

## DEWALT DWE4257KT-QS

# DEWALT 1500W 125mm Variable Speed Angle Grinder DWE4257KT-QS

Instruction Manual

## INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your DEWALT 1500W 125mm Variable Speed Angle Grinder, model DWE4257KT-QS. Designed for durability and control, this tool features a robust motor, variable speed settings, and advanced safety mechanisms. Please read all instructions carefully before use.

# MOTORE PESANTE & MECCANISMO DI AVVIO MORBIDO

PER UNA MAGGIORE LONGEVITÀ E UN MAGGIORE  
CONTROLLO DELL'UTENTE



Image: The DEWALT 1500W 125mm Variable Speed Angle Grinder with its side handle and guard.

## SETUP

Proper setup ensures safe and efficient operation. Follow these steps to prepare your angle grinder for use.

### 1. Attaching the Side Handle

The anti-vibration side handle can be attached to either side of the grinder for optimal comfort and control. Screw the handle firmly into the designated threaded hole on the gear housing.

# ERGONOMICO

PRESENTA UNA PICCOLA CIRCONFERENZA PER UNA PRESA CONFORTEVOLE E UN'IMPUGNATURA LATERALE ANTI-VIBRAZIONE CHE MIGLIORA IL COMFORT DELL'UTENTE



Image: Close-up of the grinder showing the ergonomic design and the anti-vibration side handle attached.

## 2. Attaching the Dust Extraction Guard and Grinding Wheel

For sanding applications, attach the 125mm surface grinding cover. This keyless guard allows for easy mounting and adjustment without additional tools. Ensure the anti-block flange is correctly positioned for easy disc removal and replacement.

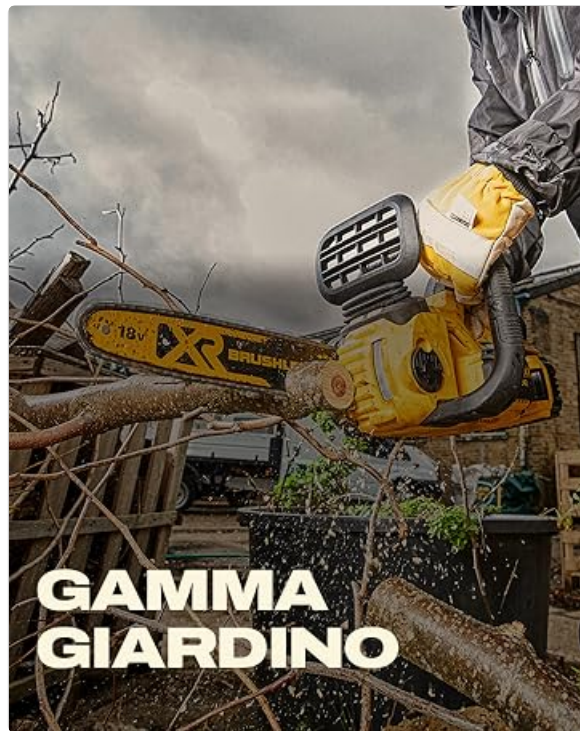


Image: The grinder head showing the spindle lock and anti-block flange for easy disc changes.

## Setup Demonstration Video

Your browser does not support the video tag.

Video: This video demonstrates the unboxing of the grinder and the attachment of the side handle.

Your browser does not support the video tag.

Video: This video illustrates the process of attaching the dust extraction guard and the grinding wheel to the tool.

## OPERATING INSTRUCTIONS

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Understand the key operational features for safe and effective use of your grinder.

### 1. Variable Speed Control

The grinder is equipped with variable speed adjustment, allowing you to select the optimal speed for different applications. Adjust the dial to match the material and task requirements.

# SICUREZZA AL CENTRO

DOTATO DI REGOLAZIONE DELLA VELOCITÀ VARIABILE  
E DI UNA FRIZIONE ELETTROMECCANICA PER RIDURRE  
AL MINIMO LE REAZIONI DI CONTRACCOLPO



Image: Close-up of the variable speed dial, indicating different RPM settings.

## 2. No-Volt Release Switch

The no-volt release switch prevents unexpected restarts after a power interruption. The tool will not restart automatically when power is restored; you must consciously reset the switch to resume operation, enhancing user safety.

