

Makita

18V Brushless Multi-Tool

LXT

DTM52



BRUSHLESS

Setup Data



Model No.	Barcode	Description	Packaging Dimensions LxWxH	Packaged Item Weight
DTM52ZX3	0088381741378	18V Brushless Starlock Max Multi-Tool - Tool Only	315 x 120 x 130mm	1.6kg

Product Statement

18V Brushless Multi Tool

The Makita 18V LXT Brushless Multi-Tool (DTM52) delivers more power and less vibration than ever before. The DTM52 is engineered with premium features like AVT for reduced vibration and lower noise. While the new STARLOCK Max accessory mount system provides improved performance, ideal for cutting, sanding, scraping, grout removal, and more.

The DTM52 delivers increased cutting efficiency with an improved oscillation angle of 3.6° engineered for faster, more aggressive cutting and sanding. The variable speed control dial (6,000 – 20,000 OPM) and soft start feature enable the user to match the speed to the application with more control. The DTM52 is engineered for a range of applications including cutting, sanding, scraping, grout removal, and more. It is ideal for builders, carpenters, plumbers, wood floor installers, and general trades seeking a best-in-class cordless multi-tool.



Product Overview



Product Specification Sheet



Oscillation angle, left/right	1.8° (3.6° total)
Oscillation per minute	10,000 - 20,000opm
Vibration	2.5 m/s²
Overall length	322mm
Skin weight	1.4kg
Weight (with battery)	2.0kg (BL1860B)
Voltage	18V

- **Compatible with Starlock Max accessories** – compatibility with a new range of accessories for heavy duty applications. Starlock Max blades have larger cutting capacities for deeper cutting and transfer more power for applications like cutting rebar.
- **Tool-less Accessory Change** – quick and easy blade changes by opening the lock lever removing the bolt install the accessory replace the bolt and close the lever lock.
- **Soft Start** – reduces the initial start up shock and allows the user to accurately land the blade on the workpiece.
- **3.6° Oscillation Angle** – high operating efficiency thanks to the large oscillating angle and constant speed control. Larger angle allows for faster and more aggressive cutting.
- **Variable speed control dial** – allows the user to adjust the speed to suit the application. Variable between 6,000 and 20,000opm
- **Anti-Vibration Technology (AVT)** – significantly lower vibration than any other tool on the market. Due to a redesigned housing structure the DTM52 produces vibration of only 2.5m/s².
- **eXtreme Protection Technology (XPT)** – improved protection against dust & moisture even in the harshest jobsite conditions, increasing durability.
- **Small Grip Diameter** – the motor has been relocated to the front end of the body allowing for a slimmer grip design. The grip circumference is only 169mm significantly smaller than competitors making the tool extremely comfortable to use.

Advantages

Power



High operation efficiency thanks to large oscillation angle and constant speed control

Compatibility



STARLOCK

STARLOCK PLUS

STARLOCK MAX

Compatible for use with all STARLOCK Accessories

Vibration



Lowest Vibration on the market at only 2.5m/s²

Comfort



Narrow grip diameter of only 169mm
Smallest on the market for maximum comfort

STARLOCK MAX Accessory Mount System

STARLOCK MAX is a re-design of the multi tool blade and mounting system, in order to more efficiently transfer power to the blade. The new design involves a 3D fitment where the star like design on the blade fits inside the mount system. By providing more solid contact this system allows for a higher power transfer than previous systems which relies on a series of pins to hold the blade in place.












There is currently 3 tiers in the STARLOCK Range.
The DTM52 is compatible with all 3

STARLOCK		Application: Thin wood cutting Thin sheet metal Cutting nails
STARLOCK PLUS		Application: Cutting wood Sheet metal Cutting screws
STARLOCK MAX		Application: Cutting hardwood Removing sealant Cutting Rebar



STARLOCK MAX Accessory Compatibility

The DTM52 STARLOCK MAX multi-tool, is compatible with the entire range of STARLOCK blades

	STARLOCK	STARLOCK PLUS	STARLOCK MAX
<div>OIS Compatible Tools</div> <div>  </div>	 	 	 
<div>STARLOCK MAX</div> <div>Compatible Tools</div> <div>  </div>			

Anti-Vibration Technology - AVT

Significantly lower vibration than any other tool on the market. Due to a redesigned housing structure the DTM52 produces vibration of only 2.5m/s².

AVT
ANTI VIBRATION TECHNOLOGY

Model	Vibration
DTM52	2.5m/s ²
DTM51	7.0m/s ²



High Operating Efficiency

The increased oscillating angle on the DTM52 paired constant speed control and the ability to power longer accessories significantly increases the tools efficiency in a wide variety of applications.

