

**Makita**

# 18V Brushless 125mm (5") Angle Grinder

DGA511  
DGA517



**PREMIUM  
BRUSHLESS**

**PREMIUM**  
**BRUSHLESS**  
**Premium power & runtime**

Our Premium Brushless range is for those who lead the pack seeking industrial quality without compromise. LXT® Premium Brushless tools put you ahead of the game with market leading innovation, maximum power and the ultimate in endurance that 18V has to offer.



# Product Objectives

- Designed to suit the needs of fabricators, engineers, welders and stone masons.
- Develop an 18V angle grinder with a variable speed function which allows users to select the optimum speed for the accessory and the application



# Product Overview

## DGA511 – 18V Brushless 125mm (5") Slide Switch Angle Grinder



# Product Specification Sheet

## DGA511 – 18V Brushless 125mm (5") Slide Switch Angle Grinder

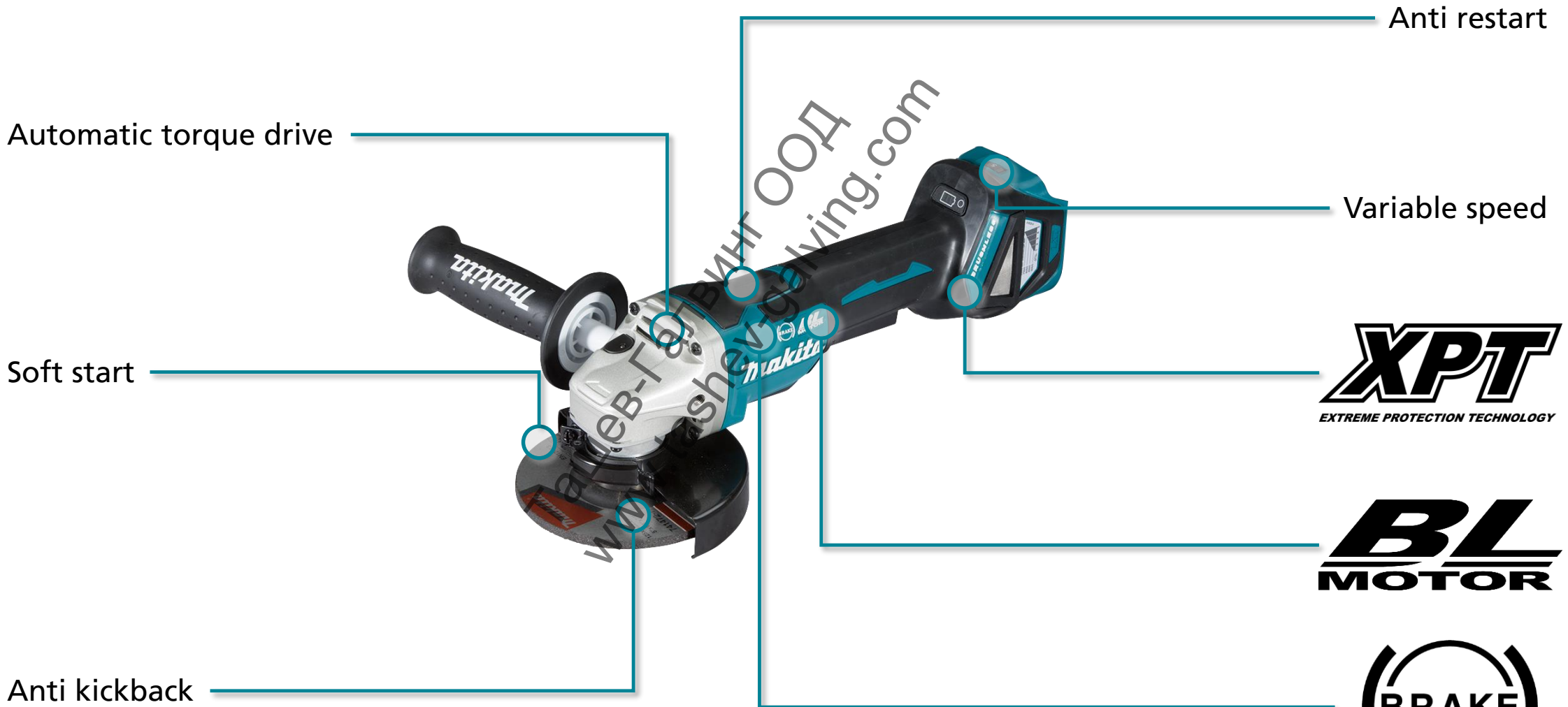


Wheel diameter	125mm (5")
No load speed	3,000 - 8,500rpm
Overall length	382mm
Skin weight	2.5kg
Weight (with battery)	3.1kg
Voltage	18V

- **Automatic torque drive** – automatically adjusts speed and torque during operation for optimum performance
- **Soft start** – slowly increases speed to full rpm for safe and smooth operation
- **Anti-kickback** – turns the motor off if the rotation of the wheel is suddenly forced to stop preventing the tool from kicking backwards
- **Anti-restart** – tool will not start if switch is engaged when a battery is installed. Switch must first return to the off position
- **Variable speed** – dial allows the rpm of the grinder to be controlled at a range between 3,000 and 8,500rpm
- **XPT eXtreme Protection Technology** – for use in outdoor applications or harsh environments, protection from dust and moisture is enhanced
- **BL Brushless Motor** – efficient energy production enabling lower heat production and increased work on a single charge

