

Easy-to-operate Paddle Switch & Kick-back Detection

DGA505Z / DGA455Z



Paddle switch

ergonomically designed to provide easy on/off switching by the hand gripping motor housing, allowing for comfortable, continuous operation equipped with a lock-off button to prevent accidental start.

Accessory

Dust collecting wheel guard



Part No. vary by country or area



Kick-Back Detection

shuts down the tool to protect the user, if the rotation speed suddenly slows down (e.g., kick-back).



Battery



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

BL1815N: 18V 1.5 Ah

Charger

DC18RC



Charging time (3.0 Ah)
22minutes

Two Port Multi Fast Charger DC18RD



Four Port Multi Charger DC18SF

Charging time (3.0 Ah)
1 to 2 batteries: 60 minutes
3 to 4 batteries: 120 minutes



DC18SD

Charging time (3.0 Ah)
60minutes

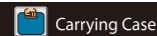


DC18SE (Automotive)

Charging time (3.0 Ah)
60minutes



Cordless Angle Grinder



DGA504RMEX / DGA504Z 5" (125 mm) / DGA454RMEX / DGA454Z 4-1/2" (115 mm) / DGA505Z 5" (125 mm) / DGA455Z 4-1/2" (115 mm)



Thumb Switch

	DGA504RMEX	DGA504Z	DGA454RMEX	DGA454Z	DGA505Z	DGA455Z
Battery Capacities	18V Li-Ion	18V Li-Ion	18V Li-Ion	18V Li-Ion	18V Li-Ion	18V Li-Ion
Grinding Wheel	5" (125 mm)	5" (125 mm)	4-1/2" (115 mm)	4-1/2" (115 mm)	5" (125 mm)	4-1/2" (115 mm)
No Load Speed	8,500 RPM	8,500 RPM	8,500 RPM	8,500 RPM	8,500 RPM	8,500 RPM
Arbor Size	5/8" - 11 UNC	5/8" - 11 UNC	5/8" - 11 UNC	5/8" - 11 UNC	5/8" - 11 UNC	5/8" - 11 UNC
Overall Length	14-1/4" (362 mm)	14-1/4" (362 mm)	14-1/4" (362 mm)	14-1/4" (362 mm)	14-1/4" (362 mm)	14-1/4" (362 mm)
Net Weight	4.2 lbs (1.9 kg)	4.2 lbs (1.9 kg)	4.2 lbs (1.9 kg)	4.2 lbs (1.9 kg)	4.2 lbs (1.9 kg)	4.2 lbs (1.9 kg)

Paddle Switch

DGA504RMEX Standard Equipment: Two 18V (4.0 Ah) Li-Ion Batteries BL1840 (196401-9), Charger (DC18RC), Battery Cover (450128-8), 5" Depressed Centre Wheel (D-20797), Toolless Wheel Cover (123145-8), Side Handle (158237-4), Lock Nut Wrench 28 (782424-9), Inner Flange 45 (224399-1), Lock Nut 5/8"-45 (224568-4), 21" Tool Bag (821007X)

DGA504Z Standard Equipment: Tool Only. Batteries and Charger Sold Separately. 5" Depressed Centre Wheel (D-20797), Toolless Wheel Cover (123145-8), Side Handle (158237-4), Lock Nut Wrench 28 (782424-9), Inner Flange 45 (224399-1), Lock Nut 5/8"-45 (224568-4)

DGA454RMEX Standard Equipment: Two 18V (4.0 Ah) Li-Ion Batteries BL1840 (196401-9), Charger (DC18RC), Battery Cover (450128-8), 4-1/2" Depressed Center Wheel (D-20781), Toolless Wheel Cover (123144-0), Side Handle (158237-4), Lock Nut Wrench 28 (782424-9), Inner Flange 45 (224399-1), Lock Nut 5/8"-45 (224568-4), 21" Tool Bag (821007X)

DGA454Z Standard Equipment: Tool Only. Batteries and Charger Sold Separately. 4-1/2" Depressed Center Wheel (D-20781), Toolless Wheel Cover (123144-0), Side Handle (158237-4), Lock Nut Wrench 28 (782424-9), Inner Flange 45 (224399-1), Lock Nut 5/8"-45 (224568-4)

DGA505Z Standard Equipment: Tool Only. Batteries and Charger Sold Separately. 5" Depressed Centre Wheel (741407-B), Toolless Wheel Cover (123145-8), Side Handle (158237-4), Lock Nut Wrench 28 (782424-9), Inner Flange 45 (224399-1), Lock Nut 5/8"-45 (224568-4)

DGA455Z Standard Equipment: Tool Only. Batteries and Charger Sold Separately. 4-1/2" Depressed Center Wheel (D-20781), Toolless Wheel Cover (123144-0), Side Handle (158237-4), Lock Nut Wrench 28 (782424-9), Inner Flange 45 (224399-1), Lock Nut 5/8"-45 (224568-4)



Cordless Angle Grinder

DGA504RMEX / DGA504Z 5" (125 mm) Thumb Switch

DGA454RMEX / DGA454Z 4-1/2" (115 mm) Thumb Switch

DGA505Z 5" (125 mm) Paddle Switch

DGA455Z 4-1/2" (115 mm) Paddle Switch

Satisfy Professional's Needs



Photo : DGA454

Thumb switch
DGA504RMEX / DGA504Z
DGA454RMEX / DGA454Z

Excellent Performance
as powerful as AC model

BL
MOTOR
BRUSHLESS

Paddle switch
DGA505Z / DGA455Z
Kick-Back Detection

Photo : DGA455



Thumb switch
 DGA504RMEX / DGA504Z
 DGA454RMEX / DGA454Z



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!

