# Cordless Angle Grinder
## DGA404 / DGA454 / DGA504

**makita**®

Satisfy Professional's Needs

**18v LITHIUM-ION**

100mm (4")    115mm (4-1/2")    125mm (5")

Photo : DGA404

## **BL MOTOR**
### BRUSHLESS

LXT LITHIUM-ION

# Excellent Performance
## as powerful as AC model

Easy-to-hold grip design with rubber for anti-skid

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■ **Accessory**  Dust collecting wheel guard

Part No.
196845-3
196846-1
Part No. vary by country or area

Photo : DGA504

### Battery

**18v LITHIUM-ION**

BL1850: 18V 5.0Ah
BL1840: 18V 4.0Ah
BL1830: 18V 3.0Ah

BL1820: 18V 2.0Ah
BL1815N: 18V 1.5Ah

### Charger

**DC18RC**

Charging time (3.0Ah)
22minutes

**Two Port Multi Fast Charger DC18RD**

**Four Port Multi Charger DC18SF**
Charging time (3.0Ah)
1 to 2 batteries : 60minutes
3 to 4 batteries : 120minutes

**DC18SD**
Charging time (3.0Ah)
60minutes

**DC18SE** (Automotive)
Charging time (3.0Ah)
60minutes

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## Cordless Angle Grinder
### DGA404 100mm (4") / DGA454 115mm (4-1/2") / DGA504 125mm (5")

**18v LITHIUM-ION**

Ⓢ Soft Start

🟦 Carrying Case

| | DGA404 | DGA454 | DGA504 |
|---|---|---|---|
| Wheel diameter | 100mm (4") | 115mm (4-1/2") | 125mm (5") |
| No load speed (rpm) | 8,500 | 8,500 | 8,500 |
| Dimensions (L x W x H) | 362x117x140mm (14-1/4"x4-5/8"x5-1/2") | 362x130x145mm (14-1/4"x5-1/8"x5-3/4") | 362x140x145mm (14-1/4"x5-1/2"x5-3/4") |
| Net weight | BL1830 : 2.4kg (5.3lbs) | BL1830 : 2.5kg (5.5lbs) | BL1830 : 2.5kg (5.6lbs) |

**Standard Equipment :**
Fast Charger, Battery Cartridge, Depressed Center Grinding Wheel, Lock Nut Wrench, Side Grip

*weight according to EPTA-Procedure 01/2003*   *Items of standard equipment and specifications may vary by country or area.*

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**Battery fuel gauge**

Also warns that Anti-restart function and Current limiter have been activated.

**Anti-restart function**

prevents accidental startup for safety even if the machine is plugged to power source with the lock-on switch on.

**Handles heavy load with Excellent Cooling Function!**

**Protects component parts!**

**Realizes Maximum Efficiency!**

**Slide switch**

**Removable Dust Cover**

**18v LITHIUM-ION**

**XPT**

**EXTREME PROTECTION TECHNOLOGY**

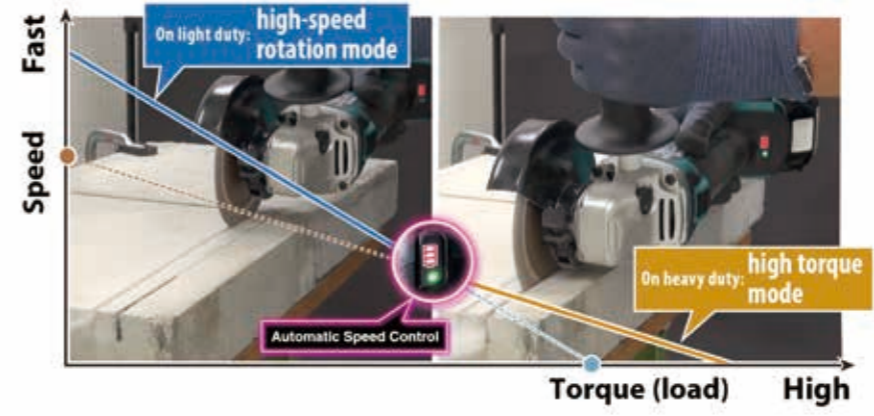For use in outdoor applications or harsh environments, protection from dust and dripping water is enhanced.

**Soft start**

Photo : DGA404

The standard equipment for the tool may vary by country.

