

Specifications

Model		DH45ME	DH45MEY	DH52ME	DH52MEY
Capacity	Drill bit	45mm (1-3/4")		52mm (2-1/16")	
	Core bit	125mm (4-29/32")		160mm (6-1/4")	
Power Input		1,500W			
Bit Shank		SDS max			
No Load Speed	110V, 120V, 127V	120 - 270/min		110 - 260/min	
	220V, 230V, 240V	120 - 310/min		110 - 280/min	
Full Load Impact Rate	110V, 120V, 127V	1200 - 2,500/min		1,000 - 2,200/min	
	220V, 230V, 240V	1200 - 2,950/min		1,000 - 2,400/min	
Overall Length		535mm (21-1/16")		585mm (23-1/32")	
Weight (including side-handle)		9.0kg (19.8lbs.)	9.5kg (20.9lbs.)	11.0kg (24.2lbs.)	11.5kg (25.3lbs.)
Vibration Total Values (triax vector sum)*	Hammer drilling into concrete — Vibration emission value: ah,HD	13.5m/s²	8.8m/s²	14.0m/s²	9.8m/s²
	Hammer drilling into concrete — Uncertainty K	1.5m/s²			
	Equivalent chiseling value — Vibration emission value: ah,CHeq	14.2m/s²	9.2m/s²	15.5m/s²	9.7m/s²
	Equivalent chiseling value — Uncertainty K	1.5m/s²			
Standard Accessories		Side Handle, Stopper, Hammer Grease A, Carrying Case			

*The tri-axial vibration values were measured according to EN60745-2-6.

Optional Accessories*1

■ Drilling work for through-hole drilling (rotation + hammering)

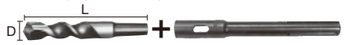
Drill Bit (SDS max shank)



D (mm)	L (mm)	Code No.
16 (5/8")	340 (13-3/8")	313448
	540 (21-1/4")	313456
19 (3/4")	340 (13-3/8")	313449
	540 (21-1/4")	313457
22 (7/8")	320 (12-5/8")	313450
	520 (20-15/32")	313458
25 (1")	320 (12-5/8")	313451
	520 (20-15/32")	313459
28 (1-1/8")	370 (14-9/16")	313452
	570 (22-7/16")	313460
32 (1-1/4")	370 (14-9/16")	313453
	570 (22-7/16")	313461
38 (1-1/2")	370 (14-9/16")	313454
	570 (22-7/16")	313462
40 (1-37/64")	370 (14-9/16")	313455
	570 (22-7/16")	313463

■ Drilling work for anchor holes (rotation + hammering)

Drill Bit (taper shank)



(1) Drill Bit (taper shank) (2) Taper Shank Adapter (SDS max shank)

	D (mm)	L (mm)	Code No.
(1)	11.0 (7/16")	100 (4")	944460
	12.3 (1/2")	110 (4-5/16")	944461
	14.3 (9/16")	110 (4-5/16")	944462
	14.5 (9/16")	110 (4-5/16")	944500
	17.5 (11/16")	120 (4-3/4")	944463

	Taper dimension	Code No.
(2)	Morse taper No. 1	313464

(3) Cotter



Code No.
944477

SDS-plus Shank Bit Adapter (SDS max shank)



Code No.
313465

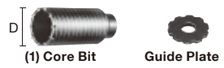
■ Hole drilling



13mm Drill Chuck (13VLD-D) + Chuck Adapter (SDS max shank)

Name	Code No.
13mm Drill Chuck (13VLD-D) with Chuck Wrench	321813
Chuck Adapter	313468

■ Boring work for large-diameter holes (rotation + hammering)



