



Satisfy Professional's Needs

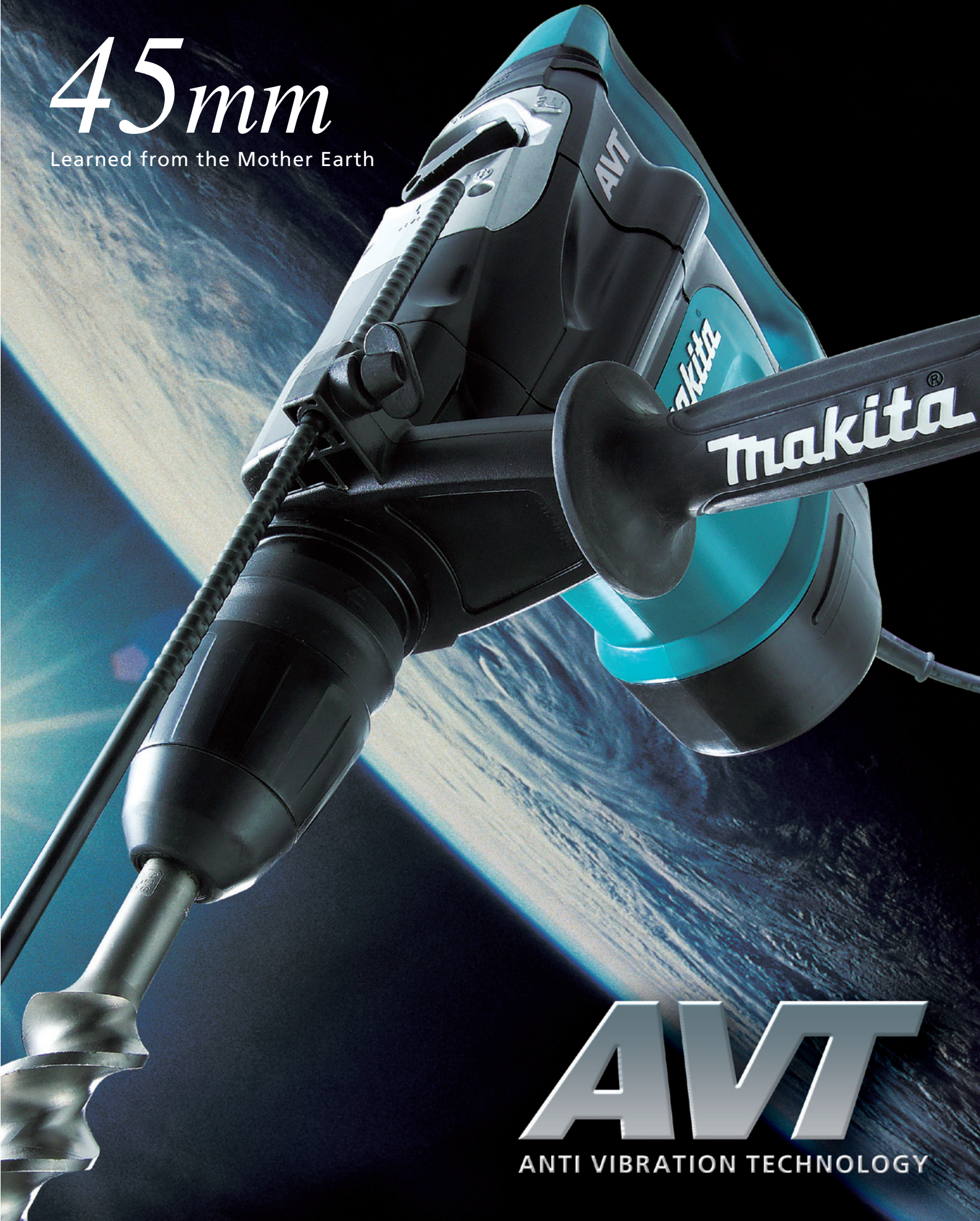
# Rotary Hammer

HR4511C/ HR4510C/ HR4501C 45mm (1-3/4")



# 45mm

Learned from the Mother Earth



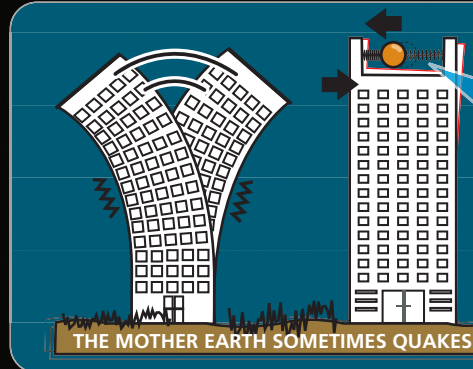
# AVT

ANTI VIBRATION TECHNOLOGY



# Learned the Mother

How to generate POW  
How to manage VIBR  
How to bring you COM



## MAKITA's "Active" Dynamic Vibration Absorber

(HR4511C and HR4510C)

Shift of air pressure in crank room and barrel room "actively" controls balancer to move opposite of piston.

