque

Choose your Enerpac Torque Wrench using the untightening rule of thumb: Loosening torque equals about 250% of tightening torque.

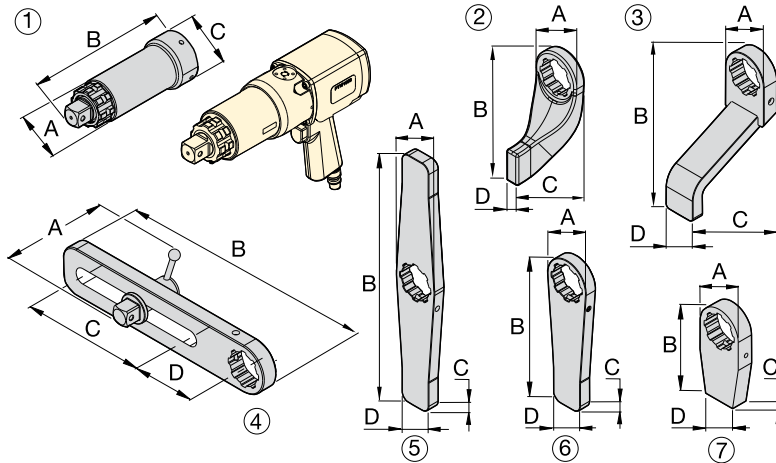
IMPERIAL SOCKETS

1" Square Drive				1 1/2" Square Drive			
Model Number	A/F (inch)	Model Number	A/F (inch)	Model Number	A/F (inch)	Model Number	A/F (inch)
BSH1019	3/4"	BSH10231	2 5/16"	BSH15144	1 7/16"	BSH15281	2 13/16"
BSH10088	7/8"	BSH10238	2 3/8"	BSH1538	1 1/2"	BSH15288	2 7/8"
BSH10094	15/16"	BSH10244	2 7/16"	BSH15156	1 9/16"	BSH1575	2 15/16"
BSH1027	1 1/16"	BSH10250	2 1/2"	BSH15163	1 5/8"	BSH15300	3"
BSH1030	1 3/16"	BSH1065	2 9/16"	BSH1543	1 11/16"	BSH15306	3 1/16"
BSH10125	1 1/4"	BSH10263	2 5/8"	BSH15175	1 3/4"	BSH15313	3 1/8"
BSH10131	1 5/16"	BSH10269	2 11/16"	BSH1546	1 13/16"	BSH15319	3 3/16"
BSH1035	1 3/8"	BSH1070	2 3/4"	BSH15188	1 7/8"	BSH15325	3 1/4"
BSH10144	1 7/16"	BSH10281	2 13/16"	BSH15194	1 15/16"	BSH15338	3 3/8"
BSH1038	1 1/2"	BSH10288	2 7/8"	BSH15200	2"	BSH15350	3 1/2"
BSH10156	1 9/16"	BSH1075	2 15/16"	BSH15206	2 1/16"	BSH15363	3 5/8"
BSH10163	1 5/8"	BSH10300	3"	BSH15213	2 1/8"	BSH1595	3 3/4"
BSH1043	1 11/16"	BSH10306	3 1/16"	BSH15219	2 3/16"	BSH15388	3 7/8"
BSH10175	1 3/4"	BSH10313	3 1/8"	BSH15225	2 1/4"	BSH15100	3 15/16"
BSH1046	1 13/16"	BSH10319	3 3/16"	BSH15231	2 5/16"	BSH15400	4"
BSH10188	1 7/8"	BSH10325	3 1/4"	BSH15238	2 3/8"	BSH15105	4 1/8"
BSH10194	1 15/16"	BSH10338	3 3/8"	BSH15244	2 7/16"	BSH15419	4 3/16"
BSH10200	2"	BSH10350	3 1/2"	BSH15250	2 1/2"	BSH15425	4 1/4"
BSH10206	2 1/16"	BSH10363	3 5/8"	BSH1565	2 9/16"	BSH15110	4 5/16"
BSH10213	2 1/8"	BSH1095	3 3/4"	BSH15263	2 5/8"	BSH15438	4 3/8"
BSH10219	2 3/16"	BSH10388	3 7/8"	BSH15269	2 11/16"	BSH15450	4 1/2"
BSH10225	2 1/4"	-	-	BSH1570	2 3/4"	BSH15463	4 5/8"

METRIC SOCKETS

1" Square Drive		1 1/2" Square Drive	
Model Number	A/F (mm)	Model Number	A/F (mm)
BSH1019	19	BSH1536	36
BSH1024	24	BSH15163	41
BSH1027	27	BSH1546	46
BSH1030	30	BSH1550	50
BSH1032	32	BSH1555	55
BSH1036	36	BSH1560	60
BSH10163	41	BSH1565	65
BSH1046	46	BSH1570	70
BSH1050	50	BSH1575	75
BSH1055	55	BSH1580	80
BSH1060	60	BSH1585	85
BSH1065	65	BSH1590	90
BSH1070	70	BSH1595	95
BSH1075	75	BSH15100	100
BSH1080	80	BSH15105	105
BSH1085	85	BSH15110	110
BSH1090	90	BSH15115	115
BSH1095	95	-	-
BSH10100	100	-	-