(1) Core Bit Guide Plate

(1) Core Bit D (mm)	Guide Plate	Code No.
25 (1")	—	955994
29 (1-1/8")	—	955995
32 (1-1/4")	●	955996
35 (1-3/8")	●	955998
38 (1-1/2")	●	956000
45 (1-3/4")	●	955154
54 (2-1/8")	●	955155
64 (2-1/2")	●	956002
79 (3-1/8")	●	955157
94 (3-11/16")	●	956004
105 (4-1/8")	●	955159
120 (4-3/4")	●	956006
125 (4-29/32")	●	987013
150 (6") *2	●	956728



(2) Center Pin

(1) Core Bit D (mm)	(2) Center Pin L (mm)	Code No.
32 (1-1/4")-38 (1-1/2")	147 (5-25/32")	956009
45 (1-3/4")-150 (6")	133 (5-1/4")	955165



(3) Core Bit Shank (SDS max shank)

(1) Core Bit D (mm)	(3) Core Bit Shank L (mm)	Code No.
25(1") - 35(1-3/8")	300 (11-13/16")	313466
38(1-1/2") -150 (6")	300 (11-13/16")	313467

■ Chemical anchor holes drilling work (rotation + hammering)

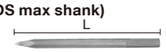


Chemical Anchor Adapter (SDS max shank)

Socket Square Size (mm)	Code No.
12.7 (1/2")	313469
19.0 (3/4")	313470

■ Demolishing work (hammering)

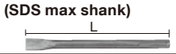
Bull Point (SDS max shank)



L (mm)	Code No.
280 (11")	313471
400 (15-3/4")	313472

■ Groove digging and edging (hammering)

Cold Chisel (SDS max shank)



L (mm)	Code No.
280 (11")	313473
400 (15-3/4")	313474

■ Cutting and stripping (cutting asphalt etc.) (hammering)

Cutter (SDS max shank)



L (mm)	W (mm)	Code No.
400 (15-3/4")	50 (2")	313475

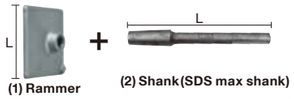
■ Scooping work (hammering)

Scoop (SDS max shank)



L (mm)	Code No.
400 (15-3/4")	313476

■ Tamping work (hammering)

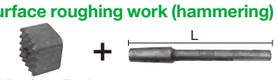


(1) Rammer (2) Shank (SDS max shank)

	L (mm)	Code No.
(1)	150 (6")	313478

	L (mm)	Code No.
(2)	220 (8-21/32")	313479

■ Surface roughing work (hammering)



(1) Bushing Tool (2) Shank (SDS max shank)

	Code No.
(1)	313477

	L (mm)	Code No.
(2)	220 (8-21/32")	313479

■ Grease



(1) (2)

	Type	Code No.
(1)	500g type	980927
(2)	30g type	981840

*1 Optional accessories may vary by country or area.
*2 Only for DH 52ME / DH 52MEY.

