

Makita

18Vx2 Brushless AWS 28mm SDS Plus Rotary Hammer

LXT

DHR282/283



18Vx2 18V + 18V 36V
BRUSHLESS

WIRELESS, ON DEMAND, DUST EXTRACTION

Makita's Auto-start Wireless System (AWS) has modernised on-demand dust extraction to meet the needs of cordless power tool users. AWS allows you to work with maximum efficiency, without the hazard of dust & leads. Featuring our legendary cordless technology, the AWS range has the power, speed & runtime to keep you ahead of the game.



Makita

18Vx2 18V + 18V 36V

BRUSHLESS

CUT THE CORD, NOT THE POWER

Cut the cord and not the power with our 18Vx2 range of power tools. Our 18Vx2 range offers more power, speed and run-time without the hassles of a cord. The best part is our 18Vx2 line-up is fully compatible with all LXT® batteries and chargers. Tough out bigger jobs with 18Vx2 tools and then go back to work with the world's largest range of 18V power tools.



Product Objectives

- Designed to suit any user with high performance demands such as industrial fit outs, construction and demolition.
- Increase the world's largest 18V range with a premium performance 28mm SDS Plus Rotary Hammer



Product Overview

AWS
Auto - start Wireless System *

3 Modes

Quick change chuck**

AVT
ANTI VIBRATION TECHNOLOGY

Dual LED Job light

AFT

Optional onboard dust extraction

Variable Speed Dial



XPT
EXTREME PROTECTION TECHNOLOGY

18Vx2 18V + 18V 36V
BRUSHLESS

*AWS receiver included with select models ** Available on DHR283 only

Product Specification Sheet



- **AWS*** – Auto-Start Wireless System, allows the tool and compatible vacuum to run automatically while the switch trigger is being pulled
- **Quick change chuck** – The DHR283 model comes with a quick change chuck allowing you to change quickly between masonry and steel bits
- **Dual LED Job light** – for enhanced visibility in low light & confined conditions
- **Optional onboard dust extraction** – can be fitted as an accessory for dust extraction without a separate vacuum
- **XPT** – Extreme Protection Technology that protects against dust & moisture even in the harshest jobsite conditions
- **3 Modes** – select between Rotation only, Hammer only & Rotation with Hammer
- **AVT** – Anti-Vibration technology delivers unbelievably smooth performance at just 9.0m/s² for DHR282 or 9.5m/s² for DHR283 thanks to the counter weight mechanism and vibration absorbing handle
- **AFT** – Active Feedback-sensing Technology prevents kickback for added safety
- **Variable Speed Dial** – allows the user to adjust the speed based on application
- **18Vx2 Brushless Motor** – efficient energy production more power, lower heat production and increased work on a single charge

Model	DHR282	DHR283
Max capacity in masonry	28mm	
Impact energy	2.8j	2.9j
No load speed	0 – 980rpm	
Impact rate	0-5,000ipm	
Vibration	9.0m/s ²	9.5m/s ²
Overall Length	373mm	404mm
Skin weight	3.7kg	3.8kg
Weight (with battery)	5.0kg	5.1kg
Voltage	18Vx2	

* AWS receiver included with select models

Innovation



AWS* delivers on demand dust extraction

Ergonomics



AVT Technology for working longer, safer

Safety



AFT detects kick back and shuts down tool

Control



Tackle any task with variable speed control

* AWS receiver included with select models

Advantages

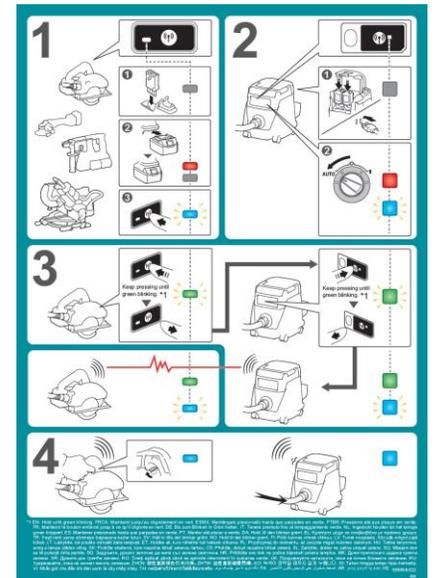
The DHR282/283 can pair to our 18Vx2 Brushless AWS Dust Extraction Vacuum (DVC864L) thanks to the new Auto-Start Wireless System.

This feature enables automatic start up of the vacuum when the trigger is pulled on the tool for on demand dust extraction.