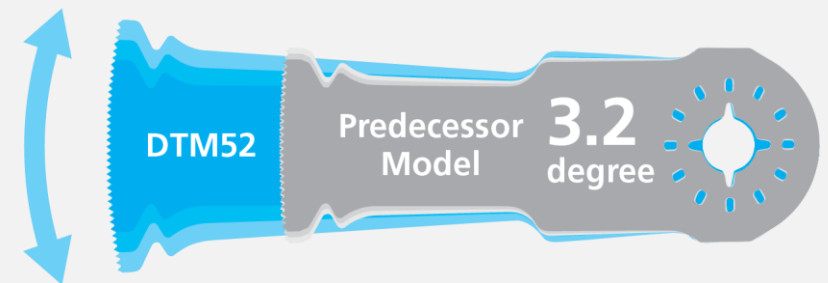
When testing the multi tool plunge cuts where made in 38mm thick pine with the DTM52 performing **90%** faster than the previous model

Up to




90%


Faster
Cutting

Model	Oscillation Angle	Oscillations Per Minute	Constant Speed Control	Work Efficiency
DTM52	3.6°	20,000	Yes	2.9 seconds
DTM51	3.2°	20,000o	No	5.5 seconds



Our Range

	DTM52Z	DTM51Z	DTM50Z	TM30DZ
				
Oscillation angle, left/right	1.8° (3.6° total)	1.6° (3.2° total)	1.6° (3.2 total)	1.6° (3.2° total)
Oscillation per minute	10,000 - 20,000opm	6,000 - 20,000opm	6,000 - 20, 000opm	6,000 - 20,000opm
Vibration	2.5 m/s ²	7.0 m/s ²	10.0 m/s ²	10.5 m/s ²
Noise	69dB(A)	77dB(A)	84dB(A)	82dB(A)
Overall length	322mm	340mm	324mm	296mm
Skin weight	1.4kg	1.6kg	1.4kg	0.83kg
Weight (with battery)	2.0kg (BL1860B)	2.2kg (BL1860B)	2.0kg (BL1860B)	1.2kg (BL1041B)
Voltage	18V	18V	18V	12V MAX
Tool-less Accessory Change	Yes	Yes	No	No
Starlock Compatible	Yes	Yes	Yes	Yes
Starlock Max Compatible	Yes	No	No	No

Standard Accessories		
	B-66329	Bow Shape Plunge Cut Saw Blade



Multi Tool Accessory Colour Coded Interfaces



STARLOCK MAX Optional Accessories

	<p>B-66400 B-66416 B-66422 B-66438</p>	<p><u>Wood & Metal</u> <u>Starlock Max Plunge Saw Blade</u></p> <p>Bi-Metal - 32mm x 80mm / 20TPI Bi-Metal - 52mm x 70mm / 18TPI Bi-Metal - 100mm x 50mm / 15TPI HCS - 32mm x 80mm / 18TPI</p>
	<p>B-66444</p>	<p><u>Metal</u> <u>Starlock Max TCT Plunge Saw Blade</u></p> <p>Tungsten Edge – 32 x 70mm / 23TPI</p>

STARLOCK MAX Optional Accessories

	<p>B-66466 B-66472 B-66450</p>	<p><u>Multi Material</u> <u>Starlock Max Silicon Joint Cutter</u></p> <p>HCS Tapered 14mm x 70mm / Knife Edge HCS Straight 32mm x 55mm / Knife Edge Curved Tungsten Edge 32mm x 70mm / 20TPI</p>
	<p>B-66494 B-66503 B-66519 B-66525 B-66531 B-66547</p>	<p><u>Grout & Abrasive</u> <u>Starlock Max Carbide Joint Cutter</u></p> <p>50 Grit / 1.5mm Wide / 68mm x 10mm 30 Grit / 2.2mm Wide / 68mm x 30mm 40 Grit / 2.2mm Wide / 68mm x 30mm 40 Grit / 1.5mm Wide / 68mm x 30mm 40 Grit / 2.1mm Wide / 68mm x 30mm 40 Grit / 1.9mm Wide / 100mm x 50mm</p>
	<p>B-66553 B-66569 B-66575 B-66581</p>	<p><u>Sanding</u> <u>Starlock Max Carbide Sanding Plate</u></p> <p>20 GRIT / 93 x 93mm 40 GRIT / 93 x 93mm 60 GRIT / 93 x 93mm 100 GRIT / 93 x 93mm</p>

Round Saw Blades



Wood – Wood& Metal – Multi Material

Plunge Cut Saw Blades



Wood – Wood& Metal – Multi Material

Scraping Blades



Mortar – Tile Adhesive – Lino Tiles

Cutting Blades



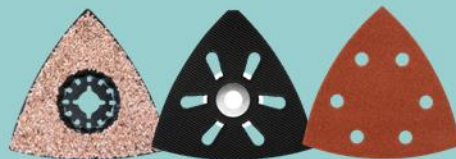
Silicon – Insulation – Cardboard – Carpet

Carbide Riff Blades



Grout – Fibreglass – Epoxy

Sanding



Tile Adhesive – Wood/Metal – Paint



*Click to view complete multi-tool accessory guide