

Makita

18V Brushless 125mm (5") Angle Grinders

DGA506
DGA508

BRUSHLESS



Product Objectives

- Designed to suit the needs of fabricators, engineers, welders and stone masons and more. To access a trades requiring grinders with a blade braking system.
- Develop an 18V Brushless angle grinder with electric brake, kickback detection and soft start, increasing safety and minimizing risk whilst operating.



Product Overview

DGA506 – 18V Brushless 125mm (5") Slide Switch Angle Grinder

Slide Switch



Kickback Detection

Soft Start



ADT

Anti-restart function

XPT
EXTREME PROTECTION TECHNOLOGY

Ergonomically
designed barrel
grip

BL
MOTOR

Product Specification Sheet

DGA506 – 18V Brushless 125mm (5") Slide Switch Angle Grinder



Wheel diameter	125mm (5")
No load speed	8,500rpm
Overall length	362mm
Skin weight	2.0kg
Weight (with battery)	2.6kg
Voltage	18V

- **Slide Switch** – slide switch with lock on
- **Electric brake** - quickly stops the blade rotation after the switch has been disengaged, increasing safety and minimizing risk
- **Kickback detection** – detects kickback and shuts down the tool as soon as rotation speed suddenly slows down to protect the user
- **Soft start** – slowly increases speed to full rpm for safe and smooth operation
- **Automatic Torque Drive** – automatically adjusts speed and torque during operation for optimum performance
- **Anti-restart** – tool will not start if switch is engaged when a battery is installed. Switch must first return to the off position
- **XPT eXtreme Protection Technology** – for use in outdoor applications or harsh environments, protection from dust and moisture is enhanced
- **Ergonomically Designed Barrel Grip** – easy to grip design with rubber for anti-skid and increased control when operating
- **BL Brushless Motor** – efficient energy production enabling lower heat production and increased work on a single charge

Product Overview

DGA508 – 18V Brushless 125mm (5") Paddle Switch Angle Grinder

Paddle Switch



Kickback Detection

Soft Start



ADT

Anti-restart function

XPT
EXTREME PROTECTION TECHNOLOGY

Ergonomically
designed barrel
grip

BL
MOTOR

Product Specification Sheet

DGA508 – 18V Brushless 125mm (5") Paddle Switch Angle Grinder



Wheel diameter	125mm (5")
No load speed	8,500rpm
Overall length	362mm
Skin weight	2.0kg
Weight (with battery)	2.6kg
Voltage	18V

- **Paddle Switch** – large ergonomic paddle switch which shuts down the tool immediately after being released
- **Side Grip** – For increased control and maneuverability during operation
- **Electric brake** - quickly stops the blade rotation after the switch has been disengaged, increasing safety and minimizing risk
- **Kickback detection** – detects kickback and shuts down the tool as soon as rotation speed suddenly slows down to protect the user
- **Soft start** – slowly increases speed to full rpm for safe and smooth operation
- **Automatic Torque Drive** – automatically adjusts speed and torque during operation for optimum performance
- **Anti-restart** – tool will not start if switch is engaged when a battery is installed. Switch must first return to the off position
- **XPT eXtreme Protection Technology** – for use in outdoor applications or harsh environments, protection from dust and moisture is enhanced
- **Ergonomically Designed Barrel Grip** – easy to grip design with rubber for anti-skid and increased control when operating
- **BL Brushless Motor** – efficient energy production enabling lower heat production and increased work on a single charge

Advantages

Power

**BL
MOTOR**

Brushless Motor delivers higher power and rpm with more efficient use of energy.

Innovation

ADT

Automatic torque drive increases torque to power through tough cuts

Control











Ergonomically designed barrel grip

Safety



Electric brake, Kickback detection and Anti-restart

125mm (5") Grinder Features







	DGA504	DGA505	DGA506	DGA508	DGA511	DGA512	DGA517	DGA518
								
Switch type	Slide	Paddle	Slide	Paddle	Slide	Slide	Paddle	Paddle
Anti-restart	✓	✓	✓	✓	✓	✓	✓	✓
Soft start	✓	✓	✓	✓	✓	✓	✓	✓
Automatic torque drive	✓	✓	✓	✓	✓	✓	✓	✓
Anti-kickback	✓	✓	✓	✓	✓	✓	✓	✓
Electric brake	✗	✗	✓	✓	✗	✗	✓	✓
Variable speed	✗	✗	✗	✗	✓	✓	✓	✓
AWS	✗	✗	✗	✗	✗	✓	✗	✓

Our Range



	DGA452	DGA504	DGA505	DGA506	DGA508	DGA511	DGA512	DGA517	DGA518	DGA700	DGA900
											
	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS
Motor Design	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
Wheel diameter	115mm (4-1/2")	125mm (5")	125mm (5")	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	3,000 - 8,500rpm	3,000 - 8,500rpm	7,800rpm	6,000rpm
Overall length	317mm	362mm	362mm	362mm	362mm	382mm	382mm	382mm	382mm	499mm	499mm
Switch Type	Slide	Slide	Paddle	Slide	Paddle	Slide	Paddle	Paddle	Paddle	Paddle	Paddle
Skin weight	1.3kg	2.0kg	2.0kg	2.0kg	2.0kg	2.5kg	2.5kg	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	3.1kg	3.1kg	6.0kg	6.2kg
Voltage	18V	18V	18V	18V	18V	18V	18V	18V	18V	36V (18Vx2)	36V (18Vx2)

Accessories







Standard Accessories

	A-80656	125mm Inox Grinding wheel
	158237-4	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	Metal – Cutting and Grinding 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 20535-12 B-27121-5	Inox – Cutting and Grinding 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	Flexible Grinding Wheels – Metal 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	Flexible Grinding Wheels – Inox 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	Masonry – Cutting and Grinding 125 x 3 x 22.23 (10PK) 125 x 6 x 22.23 (5PK)
	B-46333	Ultra Thin Diamond Blade – Porcelain 125 x 1.4 x 22.23
	122688-7	125mm Wheel guard for cutting discs
	196845-3	125mm Dust collecting wheel guard