

**KASHON**

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www.kashon-tools.com

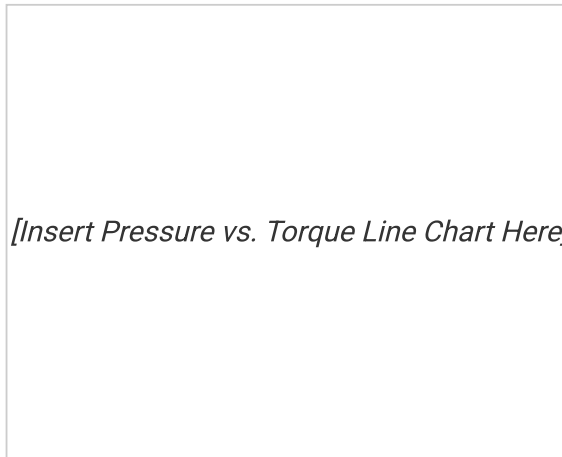
## Technical Data Sheet: KASHON KMX-3 Hydraulic Torque Wrench



### Key Features & Specifications

- Max Torque Output:** 4,400 Nm / 3,245 ft-lbs
- Accuracy:** ±3%
- Square Drive:** 1"
- Weight:** 3.8 kg / 8.4 lbs
- Construction:** Aerospace-Grade 7075-T6 Light Alloy
- Swivel:** 360° x 180° Uni-Swivel Hose Manifold
- Certification:** CE, ATEX (Optional)

### Pressure to Torque Curve



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## KMX-3 | Detailed Pressure-Torque Conversion Chart

Pressure (PSI)	Pressure (Bar)	Torque (Nm)	Torque (ft-lbs)
1500	104	655	483
2000	138	868	640
2500	172	1085	800
3000	207	1301	960
3500	241	1518	1120
4000	276	1735	1280
4500	310	1952	1440
5000	345	2183	1610
5500	379	2400	1770
6000	414	2616	1930
6500	448	2833	2090
7000	483	3050	2250
7500	517	3285	2423
8000	552	3515	2592
8500	586	3740	2758
9000	620	3945	2910
9500	655	4172	3077
10000	690	4400	3245

*Note: Torque values are nominal. Always verify torque output with a calibration instrument. Do not exceed 10,000 PSI (690 Bar).*

### Typical Applications

Wind Energy: Blade, tower, and foundation bolting.

Oil & Gas: Flange connection, heat exchanger maintenance.

Heavy Equipment: Assembly/repair of mining trucks, cranes.

Power Generation: Turbine casing, valve maintenance.

Shipbuilding: Engine mounting, propeller installation.

### Compatible Power Packs

Kashon KEP-230E Electric Pump

Kashon KAP-4A Air-Powered Pump

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## Safety First: KMX-3 Safe Operating Procedures

Your Kashon hydraulic torque wrench is a precision power tool. Observing proper safety protocols is essential to prevent accidents and ensure accurate, efficient operation. The following procedures must be followed at all times.

### 1. Pre-Operation: Inspection & Preparation

- **Wear Correct PPE:** Always wear ANSI-approved safety glasses, heavy-duty work gloves, a hard hat, and steel-toed safety shoes.
- **Inspect All Equipment:** Visually inspect the wrench, hydraulic hoses, couplings, and power pack for any signs of wear, damage, or leaks. Remove any faulty equipment from service immediately.
- **Verify Calibration:** Confirm that the wrench and pressure gauge have a valid, in-date calibration certificate.
- **Assess the Work Area:** For potentially explosive atmospheres (e.g., volatile fumes), **only use certified air-powered pumps (like Kashon KAP series)**. Never use electric pumps in such environments.
- **Secure the Reaction Point:** The reaction arm must rest against a solid, flat surface. If the tool "climbs" during initial pressurization, stop immediately and reposition.



Diagram showing correct and incorrect reaction points for the torque wrench

### 2. During Operation: Safe & Correct Use

- **Stay Alert:** Never operate power equipment while fatigued or impaired. Watch what you are doing and use common sense.
- **Maintain a Safe Distance:** Keep hands and all body parts clear of the reaction arm and all rotating components. Aim for "hands-free" operation.
- **Do Not Force the Tool:** Never use hammers or "cheater bars." If more torque is needed, use a larger model from the Kashon KMX-Pro series.

### 3. Post-Operation: Shutdown & Storage

- **Fully Depressurize the System:** Before disconnecting hydraulic hoses, ensure all pressure has been released from the pump, hoses, and tool.
- **Store Properly:** Clean the tools and accessories and return them to their designated protective storage case.

**When in Doubt, Ask! Contact your official Kashon representative. Safety is your responsibility.**

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## Your Expert Partner in Industrial Bolting Solutions

Kashon provides robust, reliable, and precise hydraulic torque and tensioning solutions for the world's most demanding industries. Our commitment to engineering excellence and customer support ensures you get the job done safely and efficiently.

### Our Product Portfolio:

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- Hydraulic Torque Wrenches (Square Drive & Low Profile)
- Pneumatic & Battery Torque Wrenches
- Hydraulic Bolt Tensioners
- Electric & Air Hydraulic Pumps
- Calibration & Repair Services

### Ready to Optimize Your Bolting Process?

#### Request a Quote

Get a competitive price for the KMX-3 and compatible power packs.

**Email:** sales@kashon.com

#### Talk to an Engineer

Discuss your application and get a personalized tool recommendation.

**Phone:** +86-XXX-XXXX-XXXX