



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.
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.
Morse taper No. 1	313464

(3) Cotter	Code No.
	944477

SDS-plus Shank Bit Adapter (SDS max shank)

	Code No.
	313465

Hole drilling



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

Specifications

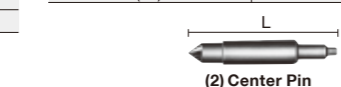
Model	DH45ME	DH45MEY	DH52ME	DH52MEY	
Capacity	Drill bit 45mm (1-3/4")		52mm (2-1/16")		
	Core bit 125mm (4-29/32")		160mm (6-1/4")		
Power Input	1,500W				
Bit Shank	SDS max				
No Load Speed	110V, 120V, 127V	120 - 270/min	110 - 260/min		
	220V, 230V, 240V	120 - 310/min	110 - 280/min		
Full Load Impact 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 emission value: ah,HD		13.5m/s ²		
Vibration Total Values (triaux vector sum)*	Hammer drilling into concrete		Uncertainty K		
	Equivalent chiseling value		Uncertainty K		
		1.5m/s ²		1.5m/s ²	
		14.2m/s ²		9.2m/s ²	
		15.5m/s ²		9.7m/s ²	
Standard Accessories		Side Handle, Stopper, Hammer Grease A, Carrying Case			

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

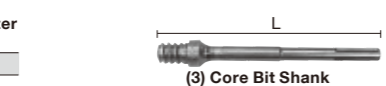
Boring work for large-diameter holes (rotation + hammering)



(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



(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



(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)



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

Demolishing work (hammering)



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

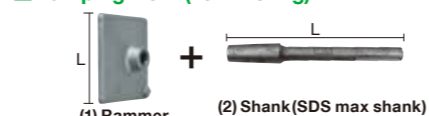
Cutting and stripping (cutting asphalt etc.) (hammering) Cutter (SDS max shank)

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

Scooping work (hammering) Scoop (SDS max shank)

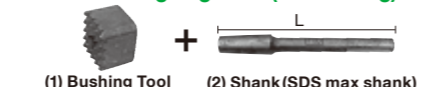
L (mm)	Code No.
400 (15-3/4")	313476

Tamping work (hammering)



(1) L (mm)	Code No.
150 (6")	313478
(2) L (mm)	Code No.
220 (8-21/32")	313479

Surface roughing work (hammering)



(1) Code No.	(2) L (mm)	Code No.
313477	220 (8-21/32")	313479

Grease

Type	Code No.
500g type	980927
30g type	981840

*1 Optional accessories may vary by country or area.

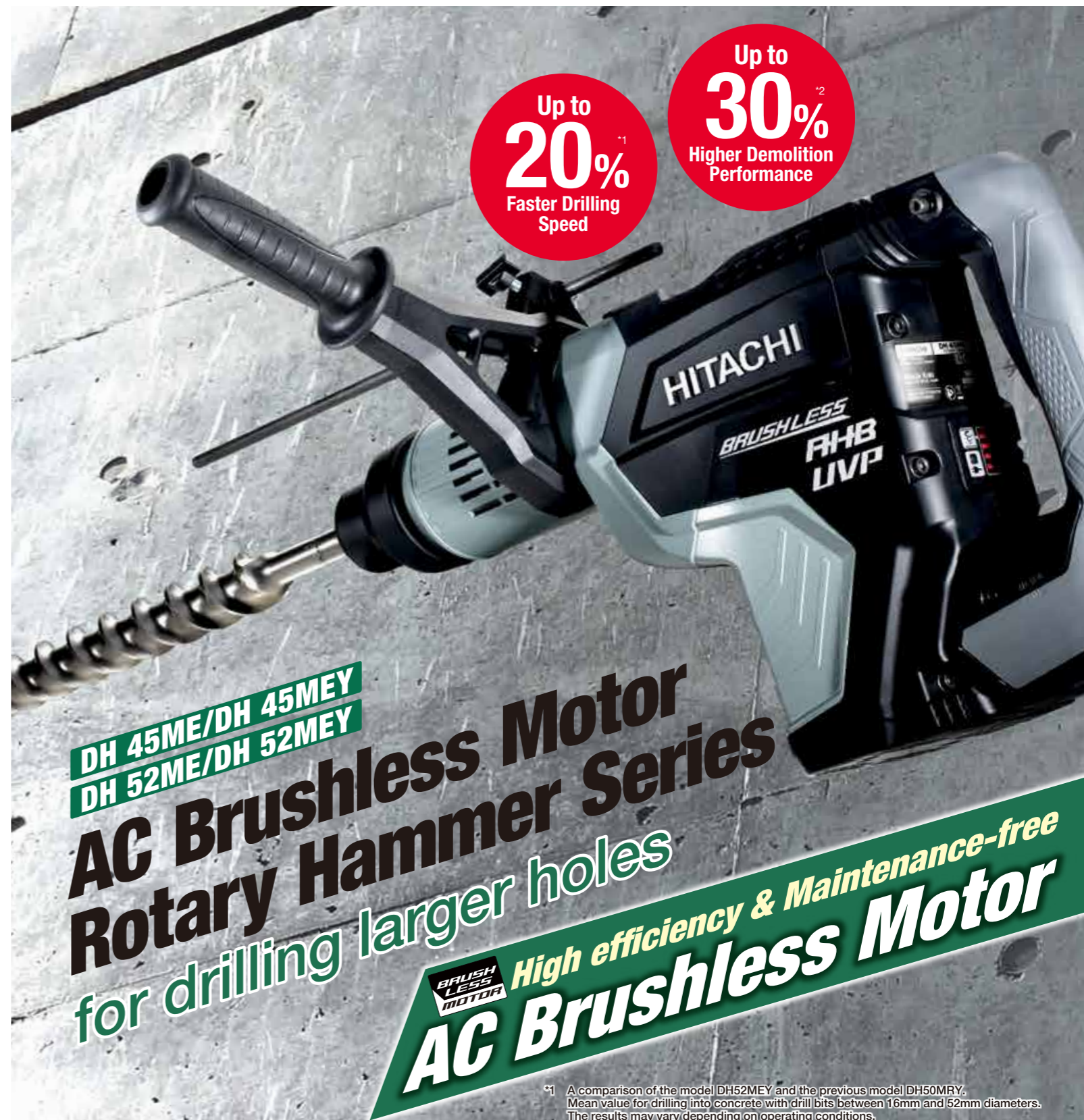
*2 Only for DH 52ME / DH 52MEY.

