



#### 1-9/16" Rotary Hammers

Double Insulation	Constant Speed
Variable Speed	Soft Start
SDS-MAX Shank	Carrying Case
Torque Limiter	

HR4013C / HR4003C Adapted for SDS-MAX bits				

		HR4013C (AVT)	HR4003C
Constant Speed	Bit Type	SDS-MAX	SDS-MAX
	Maximum Capacities	Concrete (TCT): 1-9/16" (40 mm)	Concrete (TCT): 1-9/16" (40 mm)
		Concrete (Core Bit): 4-1/8" (105 mm)	Concrete (Core Bit): 4-1/8" (105 mm)
Soft Start	No Load Speed	250 - 500 RPM	250 - 500 RPM
	Blows Per Minute	1,450 - 2,900 BPM	1,450 - 2,900 BPM
	Impact Energy	11.4 J (8.4 ft. lbs)	11.4 J (8.4 ft. lbs)
	AMPS (120V)	11.0 A	11.0 A
	Overall Length	18-11/16″ (479 mm)	18-11/16" (479 mm)
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HR4013C Standard Equipment: Straight Side Handle (123138-5), D-Style Side Handle (196792-8), Cleaning Cloth (443122-7), Depth Gauge (331955-1), Plastic Carrying Case (141977-1)

HR4003C Standard Equipment: Straight Side Handle (123138-5), D-Style Side Handle (196792-8), Cleaning Cloth (443122-7), Depth Gauge (331955-1), Bit Grease (194683-7), Plastic Carrying Case (141976-3)

# When QUALITY & SERVICE COUNTS - Choose Makita

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ADVANCED

**Vibration Control** 

HR4013C Only

AVT&SOFT ANTI VIBRATION TECHNOLOGY

Extra Comfort with unrivalled low level of vibration

Photo: HR4013C (Tool does not come with bit.)

Satisfy Professional's Needs

# **Trakita**<sup>®</sup> 1-9/16" Rotary Hammers HR4013C / HR4003C

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Adapted for SDS-MAX bits



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

HR4013C	5.0m/s <sup>2</sup>	480min.
Predecessor Model	7.5m/s <sup>2</sup>	213min.
Competitor "B"	10m/s <sup>2</sup>	120min.

\*It is known as the tri-axial value and value at Directive of A(8). \*\*It means the maximum amount of vibration that an operator may be exposed to on any single day.

#### Vibration absorbing housing (HR4013C)

This is the new AVT mechanism advanced from the current "Vibration absorbing handle". The level of vibration is further reduced by completely separating the machine holding section from the motor/transmission section

#### Active dynamic vibration absorber

(HR4013C)

ensures operation with extremely low vibration. allows tool design with flat body sides for better handling.

### **Damper spring**

absorbs reaction force caused by drill bit at the moment of impact.



Adapted for SDS-MAX bits Photo: HR4013C (Tool does not come with bit.)

# **High performance**

Drilling efficiency Chipping efficiency

with 32mm diameter bit

20% higher 45% higher with bull point



### lock-on in hammering mode



#### Soft no load" function (HR4013C)

the amount of vibration to operator's hands during a day's operation.

- minimizes deflection of bit tip from aiming point when starting chipping.

Compared with our predecessor model

# Unrivalled low level of vibration



**T**) Lock-on switch for continuous chiseling applications

> **Trigger switch for** intermittent chiseling applications

Bit angle settings





- reduces vibration of tool body when idling, accordingly decreases