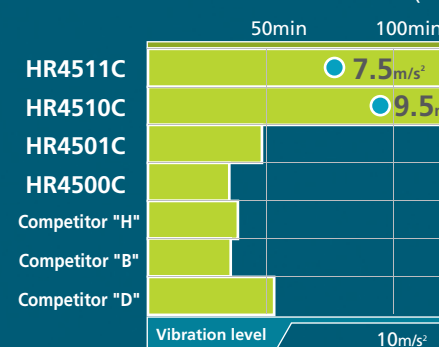


## Vibration Absorbing Grip

(HR4511C only)

Spring loaded hinged grip absorbs vibration

## See the Result of AVT



\*It is known as the tri-axial value and value at Directive o  
\*\*It means the maximum amount of vibration that an op

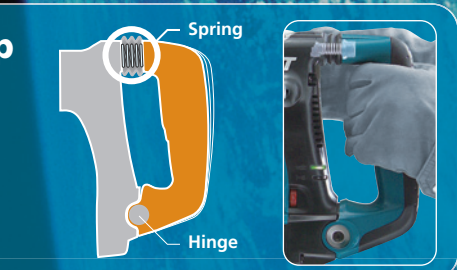
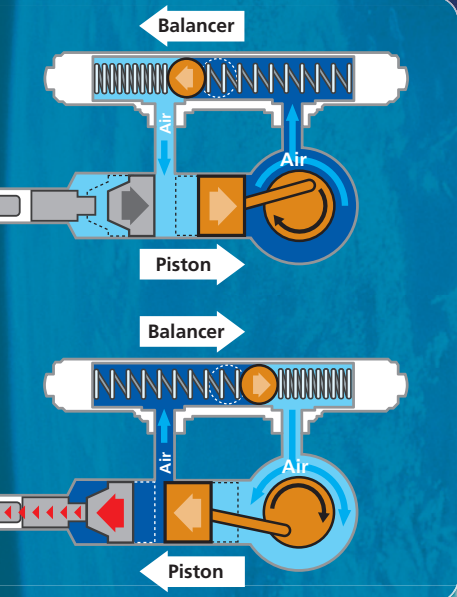
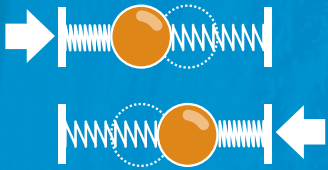
# AVT

ANTI VIBRATION TECHNOLOGY

# from er Earth

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## Principle of Dynamic Vibration Absorber



Comparison of Vibration level\* and Time to reach  
Exposure Limit of Vibration)\*\*

	150min	200min	Time to reach ELV
			213min
			133min
○ 16m/s <sup>2</sup>			47min
○ 18.0m/s <sup>2</sup>			37min
○ 17.0m/s <sup>2</sup>			42min
○ 18.0m/s <sup>2</sup>			37min
○ 15.0m/s <sup>2</sup>			53min
15m/s <sup>2</sup>		20m/s <sup>2</sup>	

\* of A(8).  
operator may be exposed to on any single day.



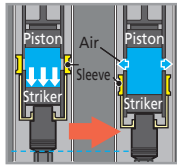
**LED lamp**  
for indication of "Green"  
:: being electrified of  
"Blinking Red"  
:: replacing of carbon brush



**Auto Cut-Out  
Carbon Brush**  
protects commutator and  
indicates time for  
maintenance.

**Electronic control features**  
Variable speed control by dial Constant speed  
control, Soft Start variable speed control

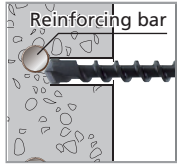
**Longer life of Carbon brushes**  
features twice as long as that of Predecessor  
model by employing large carbon brush.



**No Hammering  
while Idling**  
ensures machine's long life.



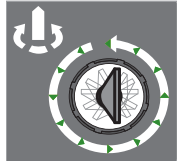
**Slide Chuck**  
:: push-in and Go  
:: slide-back and Pull



**Torque Limiter**  
when drill bit hits against  
reinforcements,  
Torque Limiter operates  
to stop.



**Rubberized Soft Grip**  
provides more control and  
comfort while minimizing  
hand fatigue and pain.



**16 Angle Settings  
of Chisel bit**



**Change Lever  
in protected position**  
for reduced possibility of  
breakage even if the machine  
is carelessly down to rest.

