

**Makita**<sup>®</sup>

# 18mm SDS Plus Rotary Hammer

HR1840

HR1841F



# Product Objectives

- Designed to suit the needs of demolition crews, concreters, builders, electricians plumbers and any looking to undertake masonry drilling
- Develop 2 new high class products equipped with improved impact energy and first in class 18mm rotary hammer to feature AVT
- The HR1840 replaces the HR1830.



# Product Overview

## HR1840 – 18mm SDS Plus Rotary Hammer



# Product Specification Sheet

## HR1840 – 18mm SDS Plus Rotary Hammer



Max. drilling capacities in concrete	18mm
Max. drilling capacities in wood	24mm
Max. drilling capacities in steel	13mm
Impact energy	1.4j
No load speed	0-2,100rpm
Impact rate	0-4,800ipm
Vibration	10.0m/s <sup>2</sup>
Noise	87dB
Continuous rating input	470W
Overall length	285mm
Net weight	2.0kg
Power supply cord	2.0m

- **One touch sliding chuck** – quick and easy bit changes by simply pulling the collar down with one hand
- **Torque limiter** – protects the tool and the user should the bit jam. When a certain torque level is reached the motor will disengage
- **2 operation modes** – rotation only and rotation with hammering
- **Ergonomic grip** – soft grip provides comfort and control with an ergonomic design allowing maximum thrust to the bit
- **Reversing switch** – reverses the position of the carbon brushes in order to receive maximum power in both forward and reverse. This assists should a bit jam.
- **Variable speed trigger** – allows the operator to start the drill slowly in order to correctly position the bit and control the drill speed with the trigger.



# Product Overview

## HR1841F – 18mm SDS Plus Rotary Hammer with AVT



# Product Specification Sheet

## HR1841F – 18mm SDS Plus Rotary Hammer



Max. drilling capacities in concrete	18mm
Max. drilling capacities in wood	24mm
Max. drilling capacities in steel	13mm
Impact energy	1.2j
No load speed	0-2,100rpm
Impact rate	0-4,800ipm
Vibration	7.5m/s <sup>2</sup>
Noise	87dB
Continuous rating input	470W
Overall length	285mm
Net weight	2.0kg
Power supply cord	2.0m

- **Anti Vibration Technology (AVT)** – compact AVT mechanism specially designed for small rotary hammers, no additional weight is added by this technology
- **One touch sliding chuck** – quick and easy bit changes by simply pulling the collar down with one hand
- **Torque limiter** – protects the tool and the user should the bit jam. When a certain torque level is reached the motor will disengage
- **2 operation modes** – rotation only and rotation with hammering
- **Ergonomic grip** – soft grip provides comfort and control with an ergonomic design allowing maximum thrust to the bit
- **Reversing switch** – reverses the position of the carbon bushes in order to receive maximum power in both forward and reverse. This assists should a bit jam.
- **Variable speed trigger** – allows the operator to start the drill slowly in order to correctly position the bit and control the drill speed with the trigger.

# Advantages

## Performance



0-4,800 Impacts per minute  
1.4 Joules of impact energy

## Efficiency



Rotation reversing system provides maximum power in both forward and reverse

## Innovation

# AVT

ANTI VIBRATION TECHNOLOGY

Extremely low vibration  
Due to counterweight mechanism

## Safety



Torque limiter protects the operation and the tool should the bit jam

# Product Replacement

	HR1840 - NEW	HR1830 - Discontinued
		
Max. drilling capacities in concrete	18mm	18mm
Max. drilling capacities in wood	24mm	24mm
Max. drilling capacities in steel	13mm	13mm
Impact energy	1.4j	1.2j
No load speed	0-2,100rpm	0 - 1,500rpm
Impact rate	0-4,800ipm	0 - 5,000ipm
Vibration	10.0m/s <sup>2</sup>	8.0m/s <sup>2</sup>
Noise	87dB	88dB
Continuous rating input	470W	440W
Overall length	285mm	279mm
Net weight	2.0kg	1.7kg
Power supply cord	2.0m	2.0m











# Accessories

Standard Accessories		
	415486-9	Depth gauge
	158057-6	Side grip
	821706-5	Plastic carry case

Optional Accessories		
	Nemesis SDS Plus 5mm to 18mm	Refer to pages 161 to 164 Acc Cat 2015 / 16
	V-Plus SDS Plus 4mm to 18mm	Refer to pages Pages 156 to 160 Acc Cat 2015 / 16
	Standard SDS Plus 3.5mm to 18mm	Refer to pages 152 to 155 Acc Cat 2015 / 16
	194683-7	Bit grease