18V LITHIUM-ION

Photo: DGA454

BL MOTOR

XPT
 EXTREME PROTECTION TECHNOLOGY

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

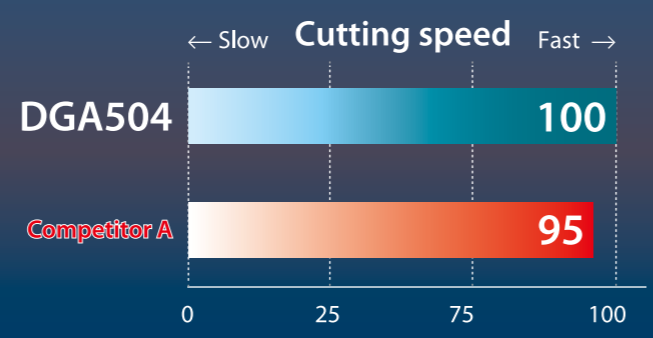


The standard equipment for the tool may vary by country.



Efficiency of concrete cutting

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



Removable Dust Cover

Paddle switch
 DGA505Z / DGA455Z

Kick-Back Detection

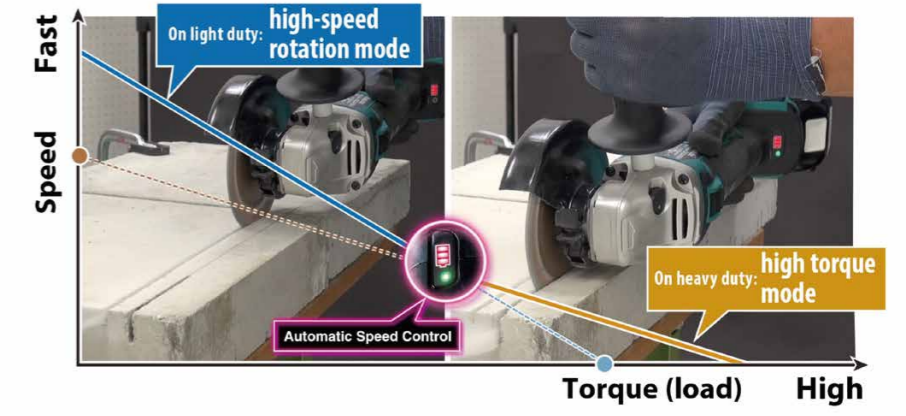
shuts down the tool to protect the user, if the rotation speed suddenly slows down (e.g., kick-back).

Photo: DGA455

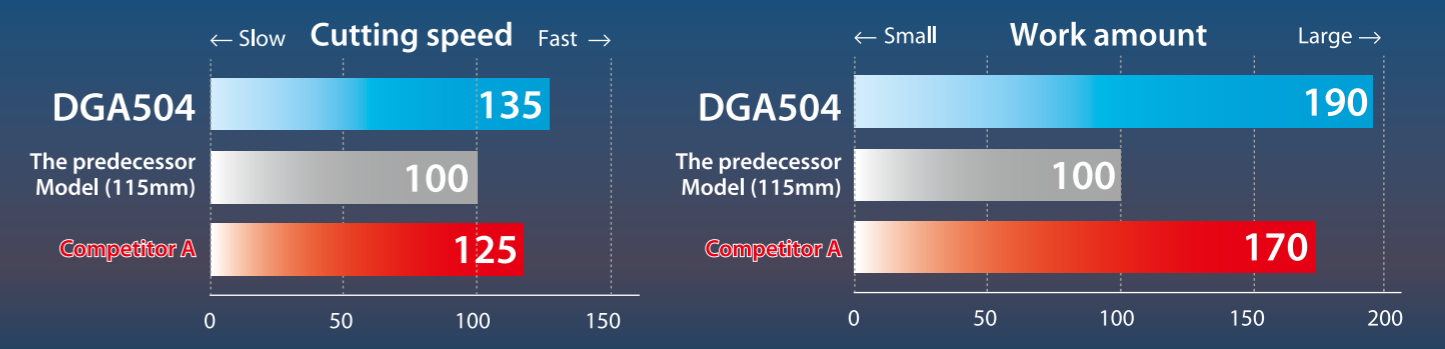
The First in the Industry! Equipped with Automatic Speed Control!

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.



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



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.