

HiKOKI GP36DA

HiKOKI 36V Cordless Hand Grinder GP36DA(NN) Instruction Manual

Model: GP36DA(NN)

1. INTRODUCTION

Thank you for purchasing the HiKOKI 36V Cordless Hand Grinder GP36DA(NN). This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool. Please read this manual thoroughly before use and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and extend the life of your hand grinder.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual accessible for all users.

General Power Tool Safety Warnings:

- **Work Area Safety:** Keep the 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Specific Grinder Safety Warnings:

- Always use accessories that are rated for the maximum speed of the grinder.
- Ensure the workpiece is securely clamped or held.
- Maintain a firm grip on the tool with both hands during operation.
- Be aware of sparks and flying debris. Keep bystanders away from the work area.
- The GP36DA(NN) includes safety features such as soft start, brake, kickback reduction, and restart prevention. Familiarize yourself with these functions.

3. PRODUCT FEATURES

The HiKOKI GP36DA(NN) Cordless Hand Grinder is designed for various grinding and finishing tasks, offering portability and performance.

- **36V MultiVolt System:** Utilizes a 36V MultiVolt battery for high power output.
- **Brushless Motor:** Provides efficient power delivery and extended tool life.
- **Slide Switch:** Designed for continuous operation.
- **Dial-Type Stepless Speed Control:** Adjusts rotation speed from 7,000 to 29,000 RPM.
- **Two Operating Modes:**
 - **Variable Speed Mode:** Maintains a constant rotation speed based on the dial setting.
 - **Auto Mode:** Automatically adjusts rotation speed according to the load, reducing noise during no-load operation.
- **Safety Functions:** Equipped with soft start, electric brake, kickback reduction, and restart prevention for enhanced user safety.
- **Shaft Diameter:** 6mm collet chuck.
- **Maximum Usable Tip Tool Diameter:** 25mm.



**コードレスの新常識
電池1つで36Vと18VどちらもOK!
マルチボルトシリーズ**



**コードレスハンドグラインダ
GP 36DA**

**36V
2.5Ah**

最大コレットチャック軸径	6mm
使用可能最大先端工具径	25mm
モーター	直流ブラシレスモーター
無負荷回転数	7,000~29,000min ⁻¹
機体寸法 (蓄電池装着時)	全長468×全高121×全幅86mm
質量 (蓄電池装着時)	2.5kg

AC品を超えるパワーで作業はかどる!※

速度調整可能! **スライドスイッチ**

オートモードで無負荷時の騒音軽減!

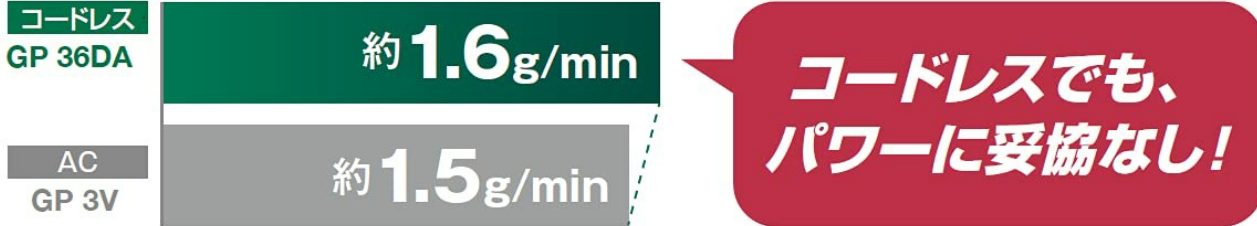
※当社AC品：ハンドグラインダGP 3Vとの比較。電池の状態や条件により異なります。

Image: Overview of the HiKOKI MultiVolt Cordless Hand Grinder GP36DA, highlighting its 36V power, speed adjustment, slide switch, and auto mode for reduced noise.

AC品を超えたパワフル研削※1

36Vマルチボルト蓄電池とブラシレスモーター搭載によりパワフルな研削が可能。

研削量の比較(目安) 作業条件▶材料:SS400(JIS)、トイシ:軸付トイシ WA60P φ25mm、押付荷重:19.6N



※1 当社AC品:ハンドグラインダGP 3Vとの比較。数値は参考値です。電池の状態や条件により異なります。

Image: Chart comparing the grinding performance (approx. 1.6g/min) of the cordless GP36DA with an AC model GP3V (approx. 1.5g/min), demonstrating comparable power.

4. SETUP

4.1. Battery Installation and Removal

- Installation:** Align the battery pack with the battery port on the tool. Slide the battery into place until it clicks securely.
- Removal:** Press the battery release button (if present) and slide the battery pack out of the tool.

4.2. Attaching and Changing Accessories

The GP36DA(NN) comes with a 6mm collet chuck pre-installed. Use the provided spanners for accessory changes.

- Ensure the tool is switched off and the battery is removed.
- Insert the appropriate grinding bit or accessory into the collet chuck. Ensure the shank is fully inserted.
- Use the two spanners (12mm and 17mm) to tighten the collet nut securely. One spanner holds the spindle, and the other tightens the nut.
- To remove an accessory, reverse the tightening procedure.

5. OPERATING INSTRUCTIONS

5.1. Powering On and Off

The GP36DA(NN) features a slide switch for continuous operation.