Hitachi Rotary Hammers

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



HITACHI
Inspire the Next



Up to **20%**
Faster Drilling Speed

Up to **30%**
Higher Demolition Performance

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

AC Brushless Motor Rotary Hammer Series
for drilling larger holes

AC Brushless Motor
High efficiency & Maintenance-free

*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.

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AC Brushless Motor Rotary Hammer Series

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

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

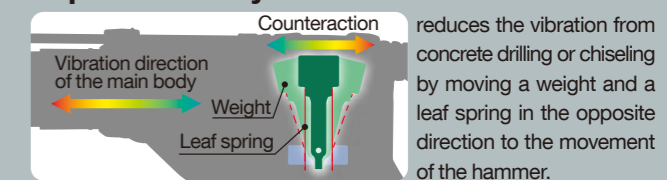
DH 45ME
DH 45MEY

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



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

High durability

AHB
ALUMINIUM 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.



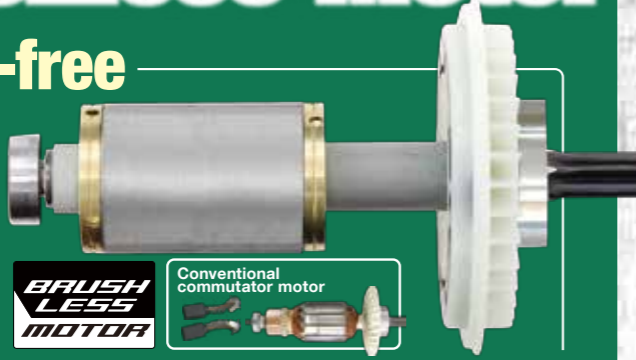
Improved handling

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

Up to **20%**^{*2}
Faster Drilling Speed

and Highest*1 demolition performance in its class

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.

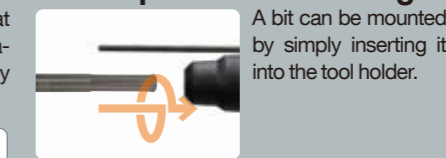
3 **1** Push-button, constant speed control with variable speed

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.

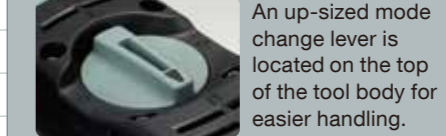
		Display Lamp				
No Load Speed	DH 45ME	110V	120/min	170/min	220/min	270/min
	DH 45MEY	120V	120/min	180/min	240/min	310/min
	DH 52ME	110V	110/min	160/min	210/min	260/min
	DH 52MEY	120V	110/min	160/min	220/min	280/min
Full Load Impact Rate	DH 45ME	110V	1,200/min	1,600/min	2,100/min	2,500/min
	DH 45MEY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

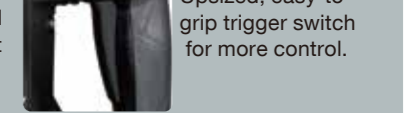
4 One push action for quick bit mounting



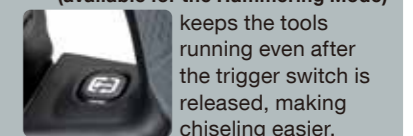
5 Large change lever



6 Large trigger switch



7 Continuous operation function (available for the Hammering Mode)



*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 50MR. 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 50MR. The results may vary depending on operating conditions.