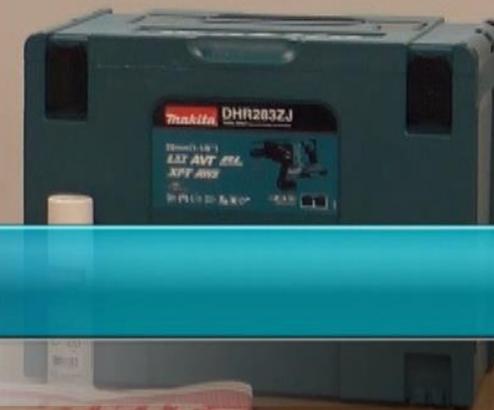
The DVC864L will also run for several seconds after the trigger has been released to pull any remaining material completely through the hose.

How to pair your tools

1. Turn the DVC864L power dial to "AUTO."
2. Press and hold the  button on the DHR282/283 for 3 seconds until the light flashes **Green**.
3. Press and hold the  button on the DVC864L for 3 seconds until the light flashes **Green**.
4. Lights will turn to flashing **Blue** when the two units are paired.

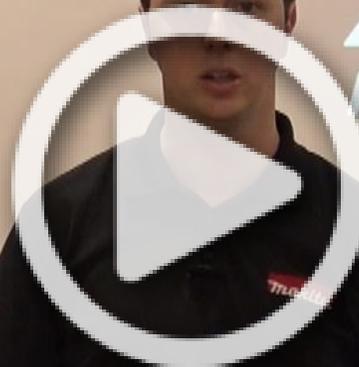


[Click Here for instructional video – Pairing Bluetooth Tools](#)



AWS

Auto - start Wireless System



Greg Wright

Product Manager

Our Range

	DHR165	DHR171	DHR202	DHR242 / DHR243	DHR263 / DHR264	DHR282/ DHR283	DHR400
							
Max. capacities in masonry	16mm	17mm	20mm	24mm	26mm	28mm	40mm
Max. capacities in wood	24mm	13mm	26mm	27mm	32mm	32mm	-
Max. capacities in steel	13mm	10mm	13mm	13mm	13mm	13mm	-
Impact energy	1.3j	1.2j	1.9j	2.0j	2.5j	2.8 / 2.9j	8.0j
No load speed	0 - 1,600rpm	0-680rpm	0 - 1,100rpm	0 - 950rpm	0 - 1,250rpm	0 – 980rpm	250 – 500rpm
Impact rate	0 - 5,300ipm	0-4,800ipm	0 - 4,000ipm	0 - 4,700ipm	0 - 5,000ipm	0 - 5,000ipm	1,450-2,900ipm
Vibration	12.0m/s ²	9.0m/s ²	14.5m/s ²	13.5m/s ²	15.5m/s ²	9.0m/s ² / 9.5m/s ²	5.0m/s ²
Overall length	297mm	273mm	358mm	328mm	374mm	373mm / 404mm	473mm
Skin weight	1.9kg	2.2kg	2.6kg	2.7kg	4.1kg	3.7kg / 3.8kg	6.7kg
Weight (with battery)	2.5kg	2.8kg	3.2kg	3.3kg	4.7kg	5.0kg / 5.1kg	7.9kg
Voltage	18V	18V	18V	18V	18Vx2	18Vx2	18Vx2

Installing SDS Plus Bits?

Before installing the SDS Plus bit you should ensure the shank is clean and apply grease into the grooves on the shank. Insert the bit into the tool, turn the bit and push until it engages. If the bit cannot be pushed in, remove the bit. Pull the release cover down a couple of times and then re-insert the bit, turning and pushing until it engages. After installing the bit, ensure that it is securely held into place by trying to pull it out.



On-Board Dust Extraction Set DX08 (199579-7 – DHR282)

260mm Max. Bit Length



Depth Gauge

HEPA Filter

Filter Cleaning Mechanism

Transparent Collection Case

On-Board Dust Extraction Set DX09 (199583-6 – DHR283)

260mm Max. Bit Length



Depth Gauge

HEPA Filter

Filter Cleaning Mechanism

Transparent Collection Case

Standard Accessories		
	194683-7	Bit grease
	443122-7	Cloth
	199135-5	13mm Industrial chuck (DHR283 only)
	198901-5	Wireless Unit*
	821552-6	Connector Case

Optional accessories		
	Link to Website	SDS-Plus Drill Bits
	Demolition Bits	Refer to Accessory Catalogue
	198901-5	Wireless Unit*
	194683-7	Bit grease
	199579-7	DX08 Dust Extractor (DHR282)
	199583-6	DX09 Dust Extractor (DHR283)

* AWS receiver included with select models