- To Turn On:** Slide the switch forward to the 'ON' position. The tool will start with a soft start function.
- To Turn Off:** Slide the switch backward to the 'OFF' position. The electric brake will engage to stop the accessory quickly.

5.2. Speed Adjustment and Mode Selection

The tool offers a dial for stepless speed adjustment and two operating modes.

速度調整可能（選べる2モード）

回転数を維持する「変速モード」と、回転数を自動で調整する「オートモード」を用途に合わせて変更可能。



モード	回転数 (min ⁻¹)		用 途	
変 速	ダイヤル設定	1	7,000	研磨・仕上げ
		2	13,800	塗装はがし
		3	16,600	さび落とし
		4	24,400	バリ取り
		5	29,000	研削
オート	A	15,000 : 無負荷時 29,000 : 負荷時		

Image: Close-up of the speed adjustment dial (numbered 1-5 and 'A' for Auto mode) and a table detailing RPMs for various applications.

- **Variable Speed Mode (Dial Settings 1-5):** Rotate the dial to select the desired speed. The tool will maintain this speed during operation.
- **Auto Mode (Dial Setting A):** Select 'A' on the dial. In this mode, the tool automatically adjusts its rotation speed based on the workload. It operates at a lower speed (approx. 15,000 RPM) when idle to reduce noise and increases to full speed (approx. 29,000 RPM) under load.

Recommended Speed Settings:

Mode	Dial Setting	Rotation Speed (min ⁻¹)	Application
Variable Speed	1	7,000	Polishing, Finishing
	2	13,800	Paint Removal
	3	16,600	Rust Removal
	4	24,400	Deburring
	5	29,000	Grinding
Auto Mode	A	15,000 (No-load)	General use, noise reduction at no-load
		29,000 (Under load)	

5.3. General Operation Tips

- Always hold the grinder firmly with both hands.
- Apply steady, even pressure. Avoid excessive force, which can damage the tool or workpiece.
- Allow the tool to reach full speed before contacting the workpiece.
- Move the tool smoothly across the surface for an even finish.



Image: A user wearing gloves operates the HiKOKI cordless hand grinder on a metal pipe, generating sparks, demonstrating typical use.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your hand grinder.

- **Cleaning:** After each use, clean the tool body and ventilation openings with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Accessory Inspection:** Regularly inspect grinding bits and other accessories for wear, damage, or cracks. Replace worn or damaged accessories immediately.

- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Charge batteries using only the specified HiKOKI charger (UC 18YDL2).
- **Storage:** Store the tool and accessories in a dry, secure location, out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your GP36DA(NN), refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not installed correctly Battery discharged Restart prevention function activated	Reinstall battery securely Charge battery Turn the switch OFF then ON again
Reduced power or speed	Battery low Accessory worn or dull Overload protection activated	Charge battery Replace accessory Reduce pressure, allow tool to cool
Excessive vibration	Accessory not properly secured Damaged or unbalanced accessory	Tighten collet nut Replace accessory

If the problem persists after attempting these solutions, please contact an authorized HiKOKI service center.

8. SPECIFICATIONS

Detailed technical specifications for the HiKOKI 36V Cordless Hand Grinder GP36DA(NN).

仕様			
形名		GP 36DA	
最大コレットチャック軸径	mm	6	
使用可能最大先端工具径	mm	25	
モーター	-	直流ブラシレスモーター	
無負荷回転数	min ⁻¹ (回/分)	7,000~29,000	
機体寸法 (全長×全高×全幅)	mm	468×121×86 (BSL 36A18装着時)	
質量	kg	2.5 (BSL 36A18装着時)	
使用可能蓄電池※3		マルチボルト蓄電池 (残量表示付)	
蓄電池	形 名	-	BSL 36A18
	電圧-容量	V-Ah	36-2.5 / 18-5.0
充電器	形 名	-	UC 18YDL2 (冷却機能付)
	充電時間※4	分	実用充電約19 満充電約25
標準付属品		コレットチャック(6mm)(本体装着)、 スパナ (12mm、17mm)、電池カバー ((XP)仕様のみ)	

Image: A table showing the detailed specifications of the GP36DA(NN) hand grinder, including dimensions, weight, and battery information.

Specification	Value
Model	GP36DA
Max Collet Chuck Diameter	6 mm
Max Usable Tip Tool Diameter	25 mm
Motor	DC Brushless Motor

Specification	Value
No-load Rotation Speed	7,000 - 29,000 min ⁻¹ (RPM)
Machine Dimensions (L x H x W)	468 x 121 x 86 mm (with BSL 36A18 battery)
Mass (Weight)	2.5 kg (with BSL 36A18 battery)
Compatible Battery	MultiVolt Battery (with remaining charge display) BSL 36A18
Charger	UC 18YDL2 (with cooling function)
Charging Time (Practical / Full)	Approx. 19 min / 25 min
Standard Accessories	Collet chuck (6mm) (attached to main unit), Spanners (12mm, 17mm) each 1 pc.

9. WARRANTY AND SUPPORT

HiKOKI products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official HiKOKI website.

For technical support, service, or to purchase replacement parts and accessories, please contact your authorized HiKOKI dealer or service center. You can find contact information on the official HiKOKI website or through your product retailer.