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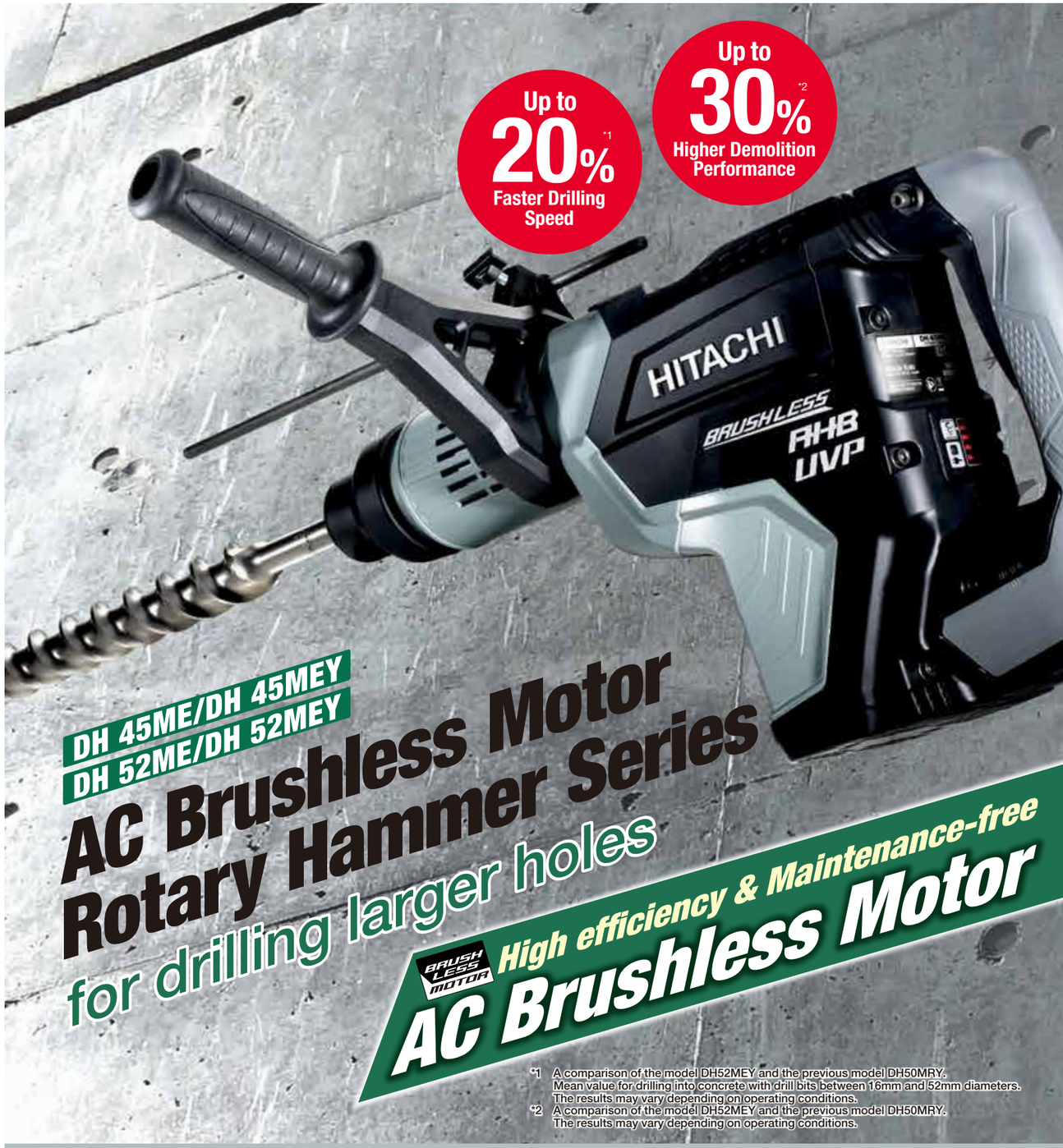
Hitachi Koki Co., Ltd.

www.hitachi-koki.com

Hitachi Rotary Hammers
DH 45ME DH 45MEY DH 52ME DH 52MEY

HITACHI
Inspire the Next

SDS-max Shank NEW



*1 A comparison of the model DH52MEY and the previous model DH50MRY.
Mean value for drilling into concrete with drill bits between 16mm and 52mm diameters.
The results may vary depending on operating conditions.
*2 A comparison of the model DH52MEY and the previous model DH50MRY.
The results may vary depending on operating conditions.



DH 45ME/DH 45MEY
DH 52ME/DH 52MEY

AC Brushless Motor Rotary Hammer Series

for drilling larger holes

The high efficiency brushless motor and the optimized hammering mechanism achieve the fastest drilling speed*1 and the highest demolition performance*1 in its class.



DH 52ME
DH 52MEY



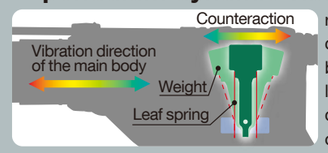
DH 45ME
DH 45MEY

UVP
USER VIBRATION PROTECTION
(Only for DH45MEY/DH52MEY)

Approx. 26%*3 Lower Vibration Value

Reduced vibration and improved operating efficiency

1 Hitachi's original, pendulum dynamic vibration absorber



reduces the vibration from concrete drilling or chiseling by moving a weight and a leaf spring in the opposite direction to the movement of the hammer.