Torque Wrench Accessories



PTW, ETW Series



Maximum Torque Output:

8135 Nm

Square Drive Range:

1 - 1½ inch

Optional Accessories

For use with PTW and ETW1000, 2000, 3000-models

Nr.	Description	Model Nr.	Application	Dimensions (mm)			
				A	B	C	D
1	Extended Drive, 6 inch (152 mm)	ED6TWS	Nose extension, primarily for truck wheel bolts	62	206	73	—
1	Extended Drive, 12 inch (305 mm)	ED12TWS	Nose extension, primarily for truck wheel bolts	62	384	73	—
1	Extended Drive, 18 inch (457 mm)	ED18TWS	Nose extension, primarily for truck wheel bolts	62	511	73	—
2	Standard Reaction Arm	RATWS	Standard arm included with PTW and ETW model	76	172	102	21
3	Extended Reaction Arm	ERATWS	Long plate for use with deep well sockets	73	150	202	51
4	Sliding Reaction Arm	SLRATWS	For widely spaced and uneven bolt centers	112	381	203	102
5	Double Straight Reaction Arm	DSATWS	Reduces time to reposition arm *	73	406	19	102
6	Straight Reaction Arm	SRATWS	Long plate for wide spaced reaction points	73	240	19	51
7	Blank Reaction Arm **	BLTWS	Weldable blank for custom applications **	72	151	25	51

For use with PTW and ETW6000-models

1	Extended Drive 6 inch (152 mm)	ED6TWL	Nose extension, primarily for truck wheel bolts	84	232	102	—
1	Extended Drive 12 inch (305 mm)	ED12TWL	Nose extension, primarily for truck wheel bolts	84	384	102	—
2	Standard Reaction Arm	RATWL	Standard arm included with PTW and ETW model	102	229	146	32
3	Extended Reaction Arm	ERATWL	Long plate for use with deep well sockets	102	254	184	64
4	Sliding Reaction Arm	SLRATWL	For widely spaced and uneven bolt centers	152	419	190	114
5	Double Straight Arm	DSATWL	Reduces time to reposition arm *	102	508	32	57
6	Straight Reaction Arm	SRATWL	Long plate for wide spaced reaction points	102	305	32	57
7	Blank Reaction Arm **	BLTWL	Weldable blank for custom applications **	102	152	32	57

* 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.

Typical PTW and ETW-Series Torque Wrench Applications



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

Pneumatic & Electric Torque Wrenches



The Industrial Tools Line

Cylinders and Lifting Products

- General Purpose
- Aluminium Lightweight
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- Precision
- Long Stroke
- High Tonnage
- POWR'RISER® Lifting Jacks
- Jacks
- Cylinder-Pump Sets

Pumps

- Manual
- Cordless & Electric Driven
- Compressed Air Driven
- Petrol Driven

System Components

- Hoses, Couplers, Oil
- Gauges, Adaptors
- Manifolds, Fittings

Valves

- 3-and 4-Way Directional
- Pressure and Flow Control

Presses

- Bench, Workshop, Roll Frame
- Arbor and C-Clamps
- Tension Meters, Load Cells

Pullers

- Master Pullers Sets
- Multi Purpose Puller Sets
- Posi Lock® Pullers

Tools

- Maintenance Sets
- Punches
- Machine Lifts
- Lifting Wedge
- Load Skates
- Cutters
- Pipe Benders
- Wedgie, Spreaders

Bolting Tools

- Multipliers
- Torque Wrenches
- Impact Sockets
- Bolt Tensioners
- Wrench and Tensioner Pumps
- Flange Alignment Tools
- Flange Facing Tool
- Nut Splitters

Heavy Lifting Equipment

- Synchronized Lifting Systems
- Jack-Up Systems
- Bridge Launching Systems
- Climbing & Stage Lift Systems
- Synchronized Hoisting Systems
- Hydraulic Gantries
- Strand Jacks Systems
- Skidding Systems
- Self-Erecting Towers
- Self Propelled Modular Transporter
- Chain Pulling Systems

Enerpac Worldwide Locations

For a complete list of addresses see:
www.enerpac.com/en-us/enerpac-locations

About Enerpac

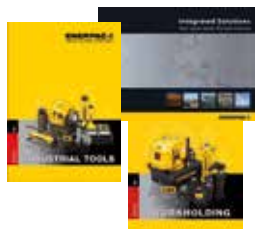
Enerpac is the leading global provider of high-pressure hydraulic tools and solutions with a broad range of products, local expertise and worldwide distribution network. With a proven track record in a wide range of markets, Enerpac designs and manufactures high-quality tools and solutions for all industrial applications.

Enerpac has gained unique experience in delivering hydraulic solutions for the controlled movement and positioning of heavy objects. Enerpac supports your business by offering the right solutions and service to help you get your work done efficiently and safely.



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