



**Hydraulic Hexagon  
Torque Wrench**

**Rigid Steel Design  
The Professional Low Profile Solution**

# W22000, Low Profile Hexagon Wrench

▼ Shown: W22000 drive unit with optional TSP-Pro Swivel and interchangeable cassette



## Rigid Steel Design The *Professional* Low Profile Solution



### W-Series, Low Profile Torque Wrenches

This product range has been designed using state-of-the-art CAD techniques to bring you the most advanced low profile torque wrench on the market. Safety, quality, toughness and reliability are built in.

During the design process every prototype was put through finite element stress analysis, photo-elastic modelling, rigorous cyclic testing and strain gauging.

- 30.510 Nm of maximum torque for nuts ranging from 75 to 135 mm and 2<sup>15</sup>/<sub>16</sub> to 5<sup>3</sup>/<sub>8</sub> inch
- Robust design with fewer parts resulting in a more rigid tool, a more accurate application of torque and a longer tool life
- Constant torque output provides high accuracy of ±3% across the full stroke
- In-line reaction foot ensures accuracy by reducing internal deflections
- Lifting eye and handle included for assistance in tool movement and placement for safer tool operation
- Nickel-plated drive unit and cassettes for exceptional corrosion protection and improved durability in harsh environments
- Single 360° hydraulic swivel included or upgrade to a TSP-Pro Series swivel for additional hose maneuverability
- No tools needed for changing the hexagon cassettes.

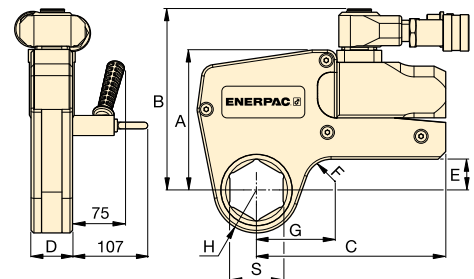


### TSP - Pro Series Swivel

Featuring Tilt and Swivel technology the TSP provides 360° X-axis rotation and 160° Y-axis rotation.

### How to Order

Order as an accessory which can be fitted to existing W-Series wrenches. Factory fitted to new W-Series wrenches: Suffix the wrench model number with "P" e.g.: **W22000-P**.



### ▼ SELECTION CHART

Hexagon Range *		Maximum Torque at 700 bar		Drive Unit Model Number **	Minimum Torque		Dimensions (mm) (see page 3 for dimensions H, G and S)						Weight (drive unit without hexagon cassette)
(mm)	(inch)	(Nm)	(Ft.lbs)		(Nm)	(Ft.lbs)	A	B	C	D	E	F	(kg)
75 - 135	2 <sup>15</sup> / <sub>16</sub> - 5 <sup>3</sup> / <sub>8</sub>	30.510	22.500	<b>W22000</b>	3.051	2.250	227	266	297	77	48	35	7,7

\* With in-line reaction foot.

\*\* To order a W-series wrench fitted with the TSP-Pro Swivel, suffix the model number with "-P". Example: **W22000-P**.

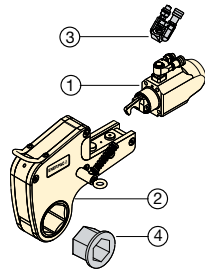
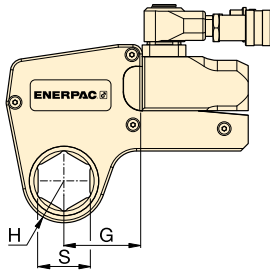
# Double-Acting Hydraulic Torque Wrench & Cassettes



## Hexagon Cassettes and Reducer Inserts


Maximum versatility with the full range of interchangeable hexagon cassettes and hexagon reducing inserts is available in metric and inch sizes. **How To Order:**

1. Select the W22000 drive unit. 2. Select the cassette size that fits the nut you will be torquing. Hexagon reducers: Contact Enerpac with your specific size requests.



