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› Milwaukee 2962-20 M18 FUEL 1/2" Mid-Torque Impact Wrench User Manual

## Milwaukee 2962-20

# Milwaukee 2962-20 M18 FUEL 1/2" Mid-Torque Impact Wrench User Manual

Model: 2962-20 | Brand: Milwaukee

## 1. PRODUCT OVERVIEW

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The Milwaukee 2962-20 M18 FUEL Gen-2 18-Volt Lithium-Ion Brushless Cordless Mid Torque 1/2 in. Impact Wrench with Friction Ring is engineered for professional use, offering a balance of power and compact design. This tool is designed for efficient fastening and loosening of various fasteners in automotive, construction, and general maintenance applications.



## Key Features:

- **Friction Ring (Hog Ring):** Ensures quick and easy socket changes, providing secure retention.
- **Tri-LEDs:** Deliver high-definition lighting to increase workspace visibility with reduced shadows, illuminating the work area effectively.
- **Auto Shut-off Control:** Applies no more than 35 ft. lbs. of torque for hand-tight fastening applications, preventing overtightening of fasteners.
- **Bolt Removal Control:** Delivers full torque output initially, then decreases RPMs once the bolt is loosened to prevent fastener drops, enhancing efficiency and reducing lost hardware.
- **Brushless Motor:** Provides increased efficiency, longer run-time, and extended tool life.

## 2. SAFETY INSTRUCTIONS

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Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operation.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces (e.g., pipes, radiators, ranges, refrigerators). Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles) and hearing protection. Use appropriate personal protective equipment (PPE) such as dust masks, non-skid safety shoes, hard hats, or hearing protection for relevant conditions. Dress properly; avoid loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs. When battery pack is not in use, keep it away from other metal objects.

## 3. SETUP

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### 3.1 Battery Installation

1. Ensure the tool is turned off.
2. Align the battery pack with the battery port on the tool handle.
3. Slide the battery pack into the tool until it clicks securely into place. Do not force it.
4. To remove the battery, press the release button(s) on the battery pack and slide it out of the tool.

### 3.2 Attaching Sockets

The 2962-20 features a friction ring (hog ring) anvil for quick and secure socket changes.

1. Select the appropriate 1/2" drive impact-rated socket for your application.
2. Push the socket firmly onto the square drive anvil. The friction ring will hold the socket securely.
3. To remove the socket, simply pull it off the anvil.



Figure 3.1: Angled view showing the 1/2" drive anvil and Tri-LEDs.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Powering On/Off

- To turn the tool ON, pull the trigger. The Tri-LEDs will illuminate the work area.
- To turn the tool OFF, release the trigger.
- The speed of the tool is controlled by the amount of trigger depression; the further the trigger is pulled, the higher the speed.

### 4.2 Drive Control Modes

The 2962-20 features a 4-mode DRIVE CONTROL™ system, allowing users to select the appropriate speed and power for various applications.

- **Mode 1-3:** Provide increasing levels of torque and speed for general fastening applications.

- **Mode 4 (Auto Shut-off Control):** Designed for hand-tight fastening applications. This mode applies no more than 35 ft. lbs. of torque to prevent overtightening. Ideal for delicate applications or when precise torque is required before final hand tightening.
- **Bolt Removal Control:** This intelligent mode delivers full torque output to break loose stubborn bolts, then automatically decreases RPMs once the bolt is loosened. This prevents the fastener from "running away" and dropping, improving efficiency and reducing lost hardware.

To switch between modes, press the mode selection button located on the top of the tool.

### 4.3 Application Tips

- Always ensure the socket is fully seated on the anvil before operating.
- For optimal performance, use impact-rated sockets.
- When tightening, start with a lower mode and increase as needed. For critical applications, always finish with a torque wrench to ensure proper torque specifications are met.
- When loosening, use the Bolt Removal Control mode for efficient and safe removal of fasteners.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your Milwaukee impact wrench.

- **Cleaning:** Keep the tool's air vents clear and free of debris. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. Check the friction ring for wear and ensure it securely holds sockets.
- **Lubrication:** This tool features a brushless motor and sealed components, requiring no internal lubrication by the user.
- **Storage:** Store the tool and battery packs in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the battery is removed from the tool before storage.

## 6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly installed.	Ensure battery is fully charged and properly seated.
Reduced power or intermittent operation.	Low battery charge, dirty contacts, or tool overheating.	Recharge battery, clean battery contacts, allow tool to cool down.
Socket not holding securely.	Worn friction ring or incorrect socket type.	Inspect friction ring for wear; use only 1/2" drive impact-rated sockets. If worn, seek professional service.
Excessive vibration or unusual noise.	Internal damage or loose components.	Discontinue use immediately and contact Milwaukee service for inspection.

## 7. SPECIFICATIONS

Attribute	Value
Brand	Milwaukee
Model Number	2962-20
Voltage	18 Volts
Head Style	Hex (1/2" Square Drive)
Item Torque (Auto Shut-off)	35 Foot Pounds
Item Weight	3.9 Pounds
Item Length	10 Inches
Material	Plastic
Finish Type	Powder Coated
Power Source	Battery Powered
Battery Cell Type	Lithium Ion

## 8. WARRANTY AND SUPPORT

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This Milwaukee 2962-20 M18 FUEL 1/2" Mid-Torque Impact Wrench comes with a **2-year manufacturer's warranty**. This warranty covers defects in material and workmanship from the date of purchase.

For warranty claims, technical support, or service inquiries, please contact Milwaukee Customer Service through their official website or the contact information provided with your purchase documentation. Please have your model number (2962-20) and proof of purchase ready when contacting support.

For more information, visit the official Milwaukee website: [www.milwaukeetool.com](http://www.milwaukeetool.com)