## The First in the Industry!
## Equipped with Automatic Speed Control!

Automatically changes the cutting speed according to load condition for an optimum operation
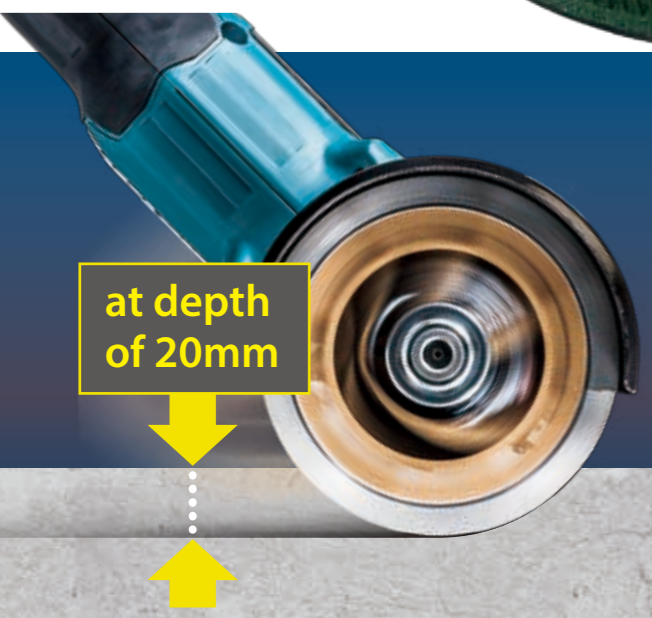
The above rank is within 14.4V & 18V class of Cordless Angle Grinders, and is based on our research in July 2014.
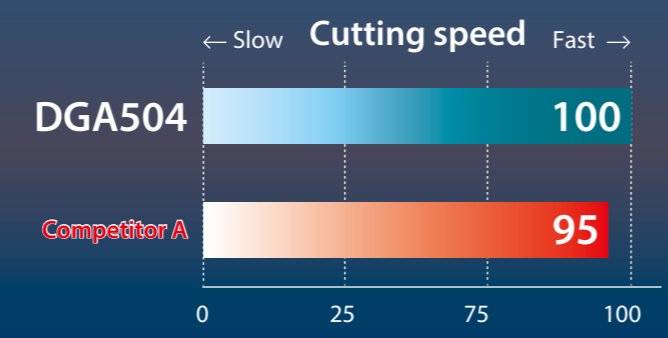
On light duty: high-speed rotation mode
On heavy duty: high torque mode
Automatic Speed Control
Speed / Fast / Torque (load) / High

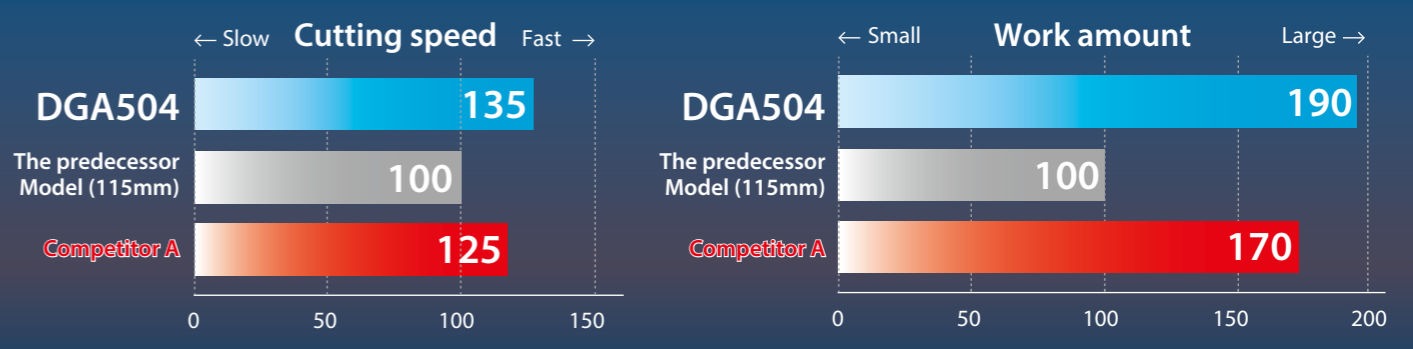High torque mode : 1 solid green LED

**at depth of 20mm**

## Efficiency of concrete cutting

Test conditions: Cut concrete continuously at depths of 20mm, and measured the time required to cut across a 600mm wide.

← Slow   **Cutting speed**   Fast →

DGA504 — 100

Competitor A — 95

0    25    75    100

Test conditions: Cut concrete continuously at depths of 10mm, and measured the time required to cut across a 600mm wide.

← Slow   **Cutting speed**   Fast →

DGA504 — 135

The predecessor Model (115mm) — 100

Competitor A — 125

0    50    100    150

← Small   **Work amount**   Large →

DGA504 — 190

The predecessor Model (115mm) — 100

Competitor A — 170

0    50    100    150    200

Note: 1. The test results depend to a great extent on the hardness of materials, etc.
2. The numbers in the bar graphs are relative values when the capacity of Makita 115mm predecessor model is indexed at 100. When it is impossible to measure the result, the best performing model is indexed at 100 instead.