

Makita

18V Brushless AWS* 82mm Planer



DKP181

BRUSHLESS

Product Objectives

- The brushless planer has been designed for building and construction type applications. With a high power brushless motor providing power equal to that of AC models.
- To develop a powerful cordless solution, ideal for various trades such as builders, carpenters, shop fitters, cabinet makers, kitchen fitters, and many more.



Product Overview

3mm cutting depth

25mm shiplapping cuts

3 chamfering grooves

Electric blade brake

ADT
Automatic torque Drive Technology

AWS
Auto - start Wireless System

Left & Right chip ejection

Foot on base plate



Product Specification Sheet



Planing width	82mm
Max. planing depth	3mm
Shiplapping / rebate	25mm
No load speed	12,000rpm
Noise	84db(A)
Vibration	5.0m/s ²
Overall length	366mm
Skin weight	3.0kg
Weight (with battery)	3.6kg
Voltage	18V

- **3mm cutting depth** – high powered brushless motor allows up to a maximum 3mm cutting depth.
- **25mm shiplapping cuts** – housing design has been re-engineered to allow for up to a 25mm cutting depth.
- **3 chamfering grooves** – easy chamfering by aligning the groove with the edge of the workpiece. 3 different size grooves allow for different groove dimensions.
- **Electric blade brake** – blade rapidly stops after the trigger has been released. Preventing user injury or damage to the workpiece.
- **Automatic torque Driver Technology (ADT)** – automatically changes the cutting speed according to the load conditions for optimum operation.
- **Auto-start Wireless System (AWS)** – with optional wireless unit, wireless connection can be made between the tool and an AWS supported vacuum for wirelessly enabling the vacuum to operate when the tools trigger is engaged.
- **Left & right chip ejection** – easily divert the wood chips either left or right by adjusting the ejection cover plate to the preferred side.
- **Foot on base plate** – protects the workpiece from scratches and damage by raising the base off the work material when not in operation.

Advantages

Power



18V Brushless Motor providing more power and extended run-time

Innovation



Automatic Torque Drive Technology
Optimises cutting performance

Versatility



Left & right chip ejection for convenient operation

Dust Management



On demand dust extraction for wireless activation of the vacuum

Our Range

	DKP181	DKP180
	 <p>BRUSHLESS</p>	
Planing width	82mm	82mm
Max. planing depth	3mm	2mm
Shiplapping / rebate	25mm	9mm
No load speed	12,000rpm	14,000rpm
Noise	84db(A)	84db(A)
Vibration	5.0m/s ²	4.5m/s ²
Overall length	366mm	333mm
Skin weight	3.0kg	2.8kg
Weight (with battery)	3.6kg	3.4kg
Voltage	18V	18V
Runtime: 67mm width pine, 6.0Ah battery	At 0.5mm – 76m At 2.0mm – 46m	At 0.5mm – 69m At 2.0mm – 24.5m

Frequently Asked Questions

How to correctly replace planer blades

Instructions are outlined in page 10 of the user manual.

There is also a video tutorial available below.

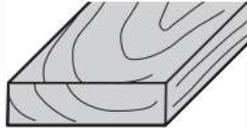
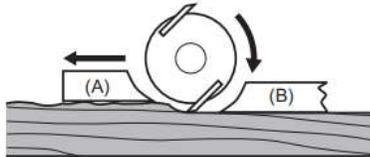
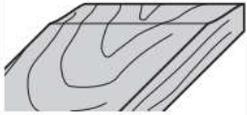
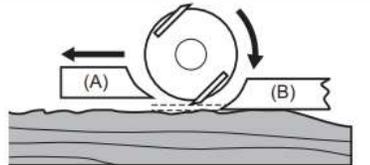
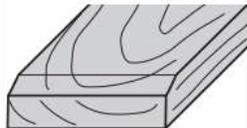
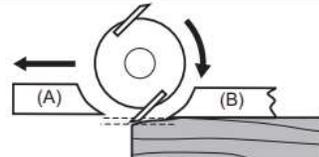
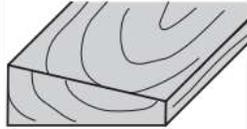
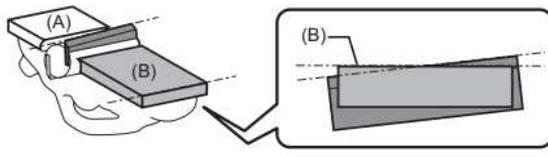


Frequently Asked Questions

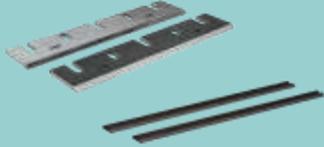
My planing surface is rough and uneven?

The planing surface can will end up rough and uneven unless the blades are secured properly. The blade must be mounted so that the cutting edge is perfectly level, parallel to the surface of the rear base.

Refer to some examples below for proper and improper settings.

Planing surface	Blade setting	Cause
<p>Correct setting</p> 		<p>Although this side view cannot show it, the edge of the blades run perfectly parallel to rear base surface</p>
<p>Gouging at start</p> 		<p>Both blade edges fails to protrude enough in relation to rear base line.</p>
<p>Gouging at end</p> 		<p>One or both blade edges protrude too far in relation to rear base line.</p>
<p>Aslope in surface</p> 		<p>One or both blades fails to have edge parallel to rear base line.</p>
<p>(A): Front base (Movable shoe) (B): Rear base (Stationary shoe)</p>		

Accessories

Standard Accessories			Optional Accessories		
	191C23-8	Guide Rule Assembly Set		D-71641 D-71657 D-71663 D-71679	Planer Blades 82mm HSS Planer Blade 82mm T.C. Planer Blade 82mm T.C. Mini Planer Blade 82mm T.C. Mini Planer Blade (with Set Plate)
	191C19-9	Blade Gauge Assembly		191C22-0	Chamfering Rule Assembly Set
	342390-8 253807-5 251878-6	Depth Guide Assembly		191C20-4	Elbow Set
	782209-3	Socket Wrench 9		191C21-2	Dust Bag Assembly
	D-71663	82mm T.C Mini Planer Blades		198901-5	AWS Wireless Unit (WUT01)
				199766-8	AWS Adaptor Set (WUT02U)
				D-17756 794060-9	Dressing Stone
				191C17-3	Sharpening Holder Assembly Set

Extraction System

Model	Applicable Cuffs	Hose	Vacuum
	 <p>Front Cuff 38 – 195545-2</p>	 <p>28mm diameter hose</p>	<p>DVC154L DVC862L DVC860L DVC750LX1 DVC265 DVC261 DVC260 VC2510LX1 VC3210LX1</p>
	 <p>38mm Quick Fit – W107418688</p>	 <p>32mm Quick Fit Hose</p>	<p>VC3012L VC3012M VC4210L VC4210M</p>
	 <p>38mm Quick Fit – W107418680</p>	 <p>32mm diameter</p>	<p>VC2012L</p>