2 Vibration-absorbing handle

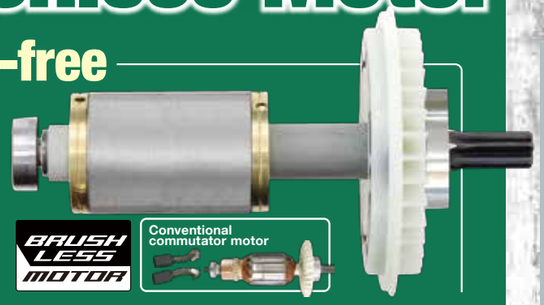
provides high vibration-absorbing effect by employing both transatory and hinge units.

AC Brushless Motor

Maintenance-free

Significantly extended product life cycle
No more troubles with armature burnout, layer short or commutator wear.

No carbon brush replacement required



Fastest drilling speed and highest demolition performance in its class even at voltage drop

The efficient brushless motor offers higher drilling performance even with an extension cord used.

Compatible with engine generators

Designed to be powered by engine generators as well, thanks to Hitachi's original compact and high efficiency inverter circuit.

High efficiency

Fastest*1 drilling speed and Highest*1 demolition performance in its class

Up to 20%*2 Faster Drilling Speed

Up to 30%*3 Higher Demolition Performance

The high efficiency brushless motor and the optimized hammering mechanism achieve the fastest drilling speed*1 and the highest demolition performance*1 in its class.

High durability

AHB
ALMINIUM HOUSING BODY

The internal double-insulation construction with a very sturdy aluminium die-cast body and a plastic internal stator holder
makes the housing more rigid, significantly enhancing durability of the motor unit.

Improved handling

3 ① Push-button, constant speed control with variable speed



Due to the built-in electronic control circuit that can adjust the impact rate according to applications, four-step impact rates can be selected by the rotation speed selector switch.

Display Lamp						
No Load Speed	DH 45ME / DH 45MEY	110V 120V 127V	120/min	170/min	220/min	270/min
		220V 230V 240V	120/min	180/min	240/min	310/min
	DH 52ME / DH 52MEY	110V 120V 127V	110/min	160/min	210/min	260/min
		220V 230V 240V	110/min	160/min	220/min	280/min
Full Load Impact Rate	DH 45ME / DH 45MEY	110V 120V 127V	1,200/min	1,600/min	2,100/min	2,500/min
		220V 230V 240V	1,200/min	1,700/min	2,300/min	2,950/min
	DH 52ME / DH 52MEY	110V 120V 127V	1,000/min	1,400/min	1,800/min	2,200/min
		220V 230V 240V	1,000/min	1,400/min	1,900/min	2,400/min

② Power Lamp
lights up when the plug is inserted into an outlet.

4 One push action for quick bit mounting



A bit can be mounted by simply inserting it into the tool holder.

5 Large change lever



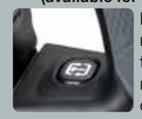
An up-sized mode change lever is located on the top of the tool body for easier handling.

6 Large trigger switch



Upsized, easy-to-grip trigger switch for more control.

7 Continuous operation function
(available for the Hammering Mode)



keeps the tools running even after the trigger switch is released, making chiseling easier.

*1 As of March 2015. Among 45/52mm class rotary hammers made by leading power tool manufacturers, surveyed by Hitachi Koki.
*2 A comparison of the model DH 52MEY and the previous model DH 50MRY. Mean value for drilling into concrete with drill bits between 16mm and 52mm diameters. The results may vary depending on operating conditions.
*3 A comparison of the model DH 52MEY and the previous model DH 50MRY. The results may vary depending on operating conditions.