# Product Overview

## DGA517 – 18V Brushless 125mm (5") Paddle Switch Angle Grinder



# Product Specification Sheet

## DGA517 – 18V Brushless 125mm (5") Paddle Switch Angle Grinder



Wheel diameter	125mm (5")
No load speed	3,000 - 8,500rpm
Overall length	382mm
Skin weight	2.5kg
Weight (with battery)	3.1kg
Voltage	18V

- **Automatic torque drive** – automatically adjusts speed and torque during operation for optimum performance
- **Soft start** – slowly increases speed to full rpm for safe and smooth operation
- **Anti-kickback** – turns the motor off if the rotation of the wheel is suddenly forced to stop preventing the tool from kicking backwards
- **Anti-restart** – tool will not start if switch is engaged when a battery is installed. Switch must first return to the off position
- **Variable speed** – dial allows the rpm of the grinder to be controlled at a range between 3,000 and 8,500rpm
- **XPT eXtreme Protection Technology** – for use in outdoor applications or harsh environments, protection from dust and moisture is enhanced
- **BL Brushless Motor** – efficient energy production enabling lower heat production and increased work on a single charge
- **Electric brake** – quickly and smoothly stops the grinding disc for safe and efficient operation

# Advantages

## Control



Variable speed dial allows optimum control for precise material removal

## Safety



Soft start, Anti-kickback and anti-restart

## Power



Automatic torque drive increases torque to power through tough cuts







## Innovation












High powered Brushless motor provides high power and improved runtimes



# 125mm (5") Grinder Features

	DGA504	DGA505	DGA506	DGA508	DGA511	DGA517
						
Switch type	Slide	Paddle	Slide	Paddle	Slide	Paddle
Anti-restart	✓	✓	✓	✓	✓	✓
Soft start	✓	✓	✓	✓	✓	✓
Automatic torque drive	✓	✓	✓	✓	✓	✓
Anti-kickback	✓	✓	✓	✓	✓	✓
Electric brake	✗	✗	✓	✓	✗	✓
Variable speed	✗	✗	✗	✗	✓	✓

# Our Range

	DGA452	DGA504	DGA505	DGA506	DGA508	DGA511	DGA517	DGA700	DGA900
									
Wheel diameter	115mm (4-1/2")	125mm (5")	125mm (5")	125mm (5")	125mm (5")	125mm (5")	125mm (5")	180mm (7")	230mm (9")
No load speed	10,000rpm	8,500rpm	8,500rpm	8,500rpm	8,500rpm	3,000 - 8,500rpm	3,000 - 8,500rpm	7,800rpm	6,000rpm
Overall length	317mm	362mm	362mm	362mm	362mm	382mm	382mm	499mm	499mm
Skin weight	1.3kg	2.0kg	2.0kg	2.0kg	2.0kg	2.5kg	2.5kg	4.6kg	4.8kg
Weight (with battery)	1.9kg	2.6kg	2.6kg	2.6kg	2.6kg	3.1kg	3.1kg	6.0kg	6.2kg
Voltage	18V	18V	18V	18V	18V	18V	18V	36V (18Vx2)	36V (18Vx2)

# Accessories

## Standard Accessories

	A-80656	125mm Inox Grinding wheel
	153489-2	Side grip
	782423-1	Lock nut wrench
	224554-1	Lock nut
	224314-5	Flange
	135108-2	Tool-less wheel guard

## Optional accessories

	B-35449-10 D-20432-10 B-38489-40 D-20323-5	<b>Metal - Cutting and Grinding</b> 125 x 1.6 x 22.23 (10PK) 125 x 2.5 x 22.23 (10PK) 125 x 3.2 x 22.23 (40PK) 125 x 6 x 22.23 (5PK)
	B-46981-10 B-18150-10 D- 20535-12 B-27121-5	<b>Inox - Cutting and Grinding</b> 125 x 0.8 x 22.23 (10PK) 125 x 1 x 22.23 (10PK) 125 x 1.2 x 22.23 (12PK) 125 x 6 x 22.23 (5PK)

## Optional accessories

	B-22171-20 B-22187-20 B-22193-20 B-22202-20	<b>Flexible Grinding Wheels - Metal</b> 125 x 3 x 22.23 AC36 (20PK) 125 x 3 x 22.23 AC46 (20PK) 125 x 3 x 22.23 AC60 (20PK) 125 x 3 x 22.23 AC80 (20PK)
	B-22414-20 B-22420-20 B-22436-20 B-22442-20	<b>Flexible Grinding Wheels - Inox</b> 125 x 3 x 22.23 WA36 (20PK) 125 x 3 x 22.23 WA46 (20PK) 125 x 3 x 22.23 WA60 (20PK) 125 x 3 x 22.23 WA80 (20PK)
	D-20482-10 D-20373-5	<b>Masonry - Cutting and Grinding</b> 125 x 3 x 22.23 (10PK) 125 x 6 x 22.23 (5PK)
	B-46333	<b>Ultra Thin Diamond Blade - Porcelain</b> 125 x 1.4 x 22.23
	122688-7	<b>125mm Wheel guard for cutting discs</b>
	196845-3	<b>125mm Dust collecting wheel guard</b>