- ① Drive Unit
- ② Hexagon Cassette
- ③ TSP-Pro Series Swivel (optional)
- ④ Hexagon Reducer (optional)

### ▼ SELECTION CHART – IMPERIAL

Hexagon Size S (inch)	Nose Radius H (mm)	Dimension G (mm)	Model Number Hexagon Cassette	 (kg)
2 15/16	67,0	102,0	W22215	22,1
3	67,0	102,0	W22300	22,0
3 1/16	67,0	102,0	W22301	21,9
3 1/8	67,0	102,0	W22302	21,7
3 3/16	72,5	107,5	W22303	22,9
3 1/4	72,5	107,5	W22304	22,8
3 5/16	72,5	107,5	W22305	22,6
3 3/8	72,5	107,5	W22306	22,5
3 7/16	72,5	107,5	W22307	22,8
3 1/2	72,5	107,5	W22308	22,2
3 9/16	78,0	113,0	W22309	23,4
3 5/8	78,0	113,0	W22310	23,3
3 11/16	78,0	113,0	W22311	23,1
3 3/4	78,0	113,0	W22312	23,0
3 13/16	78,0	113,0	W22313	22,8
3 7/8	78,0	113,0	W22314	22,6
3 15/16	85,0	120,0	W22315	24,3
4	85,0	120,0	W22400	24,3
4 1/16	85,0	120,0	W22401	24,0
4 1/8	85,0	120,0	W22402	23,8
4 3/16	85,0	120,0	W22403	23,6
4 1/4	85,0	125,0	W22404	23,4
4 5/16	90,0	125,0	W22405	24,6
4 3/8	90,0	125,0	W22406	24,5
4 7/16	90,0	125,0	W22407	24,3
4 1/2	90,0	125,0	W22408	24,1
4 9/16	90,0	125,0	W22409	23,9
4 5/8	90,0	125,0	W22410	23,6
4 3/4	95,0	130,0	W22412	24,7
4 7/8	95,0	130,0	W22414	24,3
5	95,0	130,0	W22500	23,7
5 1/8	100,0	135,0	W22502	25,0
5 3/16	100,0	135,0	W22503	24,8
5 1/4	100,0	135,0	W22504	24,5
5 3/8	100,0	135,0	W22506	23,9

## W Series



Maximum Torque at 700 bar:

**30.510 Nm | 22.500 Ft.lbs**


Hexagon Range:

**75-135 mm | 2 15/16 - 5 3/8 "**

Maximum Operating Pressure:

**700 bar**

### ▼ SELECTION CHART – METRIC

Hexagon Size S (mm)	Nose Radius H (mm)	Dim. G (mm)	Model Number Hexagon Cassette	 (kg)
75	67,0	102,0	W22215	22,1
80	67,0	102,0	W22302	21,7
85	72,5	107,5	W22085M	22,6
90	78,0	113,0	W22090M	23,5
95	78,0	113,0	W22312	23,0
100	85,0	120,0	W22315	24,3
105	85,0	120,0	W22402	23,8
110	90,0	125,0	W22405	24,6
115	90,0	125,0	W22115M	24,1
120	95,0	130,0	W22412	24,7
123	95,0	130,0	W22123M	24,4
130	100,0	135,0	W22502	25,0
135	100,0	135,0	W22506	23,9



## TQ-700 Series Torque Wrench Pump

The TQ-700E electric pump has been engineered with Optimized Flow Technology

which means that you get more productivity.



## Torque Wrench Hoses

Use Enerpac THQ-700 series twin hoses with 700 bar wrench pumps.

For 700 bar	Model Nr.
6 meters long, 2 hoses	THQ-706T
12 meters long, 2 hoses	THQ-712T

# W22000 Hydraulic Hexagon Torque Wrench



**ENERPAC**

## The Industrial Tools Line

### Cylinders

- General Purpose
- Pancake
- Aluminium Lightweight
- Low Height
- Heavy Duty
- Hollow Plunger
- Industrial
- Pull
- Long Stroke
- Jacks
- Spread

### Pumps

- Manual
- Battery Powered
- Electric Driven
- Compressed Air Driven
- Petrol Driven

### System Components

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

### Valves

- Directional
- Pressure and Flow Control

### Presses

- Bench and Workshop
- Roll Frame Presses
- Arbor and C-Clamps

### Pullers

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

### Tools

- Maintenance Sets
- Punches
- Lifting Wedge
- Machine Lifts
- Load Skates
- Cutters
- Pipe Benders
- Post Tensioning Tools

### Bolting Tools

- Manual Torque Multipliers
- Torque Wrenches
- Torque Wrench Pumps
- Bolt Tensioners
- Flange Alignment Tools
- Flange & Wedge Spreaders
- Nut Splitters

### Integrated Solutions

- Stage Lift Systems
- Synchronous Lifting Systems
- Synchronous Hoisting Systems

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