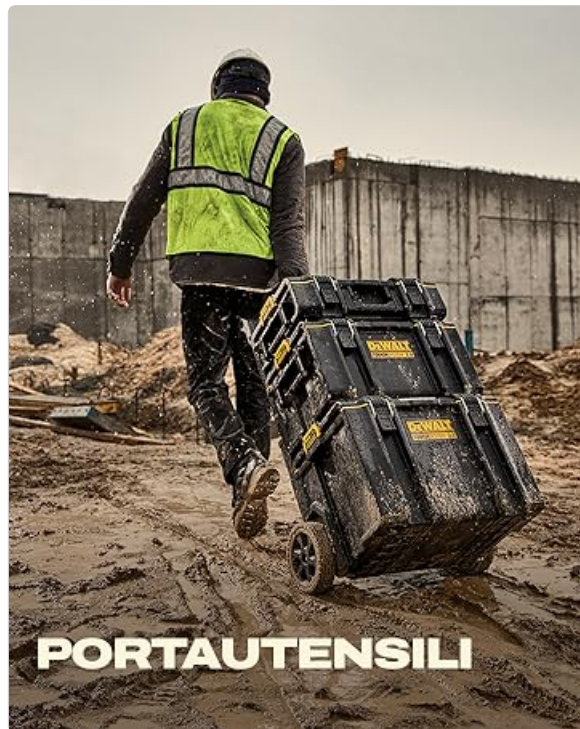


Image: The no-volt release switch on the grinder body.

### 3. Electromechanical Clutch

An electromechanical clutch reduces kickback reactions during disc jams or stalls, providing increased control and safety during operation.

## MAINTENANCE

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Regular maintenance extends the life of your tool and ensures consistent performance.

### 1. Motor Protection

The robust motor is protected from abrasion, and the stator windings are fully leaded to ensure maximum motor durability. An intelligent airflow system effectively removes most debris from the air passing over the motor, preventing overheating and increasing motor life.



Image: Illustration of the intelligent airflow system for debris removal.

### 2. Pop-Off Brushes

The tool features pop-off brushes designed to protect the armature from damage when the brushes reach the end of their life. This mechanism prevents potential damage that could occur if brushes wear completely, contributing to longer motor life.

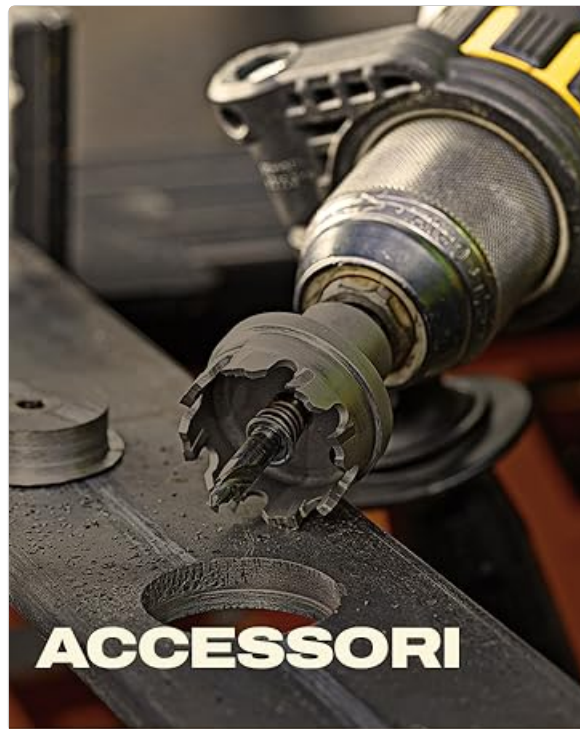


Image: Diagram showing the pop-off brush mechanism.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your angle grinder.

### 1. Tool Shuts Off During Operation

If the tool shuts off unexpectedly, it may be due to the overload protection system. This system automatically powers down the tool if excessive loads are applied, preventing damage. Reduce the load and restart the tool by resetting the no-volt switch.



Image: Visual representation of the overload protection mechanism.

### 2. Tool Does Not Start After Power Interruption

As a safety feature, the no-volt release switch requires a manual reset after any power interruption. Ensure the power supply is stable, then consciously activate the switch to restart the tool.

## SPECIFICATIONS

Feature	Detail
Brand	DEWALT
Model Number	DWE4257KT-QS

Power in Watts	1500 Watts
Voltage	240 Volts
Maximum Rotational Speed	10000 Revolutions per minute
Product Dimensions (L x W x H)	44L x 33l x 16.7H cm
Item Weight	2.6 Kilograms
Material	Copper, Diamond
Power Source	Corded Electric
Included Components	DeWALT DWE4257KT-QS Electronic Angle Grinder 125MM 1500W - NO-VOLT, 125mm surface grinding cover, multi-position bail handle, internal and external disc flanges, 125mm diamond grinding wheel, TSTAK case.

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official DEWALT website or contact your local authorized DEWALT service center. Keep your purchase receipt as proof of purchase for warranty claims.