## HR4511C Extremely Comfortable

Easiest to manage the exposure of vibration to hands and arms.



**AVT**

Tool does not come with bit.

/// Active Dynamic Vibration Absorber

/// Vibration Absorbing Grip



## HR4510C Easy and Very Comfortable

Easier to manage the exposure of vibration to body.  
Easy operating Slide Lock-on Switch for hammering.



**AVT**

Tool does not come with bit.

/// Active Dynamic Vibration Absorber



## HR4501C Easy and Comfortable

Slide Lock-on switch leaves operators' fingers out of effort  
to keep pulling trigger for long hours when hammering.



Tool does not come with bit.





Photo : HR4511C

## Comparison of Efficiency

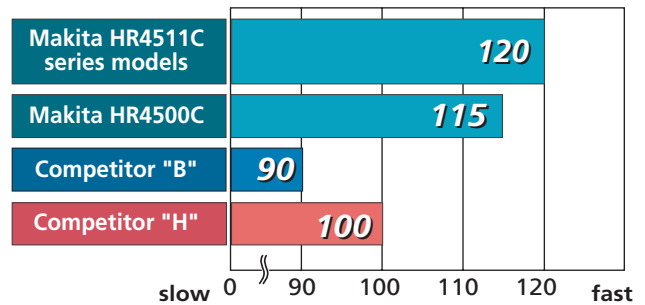
Note: 1. It may differ under some conditions.  
2. Numbers in the charts below are relative values when the capacities of Competitor "H" are indexed at 100.

### 1 Drilling

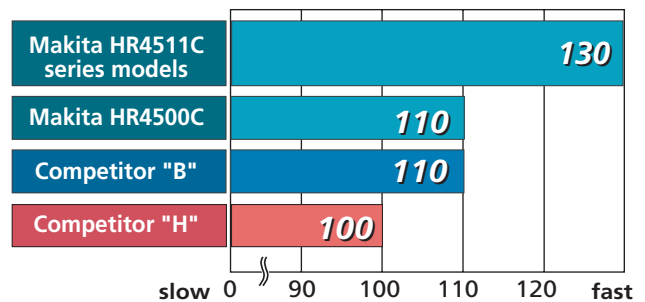
Test conditions:

Drilled in concrete with compressive strength of 40N/mm<sup>2</sup>.

Bit diameter: 25mm



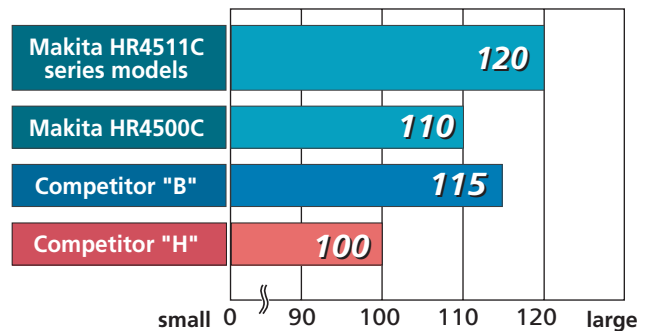
Bit diameter: 40mm



### 2 Chipping

Test conditions:

Chipped concrete with compressive strength of 40N/mm<sup>2</sup>.



Rotary Hammer	HR4511C / HR4510C / HR4501C 45mm (1-3/4")	171
Double Insulation	<b>HR4511C</b>	<b>HR4510C</b>
Variable Speed	1,350W	1,350W
Electronic Speed Control	45mm (1-3/4")	45mm (1-3/4")
Soft Start	125mm (5")	125mm (5")
Torque Limiter	1,250-2,750	1,250-2,750
SDS-Max Shank	130-280	130-280
Carrying Case	458 x 136 x 288mm	458 x 136 x 288mm
	(18" x 5-3/8" x 11-3/8")	(18" x 5-3/8" x 11-3/8")
	8.5kg (18.7lbs)	8.4kg (18.5lbs)
	5.0m (16.4ft)	5.0m (16.4ft)
		5.0m (16.4ft)
	<b>Standard Equipment</b>	
	Depth Gauge, Side Handle (D-shaped), Side Handle (Bar-shaped), Bit Grease (Tool does not come with bit.)	

Items of standard equipment and specifications may differ by country or area.

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